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# Industry Wage Survey: Fabricated Structural Metal, November 1979



U.S. Department of Labor  
Bureau of Labor Statistics  
May 1981

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U.S. Department of Labor  
Raymond J. Donovan, Secretary

Bureau of Labor Statistics  
Janet L. Norwood, Commissioner

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# Preface

This bulletin summarizes the results of a Bureau of Labor Statistics survey of wages and supplementary benefits in the fabricated structural metal industry in November 1979. A similar survey of this industry was conducted in November 1974. Separate releases on the 1979 survey were issued in the summer of 1980 for Birmingham, Ala.; Chicago, Ill.; Houston, Tex.; New York-Northeastern New Jersey; and the State of South Carolina. Copies of these releases are available from the Bureau of Labor Statistics, Washington, D.C., or any of its regional offices.

The study was conducted in the Bureau's Office of Wages and Industrial Relations. Mark S. Sieling of the Division of Occupational Wage Structures analyzed the

survey data and prepared this bulletin. The Bureau's field representatives obtained the data early in 1980 through personal visits to 260 establishments selected to represent the 790 establishments within scope of this nationwide survey. The fieldwork was directed by the Bureau's Assistant Regional Commissioners for Operations.

Other reports available from the Bureau's program of industry wage studies, as well as the addresses of the Bureau's regional offices are listed at the end of the bulletin.

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# Fabricated Structural Metal, November 1979

## Earnings and benefits

Straight-time earnings of production and related workers in the fabricated structural metal industry averaged \$6.35 an hour in November 1979 (table 1).<sup>1</sup> All but one-eighth of the 51,936 workers covered by the survey earned between \$4 and \$9 an hour; the middle 50 percent of the workers earned between \$5.12 and \$7.48 (table 2).

The \$6.35 average represents an increase of 40 percent over the \$4.55 recorded in a similar survey conducted in 1974.<sup>2</sup> Among regions, average earnings increased from 56–58 percent in the Southwest and Mountain States to 31 percent in New England. By comparison, the BLS Hourly Earnings Index for manufacturing rose 49 percent over the same period.

In November 1979, average hourly earnings of structural metal workers were highest in the Pacific States (\$8.78) and lowest in the Southeast (\$5.15). Workers in the Southwest, the region of greatest industry employment, averaged \$5.78.

With few exceptions, average earnings were higher in metropolitan areas than in nonmetropolitan areas and higher in union than nonunion plants. Average earnings generally were highest for workers in plants employing 250 workers or more and lowest for those in establishments employing 100 to 249. The smallest size class studied—20–99 employees—generally reported averages that fell somewhere in between. In most instances, the average pay advantage associated with unionization, metropolitan areas, and large establishments amounted to 15 percent or less. (See tables 16–18 for occupational averages by these characteristics.) Workers in establishments where welding was the primary fabrication process typically averaged more than workers in plants where only welding was used, or where bolting was the primary process.

Nationwide, averages among the 30 occupations studied separately spanned a broad range—from \$4.66 for janitors to \$7.79 for maintenance carpenters (table 3).<sup>3</sup>

<sup>1</sup> Earnings data in this bulletin exclude premium pay for overtime and for work on weekends, holidays, and late shifts. See appendix A for scope and method of survey.

<sup>2</sup> For an account of the earlier study, see *Industry Wage Survey: Fabricated Structural Steel, November 1974*, Bulletin 1915 (Bureau of Labor Statistics, 1977).

Hand welders and structural fitters, the two largest occupational categories studied, averaged \$6.82 and \$7.08 an hour, respectively. Together, the 30 occupations accounted for just over two-thirds of the production work force. (See tables 5–15 for distributions of earnings within selected occupations.)

Virtually all production workers received paid holidays, paid vacations, and at least part of the cost of life insurance, hospitalization, basic medical, surgical, and major medical insurance (tables 23–25). Workers typically received 8 to 11 paid holidays annually, and at least 1 to 4 weeks of vacation pay, depending on years of service. About three-fourths of the workers also were covered by retirement pension plans.

Other benefits covering a majority of the production workers included funeral leave and jury-duty pay (table 26). Provisions for periodic cost-of-living pay adjustments, generally based on the BLS Consumer Price Index, and dental insurance applied to nearly one-fourth of the workers.

## Industry characteristics

Establishments within the scope of this fabricated structural metal survey employed about 52,000 production and related workers in November 1979—a decrease of 20 percent from 1974. Slightly over one-fifth of the 1979 work force were in the Southwest, while about one-sixth were in each of three other regions—the Middle Atlantic, Southeast, and Great Lakes. Slightly over four-fifths of the workers were in metropolitan areas, with the proportion ranging from two-thirds in the Southwest to all workers in the Middle Atlantic, Mountain, and Pacific regions.

About 12 percent of the industry's production workers were concentrated in five localities studied separately. Employment in these industry centers ranged from 1,740 in the State of South Carolina and 1,508 in Houston to about 1,000 in Birmingham, Chicago, and the New York-Northeastern New Jersey Consolidated Area. (See table A-1.)

Establishments in the fabricated structural metal industry cut, shape, and join metal parts for use in buildings, bridges, ships, and other structures. Of the joining

<sup>3</sup> See appendix B for job descriptions.

processes, welding was the primary technique used by plants employing seven-eighths of the November 1979 work force. Most of the remaining establishments used bolting as the primary joining process.

Employees were fairly evenly divided among three establishment size categories—20 to 99 workers, 100 to 249 workers, and 250 workers or more. There was some variation among the regions, however. For example, slightly more than one-half of the workers in the Border States were in the largest size category while in the Pacific States, the same proportion was employed in the smallest size plants.

Nearly three-fifths of the workers were employed in establishments having collective bargaining agreements covering a majority of the production workers. The major union in the industry is the International Association of Bridge, Structural, and Ornamental Iron Workers (AFL-CIO). Among regions, the proportion of workers in union plants ranged from over nine-tenths

in the Great Lakes and Pacific States to one-fourth in the Southeast and nearly one-fifth in the Southwest.

Virtually all production workers were paid on a time-rate basis, typically under formal plans providing for either a single rate or range of rates for specific occupations. Only in the Middle Atlantic region and the State of South Carolina did incentive pay plans apply to more than one-tenth of the workers (table 19).

Just over three-fourths of the employees were in establishments with 40-hour weekly schedules (table 20). Most of the remaining workers were on longer schedules of at least 45 hours per week.

Pay provisions for second-shift work were reported by firms employing slightly over three-fourths of the production workers; for third shifts, the proportion was slightly under one-half (table 21). About 15 percent of the production workers, however, were actually employed on late shifts at the time of the survey (table 22).

**Table 1. Average hourly earnings by selected characteristics**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in fabricated structural metal establishments, United States and selected regions, November 1979)

Item	United States		New England		Middle Atlantic		Border States		Southeast		Southwest		Great Lakes		Middle West		Mountain		Pacific	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
All production workers .....	51,936	\$6.35	2,092	\$6.24	8,053	\$7.56	4,825	\$5.39	9,088	\$5.15	11,174	\$5.78	8,280	\$6.98	3,407	\$6.41	2,697	\$6.80	2,320	\$8.78
Size of community:																				
Metropolitan areas .....	43,350	6.44	1,646	6.56	8,053	7.56	3,526	5.29	8,239	5.22	7,537	5.58	6,588	7.25	2,744	6.28	2,697	6.80	2,320	8.78
Nonmetropolitan areas .....	8,586	5.88	446	5.09	-	-	1,299	5.64	-	-	3,637	6.19	1,692	5.91	-	-	-	-	-	-
Size of establishment:																				
20-99 workers .....	17,823	6.23	857	5.69	2,621	7.34	1,609	5.27	4,026	4.99	3,592	5.83	2,071	7.17	906	6.30	1,035	6.99	1,106	8.69
100-249 workers .....	15,014	5.97	665	6.46	2,401	7.14	590	5.52	3,675	5.00	2,408	4.90	2,670	6.43	1,178	6.49	1,073	6.48	-	-
250 workers or more .....	18,681	6.77	-	-	3,014	8.10	2,626	5.43	1,332	6.06	5,166	6.15	3,442	7.29	1,167	6.57	-	-	815	9.00
Labor-management contract coverage:																				
Establishments with:																				
Majority of workers covered .....	29,226	6.87	1,523	6.33	6,974	7.75	2,816	5.43	2,207	5.43	2,033	5.44	7,704	7.01	1,976	6.67	1,771	6.87	2,222	8.81
None or minority of workers covered .....	22,710	5.67	569	6.01	1,079	6.38	2,009	5.32	6,881	5.06	9,141	5.86	576	6.61	1,431	6.04	926	6.68	-	-
Principal production process:																				
Welding only .....	12,405	6.13	-	-	1,270	6.43	-	-	2,927	5.21	4,690	6.01	820	7.07	1,081	6.21	741	7.53	-	-
Mostly welding .....	33,572	6.44	1,762	6.27	5,211	7.83	4,417	5.38	3,678	5.34	6,484	5.61	6,057	6.86	2,326	6.50	1,956	6.53	1,681	8.91
Mostly bolting .....	3,954	6.03	-	-	1,287	7.76	-	-	2,073	4.75	-	-	314	7.32	-	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

**Table 2. Earnings distribution: All production workers**

(Percent distribution of production workers in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New Eng-land	Middle At-lantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	51,936	2,092	8,053	4,825	9,088	11,174	8,280	3,407	2,697	2,320	1,072	951	1,508	951	1,740
Average hourly earnings <sup>1</sup> .....	\$6.35	\$6.24	\$7.56	\$5.39	\$5.15	\$5.78	\$6.98	\$6.41	\$6.80	\$8.78	\$5.66	\$7.04	\$5.91	\$8.59	\$5.12
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$3.50 .....	2.7	.8	.1	2.0	6.7	6.1	( <sup>2</sup> )	-	.4	-	1.8	.1	.8	.1	<sup>3</sup> 15.8
\$3.50 and under \$3.60 .....	1.1	1.2	.1	.8	2.7	2.0	( <sup>2</sup> )	.1	.1	-	3.4	.4	1.3	-	4.0
\$3.60 and under \$3.70 .....	.7	-	( <sup>2</sup> )	.2	2.0	1.4	-	-	-	-	2.2	-	.2	-	3.0
\$3.70 and under \$3.80 .....	1.2	.5	-	.4	3.1	2.0	.1	1.6	-	-	.6	-	1.8	-	2.2
\$3.80 and under \$3.90 .....	.5	( <sup>2</sup> )	( <sup>2</sup> )	1.0	1.8	.4	-	-	.1	-	.9	-	.4	-	2.9
\$3.90 and under \$4.00 .....	.7	.1	-	1.3	1.9	1.0	.1	-	.5	-	.7	.8	.5	-	2.9
\$4.00 and under \$4.10 .....	1.6	.8	.4	1.3	3.7	2.9	.3	.8	1.0	-	2.1	1.7	2.5	-	4.9
\$4.10 and under \$4.20 .....	1.4	4.3	.2	4.3	1.7	1.2	1.1	-	.2	-	.9	-	.1	-	1.9
\$4.20 and under \$4.30 .....	1.7	.5	.7	2.4	3.8	2.7	.6	.1	.2	-	2.4	.3	2.9	.1	5.7
\$4.30 and under \$4.40 .....	1.3	.7	.3	3.9	1.9	1.5	.8	1.4	-	-	.3	-	1.7	-	1.1
\$4.40 and under \$4.50 .....	1.1	.6	.6	3.0	2.5	.6	.5	.6	.4	-	.8	.2	1.5	.3	1.3
\$4.50 and under \$4.60 .....	2.2	.8	.4	5.9	3.7	3.0	.7	1.8	.5	.1	4.9	.7	4.0	.4	3.8
\$4.60 and under \$4.70 .....	1.3	( <sup>2</sup> )	.1	4.4	2.8	1.0	.6	.9	.6	-	.6	.8	2.7	.2	1.3
\$4.70 and under \$4.80 .....	2.3	4.0	.4	1.6	3.7	4.5	1.6	1.0	.7	.1	2.4	.7	3.6	.1	3.4
\$4.80 and under \$4.90 .....	1.1	.8	.5	2.1	2.2	1.5	.4	1.1	.1	-	1.3	1.2	.3	-	2.7
\$4.90 and under \$5.00 .....	1.5	1.1	.2	2.7	3.4	1.6	1.1	.6	.1	-	2.3	-	1.3	.2	.7
\$5.00 and under \$5.20 .....	4.7	2.9	1.6	7.0	6.7	9.0	1.6	3.5	2.3	( <sup>2</sup> )	4.0	1.6	5.1	.4	6.0
\$5.20 and under \$5.40 .....	4.1	5.0	2.4	8.1	7.1	4.0	1.8	3.1	2.9	.1	8.5	1.9	5.3	.4	5.2
\$5.40 and under \$5.60 .....	4.3	5.8	1.5	8.8	6.1	5.1	2.0	6.3	1.5	( <sup>2</sup> )	3.0	2.1	9.1	.2	7.1
\$5.60 and under \$5.80 .....	3.9	3.4	4.7	3.9	5.5	2.7	1.8	3.3	11.9	.8	9.3	7.0	4.8	3.9	2.8
\$5.80 and under \$6.00 .....	3.9	7.6	5.1	4.7	3.9	2.5	2.0	9.5	3.1	( <sup>2</sup> )	3.4	2.0	1.4	.4	.9
\$6.00 and under \$6.20 .....	4.7	4.2	3.9	9.9	4.3	4.8	3.0	7.7	3.8	.5	4.2	2.8	6.0	1.5	1.8
\$6.20 and under \$6.40 .....	3.7	5.8	1.2	1.8	4.1	3.4	4.5	7.3	8.3	-	8.9	3.7	4.1	.1	1.7
\$6.40 and under \$6.60 .....	3.8	2.8	4.0	3.6	3.2	3.6	5.0	6.6	2.6	.7	8.2	1.6	6.2	2.8	1.2
\$6.60 and under \$6.80 .....	4.1	2.1	4.5	1.0	2.2	3.2	8.7	4.9	7.2	2.4	2.8	5.5	2.7	1.9	1.0
\$6.80 and under \$7.00 .....	4.9	7.0	5.4	7.7	1.8	3.8	7.3	5.7	4.9	3.5	11.1	8.0	1.9	2.8	.3
\$7.00 and under \$7.20 .....	4.4	14.7	6.7	2.1	1.7	2.9	6.6	5.2	3.9	1.0	7.3	8.0	10.4	6.0	.2
\$7.20 and under \$7.40 .....	3.6	9.7	6.1	.9	.4	2.0	5.1	9.1	4.0	1.4	.7	5.5	2.7	7.0	.5
\$7.40 and under \$7.60 .....	5.9	2.0	8.8	( <sup>2</sup> )	1.9	5.2	11.7	4.6	13.2	2.5	.1	14.0	7.2	4.8	1.0
\$7.60 and under \$7.80 .....	3.5	7.6	5.0	( <sup>2</sup> )	.2	.9	9.3	6.8	4.5	.9	.4	5.7	2.0	1.4	.6
\$7.80 and under \$8.00 .....	2.8	.4	5.1	2.1	.4	.3	5.9	1.6	10.7	2.6	-	3.3	1.1	.9	.5
\$8.00 and under \$8.20 .....	3.1	1.1	2.8	.5	.4	2.5	5.7	1.6	4.7	16.2	-	4.5	3.1	7.4	1.1
\$8.20 and under \$8.40 .....	3.1	.3	4.2	.1	.2	7.6	2.7	.8	.3	6.2	-	2.2	1.1	18.9	1.0
\$8.40 and under \$8.60 .....	1.3	.6	1.9	-	.3	.1	4.0	.8	.6	4.6	-	3.2	.1	4.7	1.0
\$8.60 and under \$8.80 .....	1.0	-	1.7	( <sup>2</sup> )	.3	.2	.9	.2	.5	10.5	-	2.1	.2	2.6	1.7

See footnotes at end of table.

**Table 2. Earnings distribution: All production workers—Continued**

(Percent distribution of production workers in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$8.80 and under \$9.00 .....	0.8	0.2	2.5	0.1	0.2	( <sup>2</sup> )	0.3	0.5	0.2	5.3	-	0.5	0.2	4.7	1.3
\$9.00 and under \$9.20 .....	1.1	( <sup>2</sup> )	2.0	.1	.2	2.0	.3	.1	.3	6.3	-	2.3	.3	3.5	.8
\$9.20 and under \$9.40 .....	.8	.2	2.3	-	.1	.9	.5	-	-	2.2	-	1.9	-	.3	.7
\$9.40 and under \$9.60 .....	.7	( <sup>2</sup> )	.6	-	.2	-	.3	-	2.9	8.1	-	2.0	-	.7	1.0
\$9.60 and under \$9.80 .....	.8	.1	1.6	-	.1	.1	.2	-	-	10.9	-	.5	-	1.3	.2
\$9.80 and under \$10.00 .....	.3	( <sup>2</sup> )	.8	-	.1	-	.1	.2	-	2.0	-	.2	-	2.0	.7
\$10.00 and under \$10.20 .....	.3	-	.5	-	.1	-	( <sup>2</sup> )	-	.7	2.8	0.4	.1	-	.2	.5
\$10.20 and under \$10.40 .....	.1	( <sup>2</sup> )	.3	-	.1	-	-	-	-	.2	-	-	-	.2	.3
\$10.40 and under \$10.60 .....	.1	-	.1	-	.1	-	.1	-	-	1.6	-	.3	-	.2	.3
\$10.60 and under \$10.80 .....	.2	-	.5	-	( <sup>2</sup> )	-	( <sup>2</sup> )	.1	-	1.6	-	-	-	-	.1
\$10.80 and under \$11.00 .....	.1	-	.1	-	-	-	.1	.3	-	1.4	-	-	-	-	-
\$11.00 and over .....	1.6	-	8.2	-	.2	-	.5	.4	( <sup>2</sup> )	3.4	-	.5	-	<sup>4</sup> 17.0	.9

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Less than 0.5 percent.

<sup>3</sup> Workers were distributed as follows: 4.8 percent at \$3 to \$3.10; 1.5 percent at \$3.10 to \$3.20; 6.1 percent at \$3.20 to \$3.30; 2.2 percent at \$3.30 to \$3.40; and 1.2 percent at \$3.40 to \$3.50.

<sup>4</sup> Workers were distributed as follows: 0.2 percent at \$11 to \$11.50; 0.8 percent at \$11.50 to \$11.90; 6.7 percent at \$11.90 to \$12.30; and 9.3 percent at \$12.30 and over.

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

**Table 3. Occupational averages: All establishments**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, United States and selected regions, November 1979)

Occupation	United States		New England		Middle Atlantic		Border States		Southeast		Southwest		Great Lakes		Middle West		Mountain		Pacific	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
<b>Maintenance occupations</b>																				
Carpenters, maintenance .....	26	\$7.79	-	-	13	\$7.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance .....	395	7.45	10	\$7.21	79	7.69	60	\$6.79	46	\$6.77	91	\$7.44	57	\$8.35	28	\$7.32	18	\$7.22	6	\$9.15
Machinists, maintenance .....	325	7.66	17	6.85	86	8.23	20	6.81	55	6.35	-	-	67	8.17	20	7.63	12	7.55	-	-
<b>Processing occupations</b>																				
Fitters, structural .....	5,610	7.08	251	6.47	928	7.80	269	6.17	964	6.14	1,618	6.94	663	7.38	406	7.11	269	7.56	242	9.23
Flame-cutting-machine operators .....	1,182	6.46	37	6.50	232	7.61	99	6.00	258	5.16	228	5.76	160	7.15	85	6.69	29	6.65	54	9.03
Friction-sawing machine operators .....	544	5.82	19	6.53	52	6.75	70	5.62	83	4.94	173	5.07	63	6.73	31	6.75	37	6.63	16	8.08
Grinders-chippers .....	734	4.93	-	-	70	7.75	-	-	203	3.79	323	4.43	-	-	-	-	-	-	-	-
Helpers, general mechanic .....	2,446	5.33	86	4.83	773	6.12	268	4.30	388	4.01	289	4.87	292	5.88	219	5.66	-	-	-	-
Helpers, power-brake .....	125	5.49	-	-	21	7.31	25	4.92	10	4.47	29	3.95	20	6.86	11	5.63	-	-	-	-
Helpers, power-shear .....	299	4.99	-	-	18	8.20	23	5.65	100	4.29	95	4.09	25	6.95	21	5.85	-	-	-	-
Helpers, punch-press .....	177	5.58	-	-	16	7.79	-	-	46	4.81	26	4.12	47	6.17	8	5.79	-	-	-	-
Lay-out men, structural steel .....	2,032	6.96	160	7.13	305	7.88	216	6.25	326	5.68	347	6.02	205	7.55	101	7.07	171	7.27	201	8.96
Mechanics, general (production) .....	1,981	7.15	91	5.44	223	7.69	62	5.75	226	5.73	174	7.16	640	7.26	177	6.82	-	-	-	-
Milling-machine operators .....	155	7.00	-	-	47	7.83	22	6.07	9	5.31	44	6.39	-	-	7	6.86	-	-	-	-
Painters, rough, spray .....	1,451	6.11	59	5.85	176	7.03	109	5.45	320	4.58	269	6.17	293	6.99	106	5.93	49	6.79	70	8.02
Planer operators, edge or rotary .....	57	6.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	405	6.51	23	6.33	45	8.17	37	6.03	61	5.82	122	5.43	66	7.63	16	6.98	20	7.00	15	8.39
Power-shear operators .....	1,009	6.19	22	5.90	168	7.25	69	5.47	211	5.23	226	5.26	154	7.44	90	6.45	35	6.70	-	-
Punch-press operators .....	1,116	6.12	29	6.31	150	7.28	70	4.94	235	5.20	230	5.61	252	6.67	46	6.18	53	5.96	51	8.15
Class A .....	643	6.51	-	-	107	7.36	-	-	151	5.36	144	5.92	136	7.19	21	6.74	24	6.91	34	8.46
Class B .....	473	5.58	-	-	43	7.07	60	4.81	84	4.90	86	5.09	116	6.06	25	5.71	-	-	17	7.52
Template makers .....	313	7.01	9	6.38	78	7.93	18	6.52	70	5.80	52	5.87	53	7.97	19	7.29	-	-	13	9.39
Welders, hand .....	5,825	6.82	321	6.54	767	8.21	551	5.43	505	5.86	1,817	6.89	1,160	7.01	414	6.53	235	6.60	55	8.14
Class A .....	3,744	7.34	139	6.76	655	8.47	142	6.59	308	6.28	1,373	7.38	843	7.13	149	6.69	91	6.99	44	8.31
Class B .....	2,081	5.87	182	6.38	112	6.70	409	5.02	197	5.22	444	5.39	317	6.70	265	6.44	144	6.36	11	7.50
Welders, machine .....	2,800	6.49	125	6.12	486	6.46	323	5.31	536	5.23	403	5.86	-	-	113	6.74	170	7.34	422	8.96
Arc or gas .....	2,320	6.45	123	6.10	363	6.38	285	5.28	531	5.23	254	6.68	-	-	107	6.79	168	7.34	270	8.89
Resistance .....	480	6.65	-	-	123	6.68	38	5.54	-	-	-	-	-	-	-	-	-	-	152	9.08
Welders, tack .....	747	5.39	27	5.26	79	8.17	60	4.93	242	4.21	-	-	51	6.49	-	-	-	-	-	-
<b>Inspection and testing</b>																				
Inspectors .....	798	6.86	35	6.43	159	7.37	109	6.12	141	6.49	165	6.56	77	7.19	69	7.15	-	-	22	9.57
Class A .....	504	7.30	15	6.94	125	7.86	-	-	83	6.98	106	7.01	52	7.27	46	7.11	9	7.49	-	-
Class B .....	186	6.52	15	6.39	22	5.69	25	5.61	31	6.52	39	6.07	15	6.77	17	7.35	-	-	-	-
Class C .....	108	5.44	-	-	-	-	28	5.23	27	4.96	-	-	10	7.43	6	6.96	-	-	-	-
<b>Recording and control</b>																				
Stock clerks .....	298	5.80	17	5.35	58	6.27	44	5.51	50	5.31	73	5.62	32	6.29	9	6.15	12	6.08	-	-
<b>Material movement</b>																				
Crane operators, electric bridge .....	1,509	6.27	52	6.68	301	7.45	233	5.59	228	4.90	201	5.39	304	6.79	120	6.74	42	6.40	-	-
Under 20 tons .....	762	5.93	40	6.60	71	7.75	105	5.39	160	4.50	94	4.95	224	6.84	39	6.30	26	6.09	-	-
20 tons and over .....	403	6.52	-	-	100	7.71	56	5.22	28	5.69	93	5.73	50	6.58	31	6.45	-	-	-	-
Combination of sizes .....	344	6.72	-	-	130	7.09	-	-	-	-	-	-	30	6.77	-	-	-	-	-	-
Crane operators, mobile .....	412	6.41	8	6.47	37	7.22	19	5.74	104	4.85	175	7.10	22	6.12	14	6.32	26	7.30	7	7.51

See footnotes at end of table.

**Table 3. Occupational averages: All establishments—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, United States and selected regions, November 1979)

Occupation	United States		New England		Middle Atlantic		Border States		Southeast		Southwest		Great Lakes		Middle West		Mountain		Pacific	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Hook tenders .....	634	\$5.84	-	-	50	\$6.84	114	\$5.14	122	\$4.73	162	\$5.88	87	\$6.59	30	\$6.27	-	-	-	-
Truckdrivers .....	1,361	6.22	51	\$6.24	180	7.75	162	5.31	252	4.86	344	5.52	174	7.51	81	7.32	78	\$6.61	39	\$9.12
Light (under 1.5 tons) .....	77	5.41	-	-	-	-	13	5.20	14	4.96	32	4.73	-	-	7	8.11	-	-	-	-
Medium (1.5 to 4 tons) .....	214	6.29	-	-	21	6.90	-	-	22	4.42	63	5.38	32	7.82	-	-	-	-	13	8.85
Trailer type .....	704	6.30	25	6.93	89	7.38	84	5.43	178	5.01	158	5.97	80	7.75	47	7.67	24	6.75	19	9.07
Heavy .....	104	5.98	11	5.77	-	-	-	-	24	4.19	-	-	-	-	22	6.59	-	-	-	-
Combination of sizes .....	262	6.28	-	-	-	-	-	-	-	-	82	4.98	53	7.00	-	-	-	-	-	-
Power truck operators .....	309	6.54	-	-	55	7.33	-	-	44	5.11	43	6.13	114	6.77	-	-	20	6.10	15	8.31
Forklift operators .....	279	6.42	-	-	43	7.08	-	-	41	5.11	32	5.73	114	6.77	-	-	20	6.10	-	-
Power truck operators, not forklift .....	30	7.60	-	-	12	8.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custodial																				
Janitors .....	417	4.66	-	-	59	5.33	71	4.25	102	4.10	81	4.05	55	6.19	32	4.77	12	5.01	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.



**Table 4. Occupational averages: Selected areas**(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, selected areas, November 1979)

Occupation	Birmingham		Chicago		Houston		New York		South Carolina	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
<b>Maintenance occupations</b>										
Electricians, maintenance .....	-	-	-	-	-	-	-	-	12	\$6.37
<b>Processing occupations</b>										
Fitters, structural .....	85	\$6.27	76	\$7.63	208	\$7.00	29	\$8.36	208	6.36
Flame-cutting-machine operators .....	29	5.43	23	7.33	27	6.10	21	7.69	38	4.61
Friction-sawing machine operators .....	8	5.74	9	6.12	-	-	-	-	-	-
Grinders-chippers .....	-	-	-	-	-	-	-	-	11	4.28
Helpers, general mechanic .....	-	-	23	5.53	-	-	129	6.55	-	-
Helpers, power-shear .....	-	-	-	-	-	-	-	-	30	3.83
Helpers, punch-press .....	-	-	-	-	-	-	-	-	10	4.11
Lay-out men, structural steel .....	20	6.65	48	8.44	18	6.86	61	8.83	63	5.45
Mechanics, general (production) .....	63	6.51	43	7.03	-	-	160	8.38	-	-
Painters, rough, spray .....	23	5.38	21	6.79	17	6.20	19	7.77	62	4.24
Power-brake operators .....	-	-	-	-	-	-	-	-	12	7.71
Power-shear operators .....	6	6.14	-	-	-	-	6	7.19	43	6.09
Punch-press operators .....	17	5.42	16	6.76	33	6.62	14	7.13	26	4.52
Class A .....	10	5.72	12	7.19	16	7.68	11	7.55	21	4.60
Class B .....	7	4.99	-	-	17	5.62	-	-	-	-
Template makers .....	-	-	10	8.42	-	-	-	-	-	-
Welders, hand .....	-	-	197	7.06	208	6.37	24	7.94	184	6.27
Class A .....	-	-	-	-	117	6.95	24	7.94	123	7.25
Class B .....	-	-	86	6.56	91	5.64	-	-	-	-
Welders, machine .....	114	6.16	19	6.86	29	6.81	69	7.93	99	4.35
Arc or gas .....	114	6.16	16	6.74	25	6.65	41	8.26	94	4.31
Welders, tack .....	52	5.28	-	-	-	-	-	-	-	-
<b>Inspection and testing</b>										
Inspectors .....	16	7.03	11	7.74	27	7.24	-	-	53	6.49
Class A .....	-	-	7	8.51	22	7.47	-	-	34	7.13
Class B .....	9	6.78	-	-	-	-	-	-	10	6.15
<b>Recording and control</b>										
Stock clerks .....	9	6.38	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 4. Occupational averages: Selected areas—Continued**(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, selected areas, November 1979)

Occupation	Birmingham		Chicago		Houston		New York		South Carolina	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
<b>Material movement</b>										
Crane operators, electric bridge .....	-	-	32	\$7.08	42	\$5.70	42	\$7.53	26	\$4.22
Under 20 tons .....	-	-	20	7.17	25	5.23	18	7.95	15	4.25
Crane operators, mobile .....	13	\$5.81	-	-	-	-	-	-	15	4.25
Hook tenders .....	37	5.49	17	5.71	-	-	-	-	-	-
Truckdrivers .....	12	5.62	23	8.30	27	5.56	19	8.72	32	4.13
Light (under 1.5 tons) .....	-	-	-	-	10	5.00	-	-	-	-
Trailer type .....	-	-	12	9.13	13	5.86	13	8.83	19	3.97
Power truck operators .....	7	5.85	-	-	8	6.11	-	-	16	5.55
Forklift operators .....	-	-	-	-	8	6.11	-	-	15	5.63
<b>Custodial</b>										
Janitors .....	12	4.30	8	5.14	17	4.29	-	-	17	4.04

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

**Table 5. Earnings distribution: Structural fitters**

(Percent distribution of structural fitters in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New Eng-land	Middle At-lantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	5,610	251	928	269	964	1,618	663	406	269	242	85	76	208	29	208
Average hourly earnings <sup>1</sup> .....	\$7.08	\$6.47	\$7.80	\$6.17	\$6.14	\$6.94	\$7.38	\$7.11	\$7.56	\$9.23	\$6.27	\$7.63	\$7.00	\$8.36	\$6.36
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	3.0	9.6	-	1.5	5.2	5.7	-	-	-	-	<sup>2</sup> 11.8	-	1.4	-	4.8
\$4.50 and under \$4.60 .....	.8	-	-	-	4.4	.1	-	-	-	-	-	-	.5	-	-
\$4.60 and under \$4.70 .....	( <sup>3</sup> )	-	-	-	-	.1	-	-	-	-	-	-	-	-	-
\$4.70 and under \$4.80 .....	.5	3.2	-	.7	1.5	.3	-	-	-	-	-	-	1.0	-	3.8
\$4.80 and under \$4.90 .....	.7	-	-	1.5	.1	2.1	-	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	1.1	-	-	4.5	5.2	-	-	-	-	-	-	-	-	-	-
\$5.00 and under \$5.20 .....	1.5	-	-	7.4	2.2	2.7	-	-	-	-	-	-	2.4	-	2.9
\$5.20 and under \$5.40 .....	1.1	-	-	4.5	4.0	.7	-	-	-	-	-	-	.5	-	11.1
\$5.40 and under \$5.60 .....	3.9	-	-	13.4	11.0	1.4	-	13.8	-	-	4.7	-	-	-	22.1
\$5.60 and under \$5.80 .....	2.8	.4	7.1	-	5.5	2.3	-	-	-	-	2.4	-	2.9	-	7.7
\$5.80 and under \$6.00 .....	3.1	20.7	4.7	-	4.1	1.4	1.7	1.5	-	-	-	-	.5	-	3.8
\$6.00 and under \$6.20 .....	5.4	2.8	4.1	13.4	7.9	6.7	1.7	5.4	1.9	-	5.9	1.3	9.1	-	6.7
\$6.20 and under \$6.40 .....	3.4	3.2	.9	3.3	10.7	2.8	1.4	2.0	-	-	15.3	-	2.9	-	3.8
\$6.40 and under \$6.60 .....	3.8	2.4	.9	12.3	6.4	4.5	2.1	2.7	1.5	-	10.6	9.2	9.1	-	3.4
\$6.60 and under \$6.80 .....	6.2	1.2	9.1	4.8	5.8	7.5	5.4	6.4	3.0	-	14.1	10.5	3.8	-	.5
\$6.80 and under \$7.00 .....	10.0	3.2	5.2	26.8	5.1	15.3	18.3	1.2	3.7	.4	32.9	2.6	2.4	-	2.4
\$7.00 and under \$7.20 .....	6.2	39.0	2.7	1.5	3.0	4.5	11.2	7.6	4.8	.8	-	7.9	10.6	10.3	1.0
\$7.20 and under \$7.40 .....	5.7	10.4	10.8	-	1.1	2.3	9.8	16.3	4.5	-	2.4	10.5	7.7	6.9	1.4
\$7.40 and under \$7.60 .....	10.6	2.4	6.6	-	10.8	15.9	1.7	9.1	43.5	.8	-	9.2	27.9	-	1.4
\$7.60 and under \$7.80 .....	7.9	1.6	11.7	-	.5	1.0	32.4	19.5	5.2	.8	-	6.6	5.8	17.2	2.4
\$7.80 and under \$8.00 .....	2.6	-	4.4	4.5	.3	.2	.9	3.4	25.7	-	-	-	-	-	1.4
\$8.00 and under \$8.20 .....	4.1	-	3.3	-	1.0	3.8	5.3	4.7	.4	28.9	-	15.8	10.1	-	-
\$8.20 and under \$8.40 .....	4.8	-	3.8	-	.9	11.6	5.0	.7	-	1.7	-	3.9	-	-	4.3
\$8.40 and under \$8.60 .....	1.6	-	4.7	-	.6	-	2.1	1.7	5.9	1.7	-	11.8	-	-	2.9
\$8.60 and under \$8.80 .....	.6	-	2.4	-	.5	-	.3	.5	-	-	-	2.6	-	58.6	2.4
\$8.80 and under \$9.00 .....	1.0	-	3.9	-	.5	.2	-	3.0	-	-	-	-	1.4	-	2.4
\$9.00 and under \$9.20 .....	.6	-	-	-	.1	-	.5	.5	-	11.2	-	3.9	-	-	.5
\$9.20 and under \$9.40 .....	1.9	-	-	-	.6	5.9	.5	-	-	-	-	3.9	-	-	2.9
\$9.40 and under \$9.60 .....	1.1	-	.1	-	.5	-	-	-	-	22.7	-	-	-	-	2.4
\$9.60 and under \$9.80 .....	.9	-	1.2	-	-	1.0	-	-	-	9.1	-	-	-	6.9	-
\$9.80 and under \$10.00 .....	.1	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-

See footnotes at end of table.

**Table 5. Earnings distribution: Structural fitters—Continued**

(Percent distribution of structural fitters in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$10.00 and under \$10.20 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$10.20 and under \$10.40 .....	( <sup>2</sup> )	-	.1	-	.1	-	-	-	-	-	-	-	-	-	.5
\$10.40 and under \$10.60 .....	.3	-	-	-	.1	-	-	-	-	7.4	-	-	-	-	.5
\$10.60 and under \$10.80 .....	.3	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-
\$10.80 and under \$11.00 .....	0.1	-	-	-	-	-	-	-	-	2.5	-	-	-	-	-
\$11.00 and over .....	2.2	-	<sup>4</sup> 12.4	-	0.1	-	-	-	-	2.5	-	-	-	-	0.5

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> All workers were at \$4 to \$4.10.

<sup>3</sup> Less than 0.5 percent.

<sup>4</sup> Workers were distributed as follows: 0.1 percent at \$11 to \$11.20; 0.1 percent at \$11.20 to

\$11.40; and 12.2 percent at \$11.40 to \$11.60.

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

**Table 6. Earnings distribution: Flame-cutting-machine operators**

(Percent distribution of flame-cutting machine operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	1,182	37	232	99	258	228	160	85	29	54	29	23	27	21	38
Average hourly earnings <sup>1</sup> .....	\$6.46	\$6.50	\$7.61	\$6.00	\$5.16	\$5.76	\$7.15	\$6.69	\$6.65	\$9.03	\$5.43	\$7.33	\$6.10	\$7.69	\$4.61
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$3.50 .....	2.7	-	-	-	3.1	10.5	-	-	-	-	-	-	-	-	5.3
\$3.50 and under \$3.60 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.60 and under \$3.70 .....	.3	-	-	-	1.6	-	-	-	-	-	-	-	-	-	10.5
\$3.70 and under \$3.80 .....	.1	-	-	-	-	.4	-	-	-	-	-	-	3.7	-	-
\$3.80 and under \$3.90 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.90 and under \$4.00 .....	.3	-	-	-	1.6	-	-	-	-	-	-	-	-	-	10.5
\$4.00 and under \$4.10 .....	.3	-	-	-	1.6	-	-	-	-	-	6.9	-	-	-	5.3
\$4.10 and under \$4.20 .....	.8	-	-	-	3.9	-	-	-	-	-	10.3	-	-	-	-
\$4.20 and under \$4.30 .....	.8	-	-	3.0	1.2	1.3	-	-	-	-	-	-	-	-	-
\$4.30 and under \$4.40 .....	.2	-	-	-	.8	-	-	-	-	-	-	-	-	-	-
\$4.40 and under \$4.50 .....	.3	-	-	-	1.2	-	-	-	-	-	6.9	-	-	-	2.6
\$4.50 and under \$4.60 .....	1.0	-	-	3.0	2.3	1.3	-	-	-	-	13.8	-	-	-	5.3
\$4.60 and under \$4.70 .....	.2	-	-	-	.8	-	-	-	-	-	6.9	-	-	-	-
\$4.70 and under \$4.80 .....	4.1	-	-	-	6.6	14.0	-	-	-	-	-	-	-	-	-
\$4.80 and under \$4.90 .....	.7	-	-	-	3.1	-	-	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	.8	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-
\$5.00 and under \$5.20 .....	7.3	2.7	-	2.0	22.5	7.5	5.0	-	-	-	6.9	-	3.7	-	57.9
\$5.20 and under \$5.40 .....	6.2	2.7	-	-	24.4	3.5	-	1.2	-	-	-	-	-	-	-
\$5.40 and under \$5.60 .....	3.9	27.0	.9	10.1	3.5	3.5	3.1	2.4	-	-	-	4.3	29.6	-	-
\$5.60 and under \$5.80 .....	4.7	-	3.4	15.2	5.4	4.4	-	3.5	17.2	-	-	-	11.1	-	-
\$5.80 and under \$6.00 .....	3.0	-	5.6	2.0	1.6	1.8	-	15.3	-	-	-	-	3.7	-	2.6
\$6.00 and under \$6.20 .....	5.5	5.4	-	27.3	3.9	7.0	1.2	9.4	-	-	-	8.7	14.8	-	-
\$6.20 and under \$6.40 .....	3.6	-	-	1.0	8.1	.9	5.0	2.4	27.6	-	31.0	-	-	-	-
\$6.40 and under \$6.60 .....	9.4	-	3.9	29.3	.4	13.6	18.1	14.1	-	-	3.4	-	-	-	-
\$6.60 and under \$6.80 .....	3.8	-	5.6	2.0	-	3.5	4.4	8.2	27.6	-	-	4.3	-	9.5	-
\$6.80 and under \$7.00 .....	4.5	5.4	1.7	4.0	1.6	7.0	11.2	5.9	-	-	13.8	-	3.7	9.5	-
\$7.00 and under \$7.20 .....	7.0	35.1	23.3	1.0	-	3.5	4.4	-	-	-	-	17.4	22.2	19.0	-
\$7.20 and under \$7.40 .....	3.9	21.6	1.7	-	-	4.4	2.5	23.5	-	-	-	17.4	-	-	-
\$7.40 and under \$7.60 .....	3.1	-	8.2	-	1.2	.4	3.1	2.4	20.7	1.9	-	-	-	-	-
\$7.60 and under \$7.80 .....	4.3	-	10.8	-	-	.4	10.0	8.2	6.9	-	-	26.1	-	-	-
\$7.80 and under \$8.00 .....	3.7	-	8.6	-	-	-	9.4	3.5	-	11.1	-	4.3	-	-	-
\$8.00 and under \$8.20 .....	3.0	-	6.0	-	-	.9	11.9	-	-	-	-	13.0	3.7	47.6	-
\$8.20 and under \$8.40 .....	2.0	-	1.3	-	-	1.3	10.0	-	-	3.7	-	-	3.7	14.3	-
\$8.40 and under \$8.60 .....	1.8	-	-	-	-	-	.6	-	-	37.0	-	4.3	-	-	-
\$8.60 and under \$8.80 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 6. Earnings distribution: Flame-cutting-machine operators—Continued**(Percent distribution of flame-cutting machine operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$8.80 and under \$9.00 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$9.00 and under \$9.20 .....	0.8	-	-	-	-	4.4	-	-	-	-	-	-	-	-	-
\$9.20 and under \$9.40 .....	.8	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-
\$9.40 and under \$9.60 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$9.60 and under \$9.80 .....	3.2	-	14.7	-	-	-	-	-	-	7.4	-	-	-	-	-
\$9.80 and under \$10.00 .....	1.8	-	-	-	-	-	-	-	-	38.9	-	-	-	-	-
\$10.00 and over .....	.1	-	.4	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 7. Earnings distribution: General mechanic helpers**

(Percent distribution of general mechanic helpers in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas			
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.
Number of workers .....	2,446	86	773	268	388	289	292	219	75	56	16	23	38	129
Average hourly earnings <sup>1</sup> .....	\$5.33	\$4.83	\$6.12	\$4.30	\$4.01	\$4.87	\$5.88	\$5.66	\$5.43	\$7.44	\$3.50	\$5.53	\$4.49	\$6.55
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
\$3.00 and under \$3.10 .....	.2	-	-	-	1.5	-	-	-	-	-	-	-	-	-
\$3.10 and under \$3.20 .....	.5	-	-	-	3.1	-	-	-	-	-	-	-	-	-
\$3.20 and under \$3.30 .....	2.1	-	-	3.7	9.3	2.1	-	-	-	-	-	-	-	-
\$3.30 and under \$3.40 .....	.2	-	-	-	1.5	-	-	-	-	-	-	-	-	-
\$3.40 and under \$3.50 .....	.2	4.7	-	-	-	-	-	-	-	-	-	-	-	-
\$3.50 and under \$3.60 .....	2.7	18.6	-	10.1	5.7	-	-	-	-	-	100.0	-	-	-
\$3.60 and under \$3.70 .....	1.9	-	-	-	11.9	-	-	-	-	-	-	-	-	-
\$3.70 and under \$3.80 .....	.7	-	-	2.2	2.6	-	-	-	-	-	-	-	-	-
\$3.80 and under \$3.90 .....	3.2	-	-	4.5	17.3	-	-	-	-	-	-	-	-	-
\$3.90 and under \$4.00 .....	.5	2.3	-	-	1.5	-	1.4	-	-	-	-	17.4	-	-
\$4.00 and under \$4.10 .....	.9	-	-	1.9	4.1	-	-	-	-	-	-	-	-	-
\$4.10 and under \$4.20 .....	2.8	-	1.9	13.1	3.1	2.4	-	-	-	-	-	-	-	-
\$4.20 and under \$4.30 .....	1.5	2.3	.1	4.9	5.2	-	-	-	-	-	-	-	-	.8
\$4.30 and under \$4.40 .....	3.8	-	2.5	-	8.0	12.8	-	2.3	-	-	-	-	42.1	-
\$4.40 and under \$4.50 .....	4.7	-	5.8	16.8	4.1	3.1	-	-	-	-	-	-	23.7	-
\$4.50 and under \$4.60 .....	4.1	5.8	.5	26.5	1.3	2.8	-	3.7	-	-	-	-	-	-
\$4.60 and under \$4.70 .....	3.1	1.2	.3	6.0	8.8	3.8	3.8	-	-	-	-	21.7	28.9	1.6
\$4.70 and under \$4.80 .....	4.6	16.3	.6	3.4	1.0	-	22.6	3.2	10.7	-	-	-	-	.8
\$4.80 and under \$4.90 .....	1.3	-	-	-	-	8.3	2.4	-	-	-	-	8.7	-	-
\$4.90 and under \$5.00 .....	4.6	24.4	-	.7	6.7	20.4	1.7	-	-	-	-	-	5.3	-
\$5.00 and under \$5.20 .....	10.1	2.3	9.1	4.1	1.0	40.1	9.2	8.2	-	-	-	4.3	-	2.3
\$5.20 and under \$5.40 .....	3.1	1.2	1.2	.7	.8	1.4	-	8.2	53.3	-	-	-	-	-
\$5.40 and under \$5.60 .....	3.0	-	3.1	.4	1.5	-	2.4	15.1	2.7	-	-	4.3	-	1.6
\$5.60 and under \$5.80 .....	5.0	1.2	12.2	.7	-	-	-	5.0	20.0	-	-	-	-	28.7
\$5.80 and under \$6.00 .....	7.5	3.5	8.2	-	-	-	6.5	44.7	-	-	-	-	-	1.6
\$6.00 and under \$6.20 .....	2.3	5.8	1.0	.4	-	-	7.5	4.6	8.0	8.9	-	8.7	-	-
\$6.20 and under \$6.40 .....	1.3	-	.5	-	-	2.8	6.2	1.4	-	-	-	-	-	-
\$6.40 and under \$6.60 .....	5.7	-	17.5	-	-	-	1.0	.9	-	-	-	13.0	-	17.8
\$6.60 and under \$6.80 .....	3.3	-	5.7	-	-	-	11.3	.9	2.7	-	-	4.3	-	3.1
\$6.80 and under \$7.00 .....	6.1	10.5	15.9	-	-	-	-	.9	2.7	25.0	-	-	-	-
\$7.00 and under \$7.20 .....	4.0	-	3.9	-	-	-	22.9	.9	-	-	-	4.3	-	-
\$7.20 and under \$7.40 .....	1.2	-	3.6	-	-	-	.3	-	-	-	-	4.3	-	21.7
\$7.40 and under \$7.60 .....	2.0	-	6.3	-	-	-	-	-	-	-	-	-	-	19.4
\$7.60 and under \$7.80 .....	.1	-	.1	-	-	-	.7	-	-	-	-	8.7	-	.8
\$7.80 and under \$8.00 .....	1.5	-	-	-	-	-	-	-	-	66.1	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 8. Earnings distribution: Structural steel layout men**

(Percent distribution of structural steel layout men in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	2,032	160	305	216	326	347	205	101	171	201	20	48	18	61	63
Average hourly earnings <sup>1</sup> .....	\$6.96	\$7.13	\$7.88	\$6.25	\$5.68	\$6.02	\$7.55	\$7.07	\$7.27	\$8.96	\$6.65	\$8.44	\$6.86	\$8.83	\$5.45
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	1.5	-	-	-	9.2	-	-	-	-	-	-	-	-	-	6.3
\$4.50 and under \$4.60 .....	1.4	-	-	-	7.4	.9	-	1.0	-	-	-	-	-	-	6.3
\$4.60 and under \$4.70 .....	.1	-	-	-	-	-	-	2.0	-	-	-	-	-	-	-
\$4.70 and under \$4.80 .....	.1	-	-	-	-	.3	-	2.0	-	-	-	-	5.6	-	-
\$4.80 and under \$4.90 .....	.5	2.5	-	-	-	1.7	-	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	.2	-	-	-	.3	-	-	4.0	-	-	-	-	-	-	1.6
\$5.00 and under \$5.20 .....	8.0	-	-	-	5.5	40.1	-	3.0	1.2	-	-	-	-	-	7.9
\$5.20 and under \$5.40 .....	5.5	-	-	25.0	11.0	5.5	-	2.0	.6	-	-	-	-	-	15.9
\$5.40 and under \$5.60 .....	3.1	.6	-	3.7	16.6	-	-	-	-	-	-	-	-	-	34.9
\$5.60 and under \$5.80 .....	6.0	.6	-	19.4	7.7	3.2	17.6	1.0	2.9	-	10.0	-	5.6	-	6.3
\$5.80 and under \$6.00 .....	2.1	5.6	6.6	-	-	.9	-	4.0	4.1	-	-	-	-	-	-
\$6.00 and under \$6.20 .....	8.0	6.3	7.5	8.8	12.6	14.7	3.9	4.0	4.1	-	-	-	11.1	-	1.6
\$6.20 and under \$6.40 .....	5.2	13.1	.3	.9	14.7	3.7	.5	7.9	7.0	-	30.0	2.1	11.1	-	15.9
\$6.40 and under \$6.60 .....	1.8	1.9	.3	2.8	2.1	2.3	3.4	5.0	-	-	-	-	5.6	-	1.6
\$6.60 and under \$6.80 .....	1.9	-	.7	1.4	.6	4.0	3.4	-	6.4	-	5.0	6.3	16.7	-	1.6
\$6.80 and under \$7.00 .....	3.0	-	2.6	7.9	2.1	-	12.2	3.0	-	-	35.0	-	-	-	-
\$7.00 and under \$7.20 .....	4.3	5.0	3.3	14.4	4.0	1.2	7.3	2.0	2.9	-	10.0	4.2	-	1.6	-
\$7.20 and under \$7.40 .....	4.6	-	9.8	1.9	.6	2.0	4.9	5.0	20.5	-	10.0	-	-	3.3	-
\$7.40 and under \$7.60 .....	6.6	6.9	2.0	.5	5.5	10.7	-	17.8	25.1	-	-	-	22.2	3.3	-
\$7.60 and under \$7.80 .....	7.4	50.6	12.5	-	-	2.0	3.9	9.9	3.5	-	-	10.4	-	-	-
\$7.80 and under \$8.00 .....	4.7	3.7	16.1	13.4	-	-	1.5	-	5.3	-	-	6.3	-	1.6	-
\$8.00 and under \$8.20 .....	3.3	-	.3	-	-	1.2	1.0	5.9	10.5	18.4	-	4.2	22.2	-	-
\$8.20 and under \$8.40 .....	4.5	-	7.2	-	-	5.8	.5	16.8	-	15.4	-	2.1	-	6.6	-
\$8.40 and under \$8.60 .....	1.7	3.1	.7	-	-	-	9.8	-	-	3.5	-	4.2	-	-	-
\$8.60 and under \$8.80 .....	2.3	-	.3	-	-	-	17.1	-	5.8	-	-	14.6	-	-	-
\$8.80 and under \$9.00 .....	3.2	-	14.8	-	-	-	1.5	4.0	-	6.5	-	6.3	-	57.4	-
\$9.00 and under \$9.20 .....	5.1	-	5.9	-	-	-	5.4	-	-	37.3	-	22.9	-	19.7	-
\$9.20 and under \$9.40 .....	.7	-	1.0	-	-	-	1.5	-	-	4.5	-	6.3	-	3.3	-
\$9.40 and under \$9.60 .....	.8	-	1.3	-	-	-	2.4	-	-	4.0	-	10.4	-	-	-
\$9.60 and under \$9.80 .....	.8	-	5.6	-	-	-	-	-	-	-	-	-	-	3.3	-
\$9.80 and under \$10.00 .....	( <sup>2</sup> )	-	.3	-	-	-	-	-	-	-	-	-	-	-	-
\$10.00 and over .....	1.4	-	1.0	-	-	-	2.4	-	-	10.4	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Less than 0.5 percent.

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



**Table 9. Earnings distribution: General mechanics (production)**

(Percent distribution of general mechanics in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas			
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	New York-North-eastern N.J.	South Carolina
Number of workers .....	1,981	91	223	62	226	174	640	177	249	139	63	43	160	73
Average hourly earnings <sup>1</sup> .....	\$7.15	\$5.44	\$7.69	\$5.75	\$5.73	\$7.16	\$7.26	\$6.82	\$7.66	\$9.31	\$6.51	\$7.03	\$8.38	\$4.86
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.00 .....	.3	-	-	9.7	-	-	-	-	-	-	-	-	-	-
\$4.00 and under \$4.10 .....	.5	-	-	3.2	3.5	-	-	-	-	-	-	-	-	11.0
\$4.10 and under \$4.20 .....	1.7	35.2	-	3.2	-	-	-	-	-	-	-	-	-	-
\$4.20 and under \$4.30 .....	.4	-	-	-	3.5	-	-	-	-	-	-	-	-	11.0
\$4.30 and under \$4.40 .....	.1	-	-	-	.9	-	-	-	-	-	3.2	-	-	-
\$4.40 and under \$4.50 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$4.50 and under \$4.60 .....	.6	-	-	-	5.3	-	-	-	-	-	-	-	-	16.4
\$4.60 and under \$4.70 .....	.1	-	-	-	.9	-	-	-	-	-	3.2	-	-	-
\$4.70 and under \$4.80 .....	1.8	-	-	-	12.4	4.6	-	-	-	-	-	-	-	38.4
\$4.80 and under \$4.90 .....	.5	4.4	-	-	2.7	-	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	4.0	1.1	-	-	-	3.4	11.2	-	-	-	-	-	-	-
\$5.00 and under \$5.20 .....	.3	-	-	9.7	-	-	-	-	-	-	-	-	-	-
\$5.20 and under \$5.40 .....	1.4	6.6	-	-	1.8	9.2	-	.6	-	-	-	-	-	5.5
\$5.40 and under \$5.60 .....	5.9	12.1	12.6	30.6	6.6	13.8	.3	9.6	-	-	1.6	4.7	-	11.0
\$5.60 and under \$5.80 .....	5.0	2.2	10.8	4.8	24.3	4.6	.5	-	1.6	-	3.2	-	-	2.7
\$5.80 and under \$6.00 .....	2.1	6.6	-	-	2.2	-	3.3	5.6	-	-	3.2	-	-	-
\$6.00 and under \$6.20 .....	3.8	1.1	-	12.9	.4	11.5	6.1	.6	2.0	-	1.6	11.6	-	-
\$6.20 and under \$6.40 .....	3.9	11.0	-	-	5.3	-	2.2	-	16.5	-	9.5	11.6	-	-
\$6.40 and under \$6.60 .....	2.3	-	-	-	9.7	-	.8	10.7	-	-	19.0	-	-	-
\$6.60 and under \$6.80 .....	4.2	1.1	.9	-	5.3	4.0	3.4	17.5	3.2	-	9.5	7.0	-	-
\$6.80 and under \$7.00 .....	4.3	1.1	-	12.9	6.2	-	3.3	18.6	3.2	-	22.2	14.0	-	-
\$7.00 and under \$7.20 .....	4.0	7.7	.4	-	6.6	-	4.1	15.3	1.2	-	23.8	11.6	-	-
\$7.20 and under \$7.40 .....	2.7	8.8	1.3	-	.9	-	5.8	2.3	-	-	-	2.3	1.2	-
\$7.40 and under \$7.60 .....	4.2	1.1	1.3	-	-	-	9.5	3.4	4.8	-	-	7.0	-	-
\$7.60 and under \$7.80 .....	6.7	-	1.3	-	-	-	11.9	3.4	19.3	-	-	7.0	1.2	-
\$7.80 and under \$8.00 .....	5.2	-	-	12.9	.4	-	.8	6.2	31.3	-	-	11.6	-	1.4
\$8.00 and under \$8.20 .....	7.5	-	2.2	-	-	8.6	18.3	6.2	-	-	-	7.0	2.5	-
\$8.20 and under \$8.40 .....	6.2	-	54.7	-	.4	-	-	-	-	-	-	-	75.0	1.4
\$8.40 and under \$8.60 .....	6.5	-	5.4	-	-	-	18.1	-	-	-	-	4.7	7.5	-
\$8.60 and under \$8.80 .....	.2	-	1.8	-	-	-	-	-	-	-	-	-	2.5	-
\$8.80 and under \$9.00 .....	4.4	-	-	-	-	-	.5	-	-	60.4	-	-	-	-
\$9.00 and under \$9.20 .....	4.2	-	5.4	-	-	40.2	-	-	-	.7	-	-	7.5	-
\$9.20 and under \$9.40 .....	.4	-	-	-	-	-	-	-	-	5.8	-	-	-	-
\$9.40 and under \$9.60 .....	2.6	-	-	-	-	-	-	-	16.9	6.5	-	-	-	-
\$9.60 and under \$9.80 .....	.5	-	-	-	-	-	-	-	-	7.2	-	-	-	-

See footnotes at end of table.

**Table 9. Earnings distribution: General mechanics (production)—Continued**(Percent distribution of general mechanics in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas			
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	New York-North-eastern N.J.	South Carolina
\$9.80 and under \$10.00 .....	0.1	-	-	-	0.4	-	-	-	-	-	-	-	-	1.4
\$10.00 and under \$10.20 .....	.9	-	0.9	-	-	-	-	-	-	10.8	-	-	1.2	-
\$10.20 and under \$10.40 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$10.40 and under \$10.60 .....	.1	-	.9	-	-	-	-	-	-	-	-	-	1.2	-
\$10.60 and under \$10.80 .....	.3	-	-	-	-	-	-	-	-	4.3	-	-	-	-
\$10.80 and under \$11.00 .....	.3	-	-	-	-	-	-	-	-	4.3	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 10. Earnings distribution: Rough spray painters**

(Percent distribution of rough spray painters in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	1,451	59	176	109	320	269	293	106	49	70	23	21	17	19	62
Average hourly earnings <sup>1</sup> .....	\$6.11	\$5.85	\$7.03	\$5.45	\$4.58	\$6.17	\$6.99	\$5.93	\$6.79	\$8.02	\$5.38	\$6.79	\$6.20	\$7.77	\$4.24
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$3.50 .....	2.3	-	-	3.7	9.4	-	-	-	-	-	-	-	-	-	9.7
\$3.50 and under \$3.60 .....	1.0	-	-	-	1.9	3.0	-	-	-	-	8.7	-	-	-	6.5
\$3.60 and under \$3.70 .....	1.0	-	-	-	4.4	-	-	-	-	-	8.7	-	-	-	19.4
\$3.70 and under \$3.80 .....	2.6	-	-	-	11.9	-	-	-	-	-	8.7	-	-	-	-
\$3.80 and under \$3.90 .....	.2	-	-	-	.9	-	-	-	-	-	-	-	-	-	4.8
\$3.90 and under \$4.00 .....	.5	-	-	-	1.2	1.1	-	-	-	-	-	-	-	-	6.5
\$4.00 and under \$4.10 .....	2.4	13.6	-	-	3.7	3.0	-	6.6	-	-	-	-	-	-	9.7
\$4.10 and under \$4.20 .....	.5	-	-	-	2.2	-	-	-	-	-	-	-	-	-	-
\$4.20 and under \$4.30 .....	4.0	-	-	3.7	11.2	6.7	-	-	-	-	-	-	-	-	-
\$4.30 and under \$4.40 .....	2.1	3.4	-	7.3	2.8	-	1.7	6.6	-	-	-	-	-	-	4.8
\$4.40 and under \$4.50 .....	.7	-	-	-	2.2	1.1	-	-	-	-	-	-	-	-	-
\$4.50 and under \$4.60 .....	1.5	-	2.3	1.8	3.1	.7	1.0	.9	-	-	-	14.3	-	-	3.2
\$4.60 and under \$4.70 .....	.1	-	-	-	.6	-	-	-	-	-	-	-	-	-	-
\$4.70 and under \$4.80 .....	3.9	3.4	2.3	7.3	5.3	9.3	.3	-	-	-	8.7	4.8	5.9	-	3.2
\$4.80 and under \$4.90 .....	3.3	-	-	-	6.9	2.6	4.1	6.6	-	-	4.3	-	5.9	-	14.5
\$4.90 and under \$5.00 .....	1.2	-	-	3.7	2.8	1.5	-	-	-	-	-	-	5.9	-	-
\$5.00 and under \$5.20 .....	3.0	8.5	-	7.3	4.4	1.1	-	12.3	-	-	-	-	-	-	4.8
\$5.20 and under \$5.40 .....	3.1	5.1	-	7.3	6.9	2.2	1.7	.9	-	-	-	-	-	-	4.8
\$5.40 and under \$5.60 .....	4.4	11.9	4.5	14.7	1.2	7.8	2.4	.9	-	-	8.7	4.8	5.9	-	1.6
\$5.60 and under \$5.80 .....	2.4	6.8	-	1.8	3.1	4.5	.3	-	12.2	-	4.3	-	17.6	-	3.2
\$5.80 and under \$6.00 .....	4.5	3.4	18.8	12.8	4.1	.7	.3	-	-	-	8.7	-	11.8	-	1.6
\$6.00 and under \$6.20 .....	4.8	1.7	2.8	15.6	.9	6.7	8.2	-	2.0	-	-	-	-	-	1.6
\$6.20 and under \$6.40 .....	5.2	-	-	4.6	3.7	.7	4.1	34.9	14.3	-	17.4	-	-	-	-
\$6.40 and under \$6.60 .....	3.8	6.8	2.3	3.7	.3	5.2	3.8	8.5	4.1	8.6	4.3	-	11.8	-	-
\$6.60 and under \$6.80 .....	6.1	1.7	13.6	-	3.7	5.2	7.8	8.5	12.2	-	8.7	4.8	-	-	-
\$6.80 and under \$7.00 .....	4.1	20.3	2.3	4.6	.3	1.5	4.1	5.7	30.6	1.4	-	-	-	21.1	-
\$7.00 and under \$7.20 .....	4.8	8.5	10.2	-	.6	12.6	2.7	1.9	-	1.4	8.7	4.8	29.4	-	-
\$7.20 and under \$7.40 .....	1.4	5.1	1.1	-	-	.4	3.4	-	8.2	-	-	23.8	-	10.5	-
\$7.40 and under \$7.60 .....	8.8	-	9.7	-	-	2.2	28.3	3.8	4.1	22.9	-	4.8	-	-	-
\$7.60 and under \$7.80 .....	4.4	-	9.7	-	-	-	14.3	1.9	-	4.3	-	38.1	-	-	-
\$7.80 and under \$8.00 .....	.6	-	-	-	-	.7	1.4	-	4.1	-	-	-	-	-	-

See footnotes at end of table.

**Table 10. Earnings distribution: Rough spray painters—Continued**(Percent distribution of rough spray painters in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$8.00 and under \$8.20 .....	4.0	-	7.4	-	-	1.9	3.1	-	8.2	38.6	-	-	-	68.4	-
\$8.20 and under \$8.40 .....	5.3	-	5.7	-	-	17.5	6.8	-	-	-	-	-	5.9	-	-
\$8.40 and under \$8.60 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$8.60 and under \$8.80 .....	.7	-	-	-	-	-	-	-	-	14.3	-	-	-	-	-
\$8.80 and under \$9.00 .....	0.4	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-
\$9.00 and over .....	.9	-	4.0	-	-	-	-	-	-	8.6	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 11. Earnings distribution: Power-shear operators**

(Percent distribution of power-shear operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas		
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Chicago	Houston	South Carolina
Number of workers .....	1,009	22	168	69	211	226	154	90	35	34	26	51	43
Average hourly earnings <sup>1</sup> .....	\$6.19	\$5.90	\$7.25	\$5.47	\$5.23	\$5.26	\$7.44	\$6.45	\$6.70	\$7.90	\$7.43	\$5.83	\$6.09
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$3.50 .....	.2	-	-	-	.9	-	-	-	-	-	-	-	4.7
\$3.50 and under \$3.60 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.60 and under \$3.70 .....	2.1	-	-	-	-	9.3	-	-	-	-	-	-	-
\$3.70 and under \$3.80 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.80 and under \$3.90 .....	.7	-	-	-	1.9	1.3	-	-	-	-	-	-	9.3
\$3.90 and under \$4.00 .....	-	-	-	-	-	-	-	-	-	-	-	-	-
\$4.00 and under \$4.10 .....	4.5	-	-	8.7	10.9	7.1	-	-	-	-	-	-	4.7
\$4.10 and under \$4.20 .....	.6	-	-	5.8	.9	-	-	-	-	-	-	-	4.7
\$4.20 and under \$4.30 .....	.6	-	-	-	-	1.8	-	-	5.7	-	-	-	-
\$4.30 and under \$4.40 .....	1.3	4.5	-	-	5.7	-	-	-	-	-	-	-	-
\$4.40 and under \$4.50 .....	1.2	-	-	8.7	.9	1.8	-	-	-	-	-	-	4.7
\$4.50 and under \$4.60 .....	3.8	-	2.4	4.3	1.4	12.4	-	-	-	-	-	9.8	-
\$4.60 and under \$4.70 .....	1.9	-	-	-	7.1	1.8	-	-	-	-	-	-	7.0
\$4.70 and under \$4.80 .....	1.3	-	-	-	1.4	4.4	-	-	-	-	-	-	-
\$4.80 and under \$4.90 .....	1.4	-	-	-	6.6	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	.6	-	-	-	2.8	-	-	-	-	-	-	-	-
\$5.00 and under \$5.20 .....	6.9	4.5	-	-	19.4	11.1	1.9	-	-	-	-	7.8	9.3
\$5.20 and under \$5.40 .....	4.1	4.5	-	17.4	2.4	3.5	1.9	13.3	-	-	-	11.8	-
\$5.40 and under \$5.60 .....	6.8	50.0	1.2	-	17.1	8.4	-	1.1	-	-	-	29.4	4.7
\$5.60 and under \$5.80 .....	4.2	4.5	-	15.9	3.8	.9	-	16.7	14.3	-	-	-	11.6
\$5.80 and under \$6.00 .....	6.1	4.5	8.3	-	1.4	15.9	-	8.9	-	-	-	-	-
\$6.00 and under \$6.20 .....	2.5	-	.6	14.5	2.4	1.3	.6	1.1	11.4	-	3.8	-	-
\$6.20 and under \$6.40 .....	3.5	-	-	15.9	3.8	3.1	1.3	3.3	11.4	-	-	13.7	-
\$6.40 and under \$6.60 .....	1.4	-	6.0	-	-	-	-	2.2	2.9	2.9	-	-	-
\$6.60 and under \$6.80 .....	2.7	-	1.2	7.2	-	1.8	2.6	12.2	-	2.9	3.8	7.8	-
\$6.80 and under \$7.00 .....	4.2	-	5.4	-	.9	3.1	8.4	4.4	17.1	2.9	3.8	2.0	-
\$7.00 and under \$7.20 .....	7.2	9.1	19.6	-	-	7.5	4.5	15.6	-	-	-	17.6	-
\$7.20 and under \$7.40 .....	4.9	18.2	18.5	-	-	-	.6	12.2	-	5.9	3.8	-	-
\$7.40 and under \$7.60 .....	13.3	-	20.8	-	1.4	-	50.6	8.9	25.7	2.9	65.4	-	7.0
\$7.60 and under \$7.80 .....	2.8	-	1.8	-	.5	3.5	10.4	-	-	-	7.7	-	2.3
\$7.80 and under \$8.00 .....	1.8	-	4.2	1.4	-	-	6.5	-	-	-	11.5	-	-

See footnotes at end of table.

**Table 11. Earnings distribution: Power-shear operators—Continued**

(Percent distribution of power-shear operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas		
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Chicago	Houston	South Carolina
\$8.00 and under \$8.20 .....	3.3	-	1.2	-	1.4	-	-	-	11.4	70.6	-	-	7.0
\$8.20 and under \$8.40 .....	2.7	-	4.2	-	-	-	10.4	-	-	11.8	-	-	-
\$8.40 and under \$8.60 .....	.5	-	-	-	2.4	-	-	-	-	-	-	-	11.6
\$8.60 and under \$8.80 .....	.3	-	-	-	1.4	-	-	-	-	-	-	-	7.0
\$8.80 and under \$9.00 .....	0.1	-	0.6	-	-	-	-	-	-	-	-	-	-
\$9.00 and over .....	.9	-	4.2	-	0.9	-	-	-	-	-	-	-	4.7

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 12. Earnings distribution: Class A hand welders**

(Percent distribution of Class A hand welders in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	3,744	139	655	142	308	1,373	843	149	91	44	21	111	117	24	123
Average hourly earnings <sup>1</sup> .....	\$7.34	\$6.76	\$8.47	\$6.59	\$6.28	\$7.38	\$7.13	\$6.69	\$6.99	\$8.31	\$6.35	\$7.45	\$6.95	\$7.94	\$7.25
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	.6	-	-	-	5.2	.4	-	-	-	-	-	-	-	-	<sup>2</sup> 13.0
\$4.50 and under \$4.60 .....	.5	-	-	-	3.6	.4	-	-	-	-	-	-	-	-	4.1
\$4.60 and under \$4.70 .....	.2	-	-	-	1.9	-	-	-	-	-	-	-	-	-	-
\$4.70 and under \$4.80 .....	.3	-	-	-	3.9	-	-	-	-	-	-	-	-	-	-
\$4.80 and under \$4.90 .....	.2	-	-	-	1.6	.2	-	-	-	-	-	-	-	-	4.1
\$4.90 and under \$5.00 .....	.8	-	-	5.6	7.1	-	-	-	-	-	-	-	-	-	3.3
\$5.00 and under \$5.20 .....	2.4	-	-	-	4.2	5.5	-	-	-	-	-	-	-	-	10.6
\$5.20 and under \$5.40 .....	2.2	-	-	-	8.1	4.2	-	-	-	-	-	-	-	-	3.3
\$5.40 and under \$5.60 .....	3.3	1.4	-	3.5	16.9	.9	3.4	16.1	-	-	-	-	-	-	4.9
\$5.60 and under \$5.80 .....	1.3	-	3.7	-	-	.9	.2	-	12.1	-	-	-	3.4	-	-
\$5.80 and under \$6.00 .....	4.3	28.1	-	2.8	5.8	4.4	4.5	.7	-	-	-	9.0	-	-	-
\$6.00 and under \$6.20 .....	1.8	1.4	.5	6.3	3.2	2.2	.9	4.7	-	-	-	-	11.1	-	-
\$6.20 and under \$6.40 .....	4.1	-	.6	7.0	6.8	4.4	6.3	3.4	-	-	100.0	-	3.4	-	-
\$6.40 and under \$6.60 .....	5.0	2.9	.5	14.8	2.6	3.7	7.5	24.8	-	-	-	-	4.3	-	-
\$6.60 and under \$6.80 .....	8.6	-	2.3	3.5	5.5	2.5	22.9	4.0	54.9	-	-	-	1.7	-	-
\$6.80 and under \$7.00 .....	7.0	5.8	.2	51.4	-	4.2	12.6	10.1	-	2.3	-	-	2.6	-	-
\$7.00 and under \$7.20 .....	5.4	18.0	8.5	-	.6	5.0	2.7	17.4	-	-	-	.9	52.1	33.3	-
\$7.20 and under \$7.40 .....	2.9	42.4	3.8	.7	-	1.0	1.1	-	-	-	-	2.7	4.3	-	-
\$7.40 and under \$7.60 .....	9.4	-	19.2	-	-	9.3	10.0	10.1	-	-	-	70.3	4.3	-	-
\$7.60 and under \$7.80 .....	.5	-	-	-	.3	.4	.7	4.0	-	-	-	-	3.4	-	.8
\$7.80 and under \$8.00 .....	4.6	-	17.6	4.2	.3	.6	1.5	-	30.8	-	-	-	3.4	-	.8
\$8.00 and under \$8.20 .....	11.0	-	7.2	-	2.6	10.3	22.5	-	2.2	50.0	-	7.2	6.0	-	6.5
\$8.20 and under \$8.40 .....	12.2	-	1.1	-	.3	31.8	1.1	-	-	6.8	-	4.5	-	20.8	.8
\$8.40 and under \$8.60 .....	1.0	-	4.0	-	.3	-	.6	4.7	-	-	-	4.5	-	45.8	.8
\$8.60 and under \$8.80 .....	.8	-	.3	-	3.2	-	.1	-	-	40.9	-	.9	-	-	8.1
\$8.80 and under \$9.00 .....	1.5	-	6.1	-	4.9	-	-	-	-	-	-	-	-	-	12.2
\$9.00 and under \$9.20 .....	2.9	-	-	-	1.9	7.6	-	-	-	-	-	-	-	-	4.9
\$9.20 and under \$9.40 .....	.1	-	.3	-	.3	-	-	-	-	-	-	-	-	-	.8
\$9.40 and under \$9.60 .....	.3	-	.5	-	2.3	-	-	-	-	-	-	-	-	-	5.7
\$9.60 and under \$9.80 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$9.80 and under \$10.00 .....	.3	-	.5	-	2.6	-	-	-	-	-	-	-	-	-	6.5

See footnotes at end of table.

**Table 12. Earnings distribution: Class A hand welders—Continued**(Percent distribution of Class A hand welders in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$10.00 and under \$10.20 .....	.2	-	.2	-	2.6	-	-	-	-	-	-	-	-	-	6.5
\$10.20 and under \$10.40 .....	( <sup>3</sup> )	-	-	-	.3	-	-	-	-	-	-	-	-	-	.8
\$10.40 and under \$10.60 .....	.1	-	-	-	-	-	.4	-	-	-	-	-	-	-	-
\$10.60 and under \$10.80 .....	.1	-	.3	-	.3	-	.1	-	-	-	-	-	-	-	.8
\$10.80 and under \$11.00 .....	0.1	-	0.2	-	-	-	0.2	-	-	-	-	-	-	-	-
\$11 and over .....	4.1	-	<sup>4</sup> 22.7	-	0.3	-	.6	-	-	-	-	-	-	-	0.8

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Workers were distributed as follows: 6.4 percent at under \$4; 3.3 percent at \$4.10 to \$4.20; and 3.3 percent at \$4.20 to \$4.30.<sup>3</sup> Less than 0.5 percent.<sup>4</sup> Workers were distributed as follows: 22.1 percent at \$11.20 to \$11.40; and 0.6 percent at \$11.40 and over.

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



**Table 13. Earnings distribution: Class B hand welders**

(Percent distribution of Class B hand welders in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions								Areas		
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Chicago	Houston	South Carolina
Number of workers .....	2,081	182	112	409	197	444	317	265	144	86	91	61
Average hourly earnings <sup>1</sup> .....	\$5.87	\$6.38	\$6.70	\$5.02	\$5.22	\$5.39	\$6.70	\$6.44	\$6.36	\$6.56	\$5.64	\$4.30
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4 .....	1.1	-	-	-	5.1	2.7	-	-	-	-	-	<sup>2</sup> 16.4
\$4.00 and under \$4.10 .....	1.4	-	-	-	5.1	4.5	-	-	-	-	6.6	16.4
\$4.10 and under \$4.20 .....	.3	-	-	.5	2.5	-	-	-	-	-	-	8.2
\$4.20 and under \$4.30 .....	.4	-	-	-	2.0	1.1	-	-	-	-	-	6.6
\$4.30 and under \$4.40 .....	3.9	-	-	14.7	9.1	.7	-	-	-	-	3.3	4.9
\$4.40 and under \$4.50 .....	.7	-	-	2.0	.5	1.1	-	-	-	-	-	1.6
\$4.50 and under \$4.60 .....	3.3	-	-	8.6	8.1	3.8	-	-	-	-	3.3	26.2
\$4.60 and under \$4.70 .....	.4	-	-	.5	3.0	-	-	-	-	-	-	3.3
\$4.70 and under \$4.80 .....	.8	2.2	-	1.2	1.5	1.1	-	-	-	-	1.1	4.9
\$4.80 and under \$4.90 .....	2.4	3.3	-	5.9	2.5	2.9	-	-	1.4	-	-	1.6
\$4.90 and under \$5.00 .....	1.5	-	-	4.4	2.5	.9	-	1.5	-	-	4.4	1.6
\$5.00 and under \$5.20 .....	5.5	1.1	3.6	14.7	14.7	3.8	.3	.4	-	-	14.3	6.6
\$5.20 and under \$5.40 .....	7.5	-	3.6	21.5	1.5	9.2	1.6	5.3	1.4	-	7.7	-
\$5.40 and under \$5.60 .....	18.4	11.5	10.7	22.7	9.1	45.0	7.9	3.0	3.5	4.7	9.9	1.6
\$5.60 and under \$5.80 .....	4.8	7.1	-	3.4	4.6	2.9	7.6	6.4	6.3	23.3	8.8	-
\$5.80 and under \$6.00 .....	7.6	9.3	-	-	6.6	7.9	.6	27.2	13.2	2.3	4.4	-
\$6.00 and under \$6.20 .....	3.4	8.2	14.3	-	3.0	1.8	1.3	5.7	4.9	4.7	6.6	-
\$6.20 and under \$6.40 .....	8.4	3.3	-	-	1.5	5.0	23.7	2.6	43.1	9.3	7.7	-
\$6.40 and under \$6.60 .....	3.5	7.1	7.1	-	1.5	2.5	6.6	4.5	2.8	5.8	8.8	-
\$6.60 and under \$6.80 .....	3.3	4.4	-	-	15.2	.5	4.7	3.4	1.4	3.5	1.1	-
\$6.80 and under \$7.00 .....	1.9	6.6	.9	-	-	.7	1.6	5.3	3.5	5.8	3.3	-
\$7.00 and under \$7.20 .....	6.6	25.3	46.4	-	-	.7	9.5	2.6	-	25.6	3.3	-
\$7.20 and under \$7.40 .....	5.8	10.4	-	-	-	.9	2.5	30.9	4.9	4.7	4.4	-
\$7.40 and under \$7.60 .....	3.9	-	-	-	-	.2	18.6	-	13.9	1.2	1.1	-
\$7.60 and under \$7.80 .....	2.5	-	11.6	-	-	-	10.7	1.1	-	-	-	-
\$7.80 and under \$8.00 .....	.3	-	-	-	-	-	1.6	-	-	4.7	-	-
\$8 and over .....	.4	-	1.8	-	-	-	1.3	-	-	4.7	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Workers were distributed as follows: 6.6 percent at \$3.80 to \$3.90; 6.6

percent at \$3.60 to \$3.70; and 3.2 percent at under \$3.50.

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

**Table 14. Earnings distribution: Machine welders**

(Percent of machine welders in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New Eng-land	Middle At-lantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	2,320	123	363	285	531	254	219	107	168	270	114	16	25	41	94
Average hourly earnings <sup>1</sup> .....	\$6.45	\$6.10	\$6.38	\$5.28	\$5.23	\$6.68	\$7.14	\$6.79	\$7.34	\$8.89	\$6.16	\$6.74	\$6.65	\$8.26	\$4.31
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
\$3.00 and under \$3.10 .....	.3	-	-	-	1.5	-	-	-	-	-	-	-	-	-	8.5
\$3.10 and under \$3.20 .....	.4	-	-	-	1.9	-	-	-	-	-	-	-	-	-	4.3
\$3.20 and under \$3.30 .....	.3	-	-	-	1.5	-	-	-	-	-	-	-	-	-	8.5
\$3.30 and under \$3.40 .....	.3	-	-	-	1.5	-	-	-	-	-	-	-	-	-	8.5
\$3.40 and under \$3.50 .....	.1	-	-	-	.4	-	-	-	-	-	-	-	-	-	2.1
\$3.50 and under \$3.60 .....	.5	-	-	-	2.3	-	-	-	-	-	-	-	-	-	6.4
\$3.60 and under \$3.70 .....	.1	-	-	-	.4	-	-	-	-	-	-	-	-	-	2.1
\$3.70 and under \$3.80 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.80 and under \$3.90 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.90 and under \$4.00 .....	.1	-	-	-	.4	-	-	-	-	-	-	-	-	-	2.1
\$4.00 and under \$4.10 .....	.4	-	-	-	1.9	-	-	-	-	-	-	-	-	-	4.3
\$4.10 and under \$4.20 .....	1.3	22.8	-	-	.4	-	-	-	-	-	-	-	-	-	2.1
\$4.20 and under \$4.30 .....	2.5	-	-	-	9.4	3.1	-	-	-	-	-	-	-	-	2.1
\$4.30 and under \$4.40 .....	1.3	-	-	10.5	-	-	-	-	-	-	-	-	-	-	-
\$4.40 and under \$4.50 .....	1.3	-	-	10.5	-	-	-	-	-	-	-	-	-	-	-
\$4.50 and under \$4.60 .....	1.8	-	-	7.0	2.6	-	-	6.5	-	-	5.3	-	-	-	2.1
\$4.60 and under \$4.70 .....	.8	-	2.2	3.5	-	-	-	-	-	-	-	-	-	-	-
\$4.70 and under \$4.80 .....	1.8	13.0	1.1	-	4.1	-	-	-	-	-	8.8	-	-	-	-
\$4.80 and under \$4.90 .....	.7	-	4.4	-	-	-	-	-	-	-	-	-	-	-	-
\$4.90 and under \$5.00 .....	2.1	-	1.1	-	8.5	-	-	-	-	-	4.4	-	-	-	-
\$5.00 and under \$5.20 .....	6.1	-	1.1	15.8	11.3	3.1	11.4	-	-	-	-	-	-	-	11.7
\$5.20 and under \$5.40 .....	6.7	-	4.4	15.8	15.3	5.5	-	-	-	-	5.3	-	-	-	35.1
\$5.40 and under \$5.60 .....	3.5	2.4	-	13.7	4.0	3.1	-	10.3	-	-	7.9	-	-	-	-
\$5.60 and under \$5.80 .....	1.9	.8	-	1.1	3.4	-	3.7	10.3	2.4	-	-	50.0	-	-	-
\$5.80 and under \$6.00 .....	6.5	3.3	27.5	3.9	2.3	4.7	1.8	2.8	2.4	-	2.6	-	8.0	4.9	-
\$6.00 and under \$6.20 .....	6.9	5.7	19.3	9.5	4.9	11.0	-	-	1.8	-	1.8	-	20.0	4.9	-
\$6.20 and under \$6.40 .....	4.4	6.5	6.1	-	11.9	3.1	-	1.9	-	-	15.8	-	-	-	-
\$6.40 and under \$6.60 .....	1.4	-	3.0	-	.9	4.7	-	3.7	-	-	4.4	-	40.0	-	-
\$6.60 and under \$6.80 .....	3.1	-	1.4	-	1.1	6.7	1.4	6.5	20.2	-	5.3	-	-	-	-
\$6.80 and under \$7.00 .....	3.5	-	1.1	6.0	7.0	.4	5.9	9.3	-	-	32.5	-	4.0	2.4	-
\$7.00 and under \$7.20 .....	1.9	-	3.6	-	.9	2.8	2.3	8.4	2.4	-	4.4	-	4.0	4.9	-
\$7.20 and under \$7.40 .....	5.7	17.9	.3	-	.4	39.0	2.7	-	1.2	-	1.8	-	8.0	-	-
\$7.40 and under \$7.60 .....	6.0	-	11.6	-	-	7.5	4.1	1.9	39.9	.4	-	-	4.0	-	-
\$7.60 and under \$7.80 .....	9.3	27.6	-	-	-	.8	65.8	26.2	4.8	-	-	12.5	4.0	-	-
\$7.80 and under \$8.00 .....	2.4	-	2.2	2.8	-	-	-	9.3	17.9	-	-	-	-	-	-

See footnotes at end of table.

**Table 14. Earnings distribution: Machine welders—Continued**(Percent of machine welders in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$8.00 and under \$8.20 .....	4.0	-	0.6	-	-	1.2	-	1.9	7.1	27.4	-	-	8.0	4.9	-
\$8.20 and under \$8.40 .....	.2	-	.6	-	-	-	-	.9	-	.7	-	-	-	4.9	-
\$8.40 and under \$8.60 .....	1.4	-	5.5	-	-	3.1	0.9	-	-	.7	-	12.5	-	48.8	-
\$8.60 and under \$8.80 .....	4.6	-	-	-	-	-	-	-	-	39.3	-	-	-	-	-
\$8.80 and under \$9.00 .....	.5	-	1.1	-	-	-	-	-	-	3.0	-	-	-	9.8	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

**Table 15. Earnings distribution: Crane operators, electric bridge**

(Percent of crane operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New Eng-land	Middle At-lantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Number of workers .....	1,509	52	301	233	228	201	304	120	42	28	35	32	42	42	26
Average hourly earnings <sup>1</sup> .....	\$6.27	\$6.68	\$7.45	\$5.59	\$4.90	\$5.39	\$6.79	\$6.74	\$6.40	\$8.16	\$6.32	\$7.08	\$5.70	\$7.53	\$4.22
Percent distribution .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$3.50 .....	1.6	-	-	-	6.1	5.0	-	-	-	-	-	-	-	-	-
\$3.50 and under \$3.60 .....	1.9	-	-	-	9.2	3.5	-	-	-	-	-	-	-	-	-
\$3.60 and under \$3.70 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$3.70 and under \$3.80 .....	.5	-	-	.9	.9	2.0	-	-	-	-	-	-	-	-	7.7
\$3.80 and under \$3.90 .....	.7	-	-	-	4.4	-	-	-	-	-	-	-	-	-	38.5
\$3.90 and under \$4.00 .....	.4	-	-	.9	.4	1.5	-	-	-	-	-	-	7.1	-	3.8
\$4.00 and under \$4.10 .....	.2	-	-	-	1.3	-	-	-	-	-	-	-	-	-	11.5
\$4.10 and under \$4.20 .....	.3	-	-	1.7	-	-	-	-	-	-	-	-	-	-	-
\$4.20 and under \$4.30 .....	1.5	-	-	3.4	5.7	1.0	-	-	-	-	-	-	4.8	-	-
\$4.30 and under \$4.40 .....	.7	-	-	-	4.4	-	-	-	-	-	-	-	-	-	3.8
\$4.40 and under \$4.50 .....	1.1	-	-	.9	4.4	-	1.6	-	-	-	-	-	-	-	3.8
\$4.50 and under \$4.60 .....	2.1	-	-	-	2.6	10.0	1.6	-	-	-	-	-	-	-	7.7
\$4.60 and under \$4.70 .....	.5	-	-	2.6	.4	-	-	-	-	-	-	-	-	-	3.8
\$4.70 and under \$4.80 .....	6.2	-	-	1.7	18.9	5.0	11.8	-	-	-	-	-	-	-	-
\$4.80 and under \$4.90 .....	.6	-	-	-	1.8	2.5	-	-	-	-	-	-	-	-	3.8
\$4.90 and under \$5.00 .....	.1	-	-	-	.4	.5	-	-	-	-	-	-	2.4	-	3.8
\$5.00 and under \$5.20 .....	1.3	-	-	4.3	.4	4.0	-	.8	-	-	-	-	4.8	-	3.8
\$5.20 and under \$5.40 .....	7.6	5.8	-	30.0	1.8	7.5	5.9	3.3	-	-	-	-	2.4	-	7.7
\$5.40 and under \$5.60 .....	3.6	3.6	-	5.2	3.1	10.0	-	6.7	14.3	-	-	-	28.6	-	-
\$5.60 and under \$5.80 .....	6.4	17.3	5.3	-	15.8	11.9	.7	-	23.8	-	25.7	6.3	14.3	-	-
\$5.80 and under \$6.00 .....	1.7	-	-	-	3.5	2.0	.7	7.5	4.8	-	-	6.3	-	-	-
\$6.00 and under \$6.20 .....	7.9	-	1.7	38.6	-	8.5	.7	2.5	4.8	-	-	6.3	2.4	-	-
\$6.20 and under \$6.40 .....	3.7	-	1.0	8.2	2.6	6.5	2.6	5.8	-	-	-	-	2.4	-	-
\$6.40 and under \$6.60 .....	6.4	-	2.3	-	11.4	18.9	3.0	10.8	-	10.7	74.3	-	31.0	-	-
\$6.60 and under \$6.80 .....	4.5	3.8	8.3	-	-	-	12.2	2.5	2.4	-	-	9.4	-	-	-
\$6.80 and under \$7.00 .....	4.2	-	2.7	1.7	-	-	8.2	14.2	21.4	-	-	37.5	-	4.8	-
\$7.00 and under \$7.20 .....	6.8	36.5	24.6	-	.4	-	3.0	-	-	-	-	-	-	47.6	-
\$7.20 and under \$7.40 .....	6.6	32.7	5.3	-	-	-	.7	44.2	28.6	-	-	-	-	-	-
\$7.40 and under \$7.60 .....	8.2	-	15.6	-	-	-	25.0	-	-	3.6	-	-	-	-	-
\$7.60 and under \$7.80 .....	3.5	-	6.0	-	-	-	11.5	-	-	-	-	9.4	-	-	-
\$7.80 and under \$8.00 .....	2.3	-	5.0	-	-	-	6.3	-	-	-	-	9.4	-	2.4	-

See footnotes at end of table.

**Table 15. Earnings distribution: Crane operators, electric bridge—Continued**(Percent of crane operators in fabricated structural metal plants by straight-time hourly earnings,<sup>1</sup> United States and selected regions and areas, November 1979)

Hourly earnings	United States	Regions									Areas				
		New Eng-land	Middle At-lantic	Border States	Southeast	Southwest	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
\$8.00 and under \$8.20 .....	2.2	-	5.3	-	-	-	3.9	1.7	-	10.7	-	9.4	-	35.7	-
\$8.20 and under \$8.40 .....	.7	-	2.3	-	-	-	.7	-	-	3.6	-	6.3	-	9.5	-
\$8.40 and under \$8.60 .....	1.3	-	-	-	-	-	-	-	-	71.4	-	-	-	-	-
\$8.60 and under \$8.80 .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$8.80 and under \$9.00 .....	0.7	-	3.3	-	-	-	-	-	-	-	-	-	-	-	-
\$9 and over .....	2.3	-	<sup>2</sup> 11.3	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

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

<sup>2</sup> Workers were distributed as follows: 3.7 percent at \$9 to \$9.20; and 7.6 percent at \$9.20 to \$9.40.

**Table 16. Occupational averages by size of community**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of community, United States and selected regions, November 1979)

Occupation	United States				New England		Middle Atlantic		Border States		Southeast	
	Metropolitan		Nonmetropolitan		Metropolitan							
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance occupations												
Carpenters, maintenance .....	25	\$7.77	-	-	-	-	13	\$7.99	-	-	-	-
Electricians, maintenance .....	314	7.45	81	\$7.42	10	\$7.21	79	7.69	46	\$6.70	46	\$6.77
Machinists, maintenance .....	261	7.67	64	7.65	15	6.93	86	8.23	14	6.71	55	6.35
Processing occupations												
Fitters, structural .....	4,669	7.13	941	6.84	206	6.82	928	7.80	194	5.94	898	6.14
Flame-cutting-machine operators .....	971	6.66	211	5.54	37	6.50	232	7.61	63	5.83	189	5.19
Friction-sawing machine operators .....	466	5.82	78	5.78	17	6.64	52	6.75	62	5.60	83	4.94
Grinders-chippers .....	561	5.31	173	3.70	-	-	70	7.75	-	-	105	4.20
Helpers, general mechanic .....	2,048	5.37	398	5.14	47	5.33	773	6.12	251	4.29	388	4.01
Helpers, power-brake .....	117	5.47	8	5.82	-	-	21	7.31	21	4.78	10	4.47
Helpers, power-shear .....	261	4.97	-	-	-	-	18	8.20	23	5.65	100	4.29
Helpers, punch-press .....	173	5.57	-	-	-	-	16	7.79	-	-	46	4.81
Lay-out men, structural steel .....	1,725	7.21	307	5.58	143	7.29	305	7.88	198	6.25	257	5.89
Mechanics, general (production) .....	1,730	7.37	251	5.62	42	6.43	223	7.69	-	-	226	5.73
Milling-machine operators .....	149	7.01	-	-	-	-	47	7.63	16	5.75	9	5.31
Painters, rough, spray .....	1,179	6.11	272	6.14	42	6.29	176	7.03	65	5.40	285	4.55
Planer operators, edge or rotary .....	47	6.78	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	375	6.53	30	6.19	21	6.34	45	8.17	26	5.78	58	5.86
Power-shear operators .....	897	6.25	112	5.73	21	5.91	168	7.25	53	5.35	190	5.30
Punch-press operators .....	966	6.29	150	5.00	29	6.31	150	7.28	60	4.69	190	5.27
Class A .....	561	6.73	82	5.03	-	-	107	7.36	-	-	121	5.45
Class B .....	405	5.69	68	4.95	-	-	43	7.07	50	4.47	69	4.96
Template makers .....	271	7.24	42	5.53	9	6.38	78	7.93	12	6.33	63	6.09
Welders, hand .....	4,242	6.81	1,583	6.83	300	6.63	767	8.21	255	5.40	505	5.86
Class A .....	2,656	7.30	1,088	7.46	128	6.85	655	8.47	64	6.29	308	6.28
Class B .....	1,586	6.00	495	5.46	172	6.47	112	6.70	191	5.10	197	5.22
Welders, machine .....	2,444	6.68	356	5.14	71	7.18	486	6.46	291	5.26	448	5.24
Arc or gas .....	2,084	6.55	236	5.56	69	7.17	363	6.38	265	5.23	443	5.24
Resistance .....	360	7.43	-	-	-	-	123	6.68	-	-	-	-
Welders, tack .....	652	5.55	95	4.33	19	5.88	79	8.17	60	4.93	186	4.29
Inspection and testing												
Inspectors .....	641	7.03	157	6.18	24	6.90	159	7.37	65	5.68	138	6.51
Class A .....	409	7.49	95	6.47	11	7.46	125	7.86	18	6.59	80	7.03
Class B .....	149	6.63	37	6.06	-	-	22	5.69	-	-	31	6.52
Class C .....	83	5.48	-	-	-	-	-	-	23	5.05	27	4.96
Recording and control												
Stock clerks .....	256	5.80	42	5.79	12	5.87	58	6.27	35	5.49	50	5.31
Material movement												
Crane operators, electric bridge .....	1,229	6.42	280	5.62	50	6.72	301	7.45	154	5.32	165	5.31
Under 20 tons .....	617	6.23	145	4.68	38	6.66	71	7.75	96	5.34	97	4.94
20 tons and over .....	403	6.52	-	-	-	-	100	7.71	56	5.22	28	5.69
Combination of sizes .....	209	6.78	135	6.62	-	-	130	7.09	-	-	-	-

See footnotes at end of table.

**Table 16. Occupational averages by size of community—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of community, United States and selected regions, November 1979)

Occupation	United States				New England		Middle Atlantic		Border States		Southeast				
	Metropolitan		Nonmetropolitan		Metropolitan										
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings			
Crane operators, mobile .....	256	\$6.25	156	\$6.66	6	\$6.77	37	\$7.22	-	-	80	\$5.21			
Hook tenders .....	454	5.73	180	6.12	-	-	50	6.84	-	-	122	4.73			
Truckdrivers .....	1,256	6.26	105	5.73	37	6.58	180	7.75	150	\$5.31	252	4.86			
Light (under 1.5 tons) .....	69	5.45	-	-	-	-	-	-	-	-	14	4.96			
Medium (1.5 to 4 tons) .....	214	6.29	-	-	-	-	21	6.90	-	-	22	4.42			
Trailer type .....	650	6.32	-	-	19	7.14	89	7.38	78	5.43	178	5.01			
Heavy .....	90	6.05	14	5.53	-	-	-	-	-	-	24	4.19			
Combination of sizes .....	233	6.39	-	-	-	-	-	-	-	-	-	-			
Power truck operators .....	228	6.63	81	6.27	-	-	55	7.33	-	-	35	5.31			
Forklift operators .....	209	6.53	-	-	-	-	43	7.08	-	-	32	5.32			
Power truck operators, not forklift .....	19	7.79	-	-	-	-	12	8.25	-	-	-	-			
Custodial Janitors .....	351	4.75	66	4.19	-	-	59	5.33	44	4.37	102	4.10			
Maintenance occupations	Southwest				Great Lakes				Middle West		Mountain		Pacific		
	Metropolitan		Nonmetropolitan		Metropolitan		Nonmetropolitan		Metropolitan						
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	44	\$7.18	-	-	45	\$8.83	12	\$6.55	20	\$7.17	18	\$7.22	6	\$9.15	
	-	-	-	-	53	8.42	-	-	14	7.60	12	7.55	-	-	
	Processing occupations														
	Fitters, structural .....	1,016	6.93	602	\$6.94	618	7.42	-	-	298	6.95	269	7.56	242	9.23
	Flame-cutting-machine operators .....	160	6.13	68	4.90	142	7.26	-	-	65	6.49	29	6.65	54	9.03
	Friction-sawing machine operators .....	125	4.84	-	-	45	7.06	18	5.91	29	6.72	37	6.63	16	8.08
Grinders-chippers .....	274	4.50	-	-	-	-	-	-	-	-	-	-	-	-	
Helpers, general mechanic .....	125	4.61	-	-	212	6.26	-	-	121	5.41	-	-	-	-	
Helpers, power-brake .....	27	3.80	-	-	20	6.86	-	-	9	5.55	-	-	-	-	
Helpers, power-shear .....	61	3.57	-	-	25	6.95	-	-	17	5.82	-	-	-	-	
Helpers, punch-press .....	26	4.12	-	-	47	6.17	-	-	-	-	-	-	-	-	
Lay-out men, structural steel .....	209	6.45	-	-	154	8.03	-	-	87	6.99	171	7.27	201	8.96	
Mechanics, general (production) .....	136	7.66	-	-	498	7.57	-	-	177	6.82	-	-	-	-	
Milling-machine operators .....	44	6.39	-	-	-	-	-	-	7	6.86	-	-	-	-	
Painters, rough, spray .....	167	5.64	-	-	245	7.15	48	6.16	80	5.77	49	6.79	70	8.02	
Planer operators, edge or rotary .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Power-brake operators .....	111	5.41	-	-	66	7.63	-	-	13	6.88	20	7.00	15	8.39	
Power-shear operators .....	176	5.20	-	-	137	7.47	-	-	83	6.39	35	6.70	-	-	
Punch-press operators .....	188	5.73	-	-	207	7.16	-	-	38	6.09	53	5.96	51	8.15	
Class A .....	104	6.26	-	-	126	7.40	-	-	19	6.68	24	6.91	34	8.46	
Class B .....	84	5.07	-	-	81	6.79	-	-	19	5.50	-	-	17	7.52	

See footnotes at end of table.

**Table 16. Occupational averages by size of community—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of community, United States and selected regions, November 1979)

Occupation	Southwest				Great Lakes				Middle West		Mountain		Pacific	
	Metropolitan		Nonmetropolitan		Metropolitan		Nonmetropolitan		Metropolitan					
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Template makers .....	32	\$6.34	-	-	50	\$8.04	-	-	13	\$7.17	-	-	13	\$9.39
Welders, hand .....	867	6.38	950	\$7.36	896	7.15	-	-	362	6.43	235	\$6.60	55	8.14
Class A .....	626	6.81	-	-	591	7.38	-	-	149	6.69	91	6.99	44	8.31
Class B .....	241	5.28	-	-	305	6.70	-	-	213	6.24	144	6.36	11	7.50
Welders, machine .....	288	6.46	-	-	-	-	-	-	82	6.46	170	7.34	422	8.96
Arc or gas .....	247	6.66	-	-	-	-	-	-	76	6.50	168	7.34	270	8.89
Resistance .....	-	-	-	-	-	-	-	-	-	-	-	-	152	9.08
Welders, tack .....	-	-	-	-	51	6.49	-	-	-	-	-	-	-	-
Inspection and testing														
Inspectors .....	103	7.12	-	-	60	7.64	17	\$5.60	49	6.94	-	-	22	9.57
Class A .....	84	7.27	-	-	38	7.99	-	-	32	6.85	9	7.49	-	-
Class B .....	19	6.46	-	-	12	6.73	-	-	11	7.17	-	-	-	-
Class C .....	-	-	-	-	10	7.43	-	-	6	6.96	-	-	-	-
Recording and control														
Stock clerks .....	48	5.27	-	-	29	6.44	-	-	9	6.15	12	6.08	-	-
Material movement														
Crane operators, electric bridge .....	183	5.33	-	-	236	7.19	68	5.41	70	6.37	42	6.40	-	-
Under 20 tons .....	76	4.70	-	-	171	7.40	-	-	39	6.30	26	6.09	-	-
20 tons and over .....	93	5.73	-	-	50	6.58	-	-	31	6.45	-	-	-	-
Combination of sizes .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crane operators, mobile .....	63	6.41	112	7.48	10	6.76	-	-	14	6.32	26	7.30	7	7.51
Hook tenders .....	60	5.39	102	6.18	69	6.57	-	-	26	6.26	-	-	-	-
Truckdrivers .....	281	5.44	63	5.86	158	7.67	-	-	81	7.32	78	6.61	39	9.12
Light (under 1.5 tons) .....	32	4.73	-	-	-	-	-	-	7	8.11	-	-	-	-
Medium (1.5 to 4 tons) .....	63	5.38	-	-	32	7.82	-	-	-	-	-	-	13	8.85
Trailer type .....	123	5.99	-	-	73	7.80	-	-	47	7.67	24	6.75	19	9.07
Heavy .....	-	-	-	-	-	-	-	-	22	6.59	-	-	-	-
Combination of sizes .....	62	4.77	-	-	44	7.42	-	-	-	-	-	-	-	-
Power truck operators .....	20	5.45	-	-	65	7.04	-	-	-	-	20	6.10	15	8.31
Forklift operators .....	20	5.45	-	-	65	7.04	-	-	-	-	20	6.10	-	-
Power truck operators, not forklift .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custodial														
Janitors .....	47	3.88	34	4.28	50	6.39	-	-	32	4.77	12	5.01	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.



**Table 17. Occupational averages by size of establishment**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	United States						New England				Middle Atlantic			
	Establishments with--													
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		20-99 workers		100-249 workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance occupations														
Carpenters, maintenance .....	-	-	11	\$7.29	11	\$8.12	-	-	-	-	-	-	-	-
Electricians, maintenance .....	80	\$7.22	86	6.90	229	7.73	-	-	6	\$7.23	-	-	15	\$6.94
Machinists, maintenance .....	84	7.25	83	7.05	158	8.21	-	-	6	6.71	-	-	21	7.81
Processing occupations														
Fitters, structural .....	1,813	7.00	1,458	6.64	2,296	7.41	132	\$6.03	38	6.93	301	\$6.87	322	7.35
Flame-cutting-machine operators .....	422	6.18	329	6.20	414	6.97	-	-	12	6.92	60	6.97	45	6.93
Friction-sawing machine operators .....	229	5.68	194	5.59	118	6.41	-	-	6	6.33	32	6.31	-	-
Grinders-chippers .....	372	4.21	158	5.93	191	5.50	-	-	-	-	-	-	-	-
Helpers, general mechanic .....	722	5.22	810	5.61	911	5.17	-	-	41	5.27	342	5.56	306	6.60
Helpers, power-brake .....	51	4.74	34	4.97	39	6.96	-	-	-	-	-	-	-	-
Helpers, power-shear .....	121	4.51	104	4.76	74	6.11	-	-	-	-	-	-	-	-
Helpers, punch-press .....	47	5.39	74	5.05	56	6.45	-	-	-	-	-	-	-	-
Lay-out men, structural steel .....	878	7.03	657	6.96	469	6.74	68	6.77	43	7.13	158	7.58	82	7.94
Mechanics, general (production) .....	1,233	7.22	431	6.88	311	7.24	69	5.08	22	6.57	144	7.43	-	-
Milling-machine operators .....	37	6.59	59	6.90	58	7.39	-	-	-	-	-	-	26	7.44
Painters, rough, brush .....	-	-	8	5.13	-	-	-	-	-	-	-	-	-	-
Painters, rough, spray .....	667	5.80	338	5.80	424	6.92	28	5.15	18	6.31	87	6.37	29	7.43
Planer operators, edge or rotary .....	-	-	-	-	20	7.42	-	-	-	-	-	-	-	-
Power-brake operators .....	149	5.84	125	6.31	130	7.45	-	-	-	-	-	-	-	-
Power-shear operators .....	374	5.98	349	5.89	273	6.91	-	-	6	6.72	-	-	50	6.93
Punch-press operators .....	444	6.14	388	5.73	272	6.69	-	-	-	-	69	6.96	34	6.93
Class A .....	227	6.63	229	6.14	186	6.85	-	-	-	-	-	-	28	6.94
Class B .....	217	5.64	159	5.15	86	6.35	-	-	-	-	16	6.54	-	-
Template makers .....	96	6.63	117	6.91	100	7.49	-	-	-	-	28	7.87	-	-
Welders, hand .....	1,633	6.60	1,368	6.53	2,758	7.09	-	-	94	6.77	159	6.91	282	7.57
Class A .....	1,009	6.92	891	6.87	1,789	7.84	-	-	50	6.85	93	7.38	252	7.62
Class B .....	624	6.08	477	5.91	969	5.71	51	5.89	44	6.67	66	6.25	-	-
Welders, machine .....	1,089	6.32	828	6.09	867	7.09	-	-	30	6.98	154	6.25	-	-
Arc or gas .....	1,007	6.27	689	5.94	608	7.36	-	-	-	-	112	6.36	-	-
Resistance .....	82	6.92	139	6.86	259	6.44	-	-	-	-	-	-	-	-
Welders, tack .....	316	4.62	262	5.33	169	6.92	-	-	-	-	-	-	34	7.46

See footnotes at end of table.

**Table 17. Occupational averages by size of establishment—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	United States						New England				Middle Atlantic			
	Establishments with--													
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		20-99 workers		100-249 workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Inspection and testing														
Inspectors .....	131	\$6.61	226	\$6.60	434	\$7.10	-	-	-	-	30	\$5.95	56	\$6.64
Class A .....	70	7.27	170	6.75	263	7.66	-	-	-	-	-	-	51	6.83
Class B .....	30	5.95	42	6.33	113	6.74	-	-	-	-	-	-	-	-
Class C .....	31	5.77	14	5.59	58	5.26	-	-	-	-	-	-	-	-
Recording and control														
Stock clerks .....	109	5.56	77	5.80	112	6.02	10	\$4.86	-	-	-	-	18	6.40
Material movement														
Crane operators, electric bridge .....	288	5.36	496	5.89	725	6.89	-	-	39	\$6.77	32	7.15	82	6.93
Under 20 tons .....	226	5.19	334	5.78	202	7.02	-	-	35	6.77	14	7.65	28	7.37
20 tons and over .....	44	5.67	102	5.85	257	6.94	-	-	-	-	-	-	-	-
Combination of sizes .....	-	-	60	6.61	266	6.74	-	-	-	-	-	-	-	-
Crane operators, mobile .....	136	5.82	108	5.77	168	7.29	-	-	-	-	-	-	-	-
Hook tenders .....	99	4.86	167	5.81	368	6.11	-	-	-	-	-	-	14	6.66
Truckdrivers .....	709	6.23	405	5.97	232	6.62	26	5.75	-	-	66	8.61	74	7.07
Light (under 1.5 tons) .....	52	5.46	10	4.91	14	5.63	-	-	-	-	-	-	-	-
Medium (1.5 to 4 tons) .....	129	6.71	65	5.45	17	6.23	-	-	-	-	-	-	-	-
Trailer type .....	316	6.02	207	6.31	175	6.86	13	6.01	-	-	21	6.42	37	7.58
Heavy .....	40	5.59	53	6.17	-	-	10	5.66	-	-	-	-	-	-
Combination of sizes .....	172	6.66	70	5.44	-	-	-	-	-	-	-	-	-	-
Power truck operators .....	48	5.61	60	5.56	201	7.05	-	-	-	-	-	-	-	-
Forklift operators .....	46	5.61	57	5.57	176	6.91	-	-	-	-	-	-	-	-
Power truck operators, not forklift .....	-	-	-	-	25	8.02	-	-	-	-	-	-	-	-
Custodial														
Janitors .....	107	4.29	129	4.40	175	5.10	-	-	-	-	26	4.65	15	4.26

See footnotes at end of table.

**Table 17. Occupational averages by size of establishment—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	Border States						Southeast						Southwest					
	Establishments with--																	
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		250 workers or more	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance occupations																		
Carpenters, maintenance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance .....	-	-	-	-	47	\$6.72	-	-	12	\$6.02	25	\$6.97	-	-	-	-	68	\$7.49
Machinists, maintenance .....	-	-	-	-	11	6.75	17	\$6.20	23	5.84	-	-	-	-	-	-	-	-
Processing occupations																		
Fitters, structural .....	100	\$5.76	29	\$5.89	-	-	367	6.20	417	5.79	180	6.82	502	\$7.36	224	\$6.10	890	6.91
Flame-cutting-machine operators .....	34	5.69	7	6.36	58	6.13	132	4.95	103	5.37	-	-	81	6.28	55	5.31	92	5.57
Friction-sawing machine operators .....	25	5.27	-	-	40	5.71	35	5.16	48	4.79	-	-	82	4.96	47	4.27	-	-
Grinders-chippers .....	-	-	-	-	-	-	166	3.47	-	-	-	-	192	4.63	-	-	93	4.10
Helpers, general mechanic .....	-	-	61	4.01	-	-	112	3.63	84	4.50	-	-	-	-	-	-	-	-
Helpers, power-brake .....	23	4.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helpers, power-shear .....	18	5.51	-	-	-	-	-	-	42	4.09	-	-	36	3.67	25	3.43	-	-
Helpers, punch-press .....	-	-	-	-	-	-	-	-	21	4.58	-	-	-	-	-	-	-	-
Lay-out men, structural steel .....	68	6.46	-	-	-	-	235	5.61	86	5.83	-	-	57	6.77	141	6.24	-	-
Mechanics, general (production) .....	-	-	-	-	-	-	194	5.60	-	-	-	-	-	-	-	-	-	-
Milling-machine operators .....	-	-	-	-	-	-	-	-	7	5.37	-	-	-	-	-	-	-	-
Painters, rough, brush .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Painters, rough, spray .....	26	5.20	23	5.59	60	5.50	203	4.45	91	4.66	26	5.30	106	5.50	46	5.08	117	7.21
Planer operators, edge or rotary .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	22	5.84	7	5.61	-	-	22	5.02	28	5.59	-	-	69	5.50	26	4.41	27	6.24
Power-shear operators .....	29	5.20	14	5.61	26	5.69	82	5.02	99	4.86	30	7.04	107	5.46	68	4.56	-	-
Punch-press operators .....	35	4.21	-	-	30	5.67	104	5.14	117	5.20	14	5.57	58	5.86	65	4.74	107	6.00
Class A .....	-	-	-	-	-	-	58	5.28	82	5.39	11	5.64	35	6.14	28	5.25	81	6.06
Class B .....	35	4.21	-	-	22	5.69	46	4.97	35	4.77	-	-	23	5.44	37	4.36	-	-
Template makers .....	-	-	-	-	-	-	16	5.02	45	6.03	-	-	-	-	11	6.61	21	6.20
Welders, hand .....	97	5.30	46	5.92	408	5.40	166	5.55	184	5.34	155	6.83	478	6.80	190	5.27	1,148	7.20
Class A .....	-	-	37	6.15	-	-	126	5.24	86	5.79	-	-	380	7.19	78	5.31	-	-
Class B .....	68	4.92	-	-	-	-	-	-	98	4.95	-	-	98	5.31	112	5.24	-	-
Welders, machine .....	-	-	-	-	-	-	230	5.10	260	5.08	-	-	186	6.79	94	5.84	-	-
Arc or gas .....	-	-	-	-	-	-	230	5.10	255	5.08	-	-	186	6.79	53	6.30	-	-
Resistance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welders, tack .....	-	-	-	-	-	-	115	4.22	110	3.89	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 17. Occupational averages by size of establishment—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	Border States						Southeast						Southwest					
	Establishments with--																	
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		250 workers or more	
	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings	Number of work-ers	Average hourly earn-ings
Inspection and testing																		
Inspectors .....	-	-	-	-	87	\$6.21	28	\$6.68	67	\$6.21	46	\$6.79	24	\$7.84	37	\$6.74	104	\$6.19
Class A .....	-	-	-	-	-	-	19	6.82	47	6.47	17	8.56	24	7.84	24	7.02	58	6.66
Class B .....	-	-	-	-	-	-	7	6.79	12	6.45	12	6.44	-	-	13	6.24	-	-
Class C .....	-	-	-	-	19	5.27	-	-	-	-	-	-	-	-	-	-	-	-
Recording and control																		
Stock clerks .....	-	-	-	-	38	5.53	26	5.25	15	5.02	9	5.95	27	5.50	12	5.27	34	5.84
Material movement																		
Crane operators, electric bridge .....	47	\$5.55	40	\$5.21	146	5.71	100	4.32	82	5.04	46	5.88	50	4.92	77	4.98	74	6.12
Under 20 tons .....	-	-	40	5.21	-	-	93	4.16	58	5.03	-	-	44	4.87	42	4.76	-	-
20 tons and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52	6.10
Combination of sizes .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crane operators, mobile .....	-	-	-	-	-	-	42	4.21	53	5.21	9	5.73	-	-	7	5.05	116	7.45
Hook tenders .....	-	-	-	-	114	5.14	-	-	42	4.96	-	-	-	-	45	5.43	114	6.09
Truckdrivers .....	86	5.28	36	5.49	40	5.24	148	4.80	84	4.78	-	-	167	5.32	78	4.75	99	6.46
Light (under 1.5 tons) .....	-	-	-	-	-	-	-	-	-	-	-	-	29	4.60	-	-	-	-
Medium (1.5 to 4 tons) .....	-	-	-	-	-	-	-	-	-	-	-	-	44	5.90	18	4.13	-	-
Trailer type .....	28	5.68	-	-	30	5.38	122	4.88	41	5.08	-	-	-	-	-	-	72	6.72
Heavy .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination of sizes .....	-	-	-	-	-	-	-	-	-	-	-	-	54	5.22	-	-	-	-
Power truck operators .....	-	-	-	-	-	-	17	4.55	-	-	-	-	-	-	7	4.09	29	6.59
Forklift operators .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	4.09	-	-
Power truck operators, not forklift .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custodial																		
Janitors .....	12	4.36	-	-	55	4.22	42	4.15	45	3.96	15	4.36	16	3.75	22	3.77	43	4.31

See footnotes at end of table.

**Table 17. Occupational averages by size of establishment—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	Great Lakes						Middle West				Mountain				Pacific			
	Establishments with--																	
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		20-99 workers		100-249 workers		20-99 workers		250 workers or more	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance occupations																		
Carpenters, maintenance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance .....	17	\$7.73	22	\$7.03	-	-	-	-	11	\$7.28	-	-	15	\$7.10	-	-	-	-
Machinists, maintenance .....	-	-	19	7.54	27	\$8.50	-	-	-	-	-	-	6	6.70	-	-	-	-
Processing occupations																		
Fitters, structural .....	178	7.37	214	7.04	-	-	62	\$7.27	97	7.46	-	-	109	7.35	145	\$9.10	86	\$9.51
Flame-cutting-machine operators .....	51	6.76	60	7.07	-	-	18	6.55	20	6.67	-	-	19	6.79	-	-	-	-
Friction-sawing machine operators .....	26	6.83	28	6.30	-	-	12	6.81	16	6.62	10	\$7.60	24	6.27	-	-	-	-
Grinders-chippers .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helpers, general mechanic .....	64	5.38	142	5.41	-	-	-	-	106	5.36	-	-	-	-	-	-	-	-
Helpers, power-brake .....	-	-	-	-	-	-	6	5.79	-	-	-	-	-	-	-	-	-	-
Helpers, power-shear .....	-	-	11	7.72	-	-	12	5.86	-	-	-	-	-	-	-	-	-	-
Helpers, punch-press .....	17	5.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lay-out men, structural steel .....	80	8.22	91	6.79	-	-	46	7.71	39	6.16	69	7.51	97	7.07	97	8.71	-	-
Mechanics, general (production) .....	258	7.42	153	6.54	223	7.56	-	-	-	-	-	-	37	6.48	-	-	-	-
Milling-machine operators .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Painters, rough, brush .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Painters, rough, spray .....	127	7.16	70	6.24	93	7.31	27	5.74	28	6.39	16	7.14	23	6.38	47	7.84	13	8.57
Planer operators, edge or rotary .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	-	-	22	7.83	42	7.48	6	6.86	7	6.92	-	-	11	6.77	-	-	-	-
Power-shear operators .....	28	7.84	44	6.96	-	-	21	6.70	26	6.90	12	6.57	20	6.78	8	7.29	-	-
Punch-press operators .....	113	7.27	101	5.70	-	-	9	6.95	14	6.55	-	-	19	6.47	16	7.58	-	-
Class A .....	64	7.61	39	6.30	-	-	7	6.65	6	6.79	-	-	12	6.53	-	-	-	-
Class B .....	49	6.84	62	5.33	-	-	-	-	8	6.38	-	-	7	6.36	14	7.56	-	-
Template makers .....	10	7.76	26	7.98	-	-	-	-	10	7.24	-	-	-	-	-	-	-	-
Welders, hand .....	381	7.03	344	6.90	409	7.10	87	6.82	143	6.63	151	6.56	67	6.45	31	7.84	-	-
Class A .....	243	7.23	252	7.05	328	7.13	-	-	87	6.71	50	7.21	-	-	20	8.03	-	-
Class B .....	138	6.67	92	6.51	81	6.98	51	6.49	56	6.51	101	6.24	36	6.53	11	7.50	-	-
Welders, machine .....	21	6.93	46	5.93	-	-	-	-	31	6.57	-	-	-	-	197	8.79	153	9.30
Arc or gas .....	21	6.93	46	5.93	-	-	-	-	31	6.57	-	-	-	-	165	8.88	-	-
Resistance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welders, tack .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 17. Occupational averages by size of establishment—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by size of establishment, United States and selected regions, November 1979)

Occupation	Great Lakes						Middle West				Mountain				Pacific			
	Establishments with--																	
	20-99 workers		100-249 workers		250 workers or more		20-99 workers		100-249 workers		20-99 workers		100-249 workers		20-99 workers		250 workers or more	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Inspection and testing																		
Inspectors .....	11	\$7.05	35	\$6.75	31	\$7.74	13	\$7.45	13	\$7.33	-	-	6	\$7.49	-	-	21	\$9.62
Class A .....	-	-	28	6.51	22	8.11	10	7.46	-	-	-	-	6	7.49	-	-	-	-
Class B .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Class C .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recording and control																		
Stock clerks .....	6	7.56	18	6.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Material movement																		
Crane operators, electric bridge .....	30	6.86	120	6.09	154	7.32	20	5.85	26	6.58	-	-	30	6.08	-	-	-	-
Under 20 tons .....	25	6.85	91	5.92	-	-	9	5.85	14	6.36	-	-	26	6.09	-	-	-	-
20 tons and over .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination of sizes .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Crane operators, mobile .....	-	-	17	5.86	-	-	-	-	10	6.29	-	-	14	6.96	-	-	-	-
Hook tenders .....	11	4.92	42	6.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Truckdrivers .....	103	7.81	58	6.74	-	-	34	7.92	32	7.32	58	\$6.76	17	6.05	21	\$8.72	-	-
Light (under 1.5 tons) .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medium (1.5 to 4 tons) .....	24	8.02	-	-	-	-	-	-	-	-	-	-	8	5.89	-	-	-	-
Trailer type .....	48	7.95	25	6.87	-	-	17	8.32	17	8.34	18	6.90	-	-	-	-	-	-
Heavy .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination of sizes .....	-	-	29	6.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power truck operators .....	-	-	13	6.48	98	6.86	-	-	-	-	-	-	10	6.03	-	-	-	-
Forklift operators .....	-	-	13	6.48	98	6.86	-	-	-	-	-	-	10	6.03	-	-	-	-
Power truck operators, not forklift .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custodial																		
Janitors .....	-	-	21	5.39	31	6.90	-	-	12	4.82	-	-	9	5.27	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

**Table 18. Occupational averages by union contract coverage**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by union contract coverage, United States and selected regions, November 1979)

Occupation	United States				New England				Middle Atlantic				Border States				Southeast			
	Establishments with--																			
	Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance occupations																				
Carpenters, maintenance .....	24	\$7.76	-	-	-	-	-	-	13	\$7.99	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance .....	217	7.78	178	\$7.04	8	\$7.17	-	-	63	8.01	-	-	33	\$7.16	27	\$6.34	-	-	31	\$6.62
Machinists, maintenance .....	231	7.75	94	7.44	15	6.80	-	-	86	8.23	-	-	18	6.85	-	-	29	\$6.64	26	6.03
Processing occupations																				
Fitters, structural .....	2,940	7.34	2,670	6.79	195	6.54	-	-	794	7.99	134	\$6.69	224	6.11	45	6.46	116	6.17	848	6.13
Flame-cutting-machine operators .....	714	6.96	468	5.70	24	6.91	-	-	207	7.74	-	-	-	-	44	5.74	86	5.44	172	5.02
Friction-sawing machine operators .....	259	6.52	285	5.17	14	6.76	-	-	32	7.17	-	-	-	-	40	5.44	34	5.33	49	4.68
Grinders-chippers .....	219	6.52	515	4.26	-	-	-	-	67	7.85	-	-	-	-	-	-	-	-	203	3.79
Helpers, general mechanic .....	1,784	5.67	662	4.41	82	4.79	-	-	754	6.15	19	4.78	131	4.10	-	-	-	-	346	3.92
Helpers, power-brake .....	53	6.87	72	4.48	-	-	-	-	-	-	7	5.21	-	-	21	4.78	-	-	9	4.37
Helpers, power-shear .....	75	6.81	224	4.38	-	-	-	-	16	8.44	-	-	-	-	19	5.60	-	-	98	4.28
Helpers, punch-press .....	92	6.42	85	4.67	-	-	-	-	16	7.79	-	-	-	-	-	-	-	-	43	4.77
Lay-out men, structural steel .....	1,177	7.56	855	6.13	120	7.24	40	\$6.82	283	7.89	-	-	67	6.90	149	5.97	101	6.02	225	5.53
Mechanics, general (production) .....	1,237	7.33	744	6.85	66	5.09	25	6.36	162	7.81	61	7.39	50	6.17	-	-	-	-	153	5.55
Milling-machine operators .....	98	7.45	57	6.24	-	-	-	-	45	7.66	-	-	-	-	16	5.75	-	-	8	5.18
Painters, rough, spray .....	744	6.79	707	5.40	43	5.91	16	5.67	138	7.35	38	5.88	68	5.52	41	5.33	43	5.42	277	4.45
Planer operators, edge or rotary .....	56	6.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	199	7.26	206	5.78	-	-	-	-	42	8.25	-	-	15	6.05	22	6.01	20	5.95	41	5.76
Power-shear operators .....	482	7.00	527	5.46	7	6.53	-	-	159	7.36	9	5.43	32	5.39	37	5.54	-	-	184	5.27
Punch-press operators .....	704	6.57	412	5.35	-	-	24	6.22	143	7.39	7	4.98	34	5.11	36	4.78	80	5.24	155	5.17
Class A .....	415	6.90	228	5.81	-	-	-	-	105	7.40	-	-	-	-	-	-	50	5.32	101	5.39
Class B .....	289	6.09	184	4.79	-	-	-	-	38	7.38	-	-	33	5.07	27	4.49	30	5.11	54	4.78
Template makers .....	180	7.68	133	6.11	-	-	-	-	71	8.06	-	-	-	-	9	6.25	-	-	47	5.98
Welders, hand .....	2,967	7.09	2,858	6.53	215	6.72	106	6.18	711	8.38	56	6.09	-	-	189	5.42	112	5.68	393	5.92
Class A .....	2,000	7.50	1,744	7.16	79	7.04	60	6.39	635	8.52	-	-	-	-	39	6.34	106	5.67	202	6.60
Class B .....	967	6.25	1,114	5.54	136	6.53	46	5.92	76	7.19	-	-	-	-	150	5.17	-	-	191	5.20
Welders, machine .....	1,879	6.84	921	5.77	119	6.06	-	-	340	6.60	146	6.13	272	5.29	-	-	151	5.84	385	4.99
Arc or gas .....	1,465	6.84	855	5.78	119	6.06	-	-	-	-	128	6.10	234	5.25	-	-	151	5.84	380	4.99
Resistance .....	414	6.81	66	5.60	-	-	-	-	105	6.73	-	-	38	5.54	-	-	-	-	-	-
Welders, tack .....	267	6.88	480	4.56	23	5.09	-	-	79	8.17	-	-	-	-	50	4.91	44	5.66	198	3.89

See footnotes at end of table.

**Table 18. Occupational averages by union contract coverage—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by union contract coverage, United States and selected regions, November 1979)

Occupation	United States				New England				Middle Atlantic				Border States				Southeast			
	Establishments with--																			
	Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Inspection and testing																				
Inspectors .....	466	\$7.17	332	\$6.43	30	\$6.66	-	-	139	\$7.57	-	-	82	\$6.28	-	-	22	\$6.46	119	\$6.50
Class A .....	332	7.38	172	7.13	15	6.94	-	-	122	7.83	-	-	-	-	-	-	19	6.37	64	7.16
Class B .....	96	6.86	90	6.16	15	6.39	-	-	-	-	-	-	-	-	-	-	-	-	28	6.47
Class C .....	38	6.15	70	5.05	-	-	-	-	-	-	-	-	19	5.24	-	-	-	-	27	4.96
Recording and control																				
Stock clerks .....	158	6.12	140	5.43	11	5.38	-	-	50	6.36	-	-	-	-	-	-	26	5.87	24	4.70
Material movement																				
Crane operators, electric bridge .....	993	6.77	516	5.32	45	6.75	-	-	265	7.52	-	-	128	5.70	105	\$5.45	60	5.61	168	4.64
Under 20 tons .....	459	6.59	303	4.94	33	6.68	-	-	71	7.75	-	-	32	4.98	73	5.56	-	-	130	4.42
20 tons and over .....	240	7.07	163	5.72	-	-	-	-	100	7.71	-	-	-	-	-	-	-	-	24	5.72
Combination of sizes .....	294	6.79	-	-	-	-	-	-	94	7.16	-	-	-	-	-	-	-	-	-	-
Crane operators, mobile .....	128	6.47	284	6.38	-	-	-	-	9	7.79	-	-	-	-	-	-	10	6.04	94	4.72
Hook tenders .....	404	6.14	230	5.30	-	-	-	-	35	7.04	-	-	-	-	-	-	-	-	-	-
Truckdrivers .....	569	7.21	792	5.51	42	6.28	9	\$6.06	146	7.91	34	\$7.05	49	5.21	113	5.36	52	5.44	200	4.71
Light (under 1.5 tons) .....	28	6.51	49	4.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	4.96
Medium (1.5 to 4 tons) .....	74	7.33	140	5.75	-	-	-	-	17	7.34	-	-	-	-	-	-	-	-	-	-
Trailer type .....	313	7.03	391	5.72	17	7.29	-	-	60	7.37	-	-	40	5.22	44	5.63	46	5.44	132	4.87
Heavy .....	48	6.56	56	5.49	11	5.77	-	-	-	-	-	-	-	-	-	-	-	-	21	4.08
Combination of sizes .....	106	8.12	156	5.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power truck operators .....	236	6.73	73	5.91	-	-	-	-	53	7.38	-	-	-	-	-	-	26	4.87	18	5.46
Forklift operators .....	218	6.63	61	5.69	-	-	-	-	41	7.12	-	-	-	-	-	-	24	4.81	17	5.54
Power truck operators, not forklift .....	18	7.99	-	-	-	-	-	-	12	8.25	-	-	-	-	-	-	-	-	-	-
Custodial																				
Janitors .....	204	5.18	213	4.17	-	-	-	-	48	5.52	11	4.50	39	4.37	-	-	27	4.26	75	4.04

See footnotes at end of table.



**Table 18. Occupational averages by union contract coverage—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by union contract coverage, United States and selected regions, November 1979)

Occupation	Southwest				Great Lakes				Middle West				Mountain				Pacific	
	Establishments with--																	
	Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered	
	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings	Number of work-ers	Average hourly earnings
Maintenance occupations																		
Carpenters, maintenance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance .....	-	-	87	\$7.49	57	\$8.35	-	-	15	\$7.53	13	\$7.07	16	\$7.11	-	-	6	\$9.15
Machinists, maintenance .....	-	-	-	-	65	8.20	-	-	10	7.69	10	7.57	8	6.99	-	-	-	-
Processing occupations																		
Fitters, structural .....	349	\$6.13	1,269	7.16	621	7.37	42	\$7.51	219	7.34	187	6.85	201	7.57	68	\$7.55	221	9.25
Flame-cutting-machine operators .....	67	4.95	161	6.10	147	7.23	13	6.30	48	7.02	37	6.27	26	6.64	-	-	54	9.03
Friction-sawing machine operators .....	-	-	142	4.78	50	6.69	13	6.89	24	6.90	7	6.23	28	6.43	9	7.25	16	8.08
Grinders-chippers .....	-	-	289	4.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Helpers, general mechanic .....	-	-	-	-	276	5.90	-	-	183	5.65	36	5.70	18	5.66	-	-	-	-
Helpers, power-brake .....	-	-	29	3.95	20	6.86	-	-	9	5.71	-	-	-	-	-	-	-	-
Helpers, power-shear .....	-	-	95	4.09	25	6.95	-	-	16	5.88	-	-	-	-	-	-	-	-
Helpers, punch-press .....	-	-	26	4.12	47	6.17	-	-	8	5.79	-	-	-	-	-	-	-	-
Lay-out men, structural steel .....	28	6.73	319	5.96	175	7.29	30	9.08	74	7.48	-	-	130	7.16	41	7.61	199	8.96
Mechanics, general (production) .....	-	-	152	7.43	567	7.23	-	-	-	-	-	-	75	8.21	-	-	-	-
Milling-machine operators .....	-	-	-	-	-	-	-	-	7	6.86	-	-	-	-	-	-	-	-
Painters, rough, spray .....	19	5.67	250	6.21	272	7.00	-	-	62	6.56	44	5.03	36	6.72	-	-	63	8.17
Planer operators, edge or rotary .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power-brake operators .....	-	-	114	5.48	66	7.63	-	-	10	7.02	6	6.92	16	6.72	-	-	-	-
Power-shear operators .....	-	-	216	5.27	140	7.42	-	-	49	6.81	41	6.03	28	6.68	7	6.76	-	-
Punch-press operators .....	98	5.77	132	5.49	239	6.69	-	-	28	6.72	18	5.34	26	6.62	-	-	51	8.15
Class A .....	63	5.88	81	5.95	125	7.25	-	-	18	6.81	-	-	17	6.70	-	-	34	8.46
Class B .....	-	-	51	4.76	114	6.06	-	-	10	6.55	15	5.15	9	6.48	-	-	17	7.52
Template makers .....	-	-	51	5.85	47	8.04	-	-	13	7.35	-	-	-	-	-	-	13	9.39
Welders, hand .....	179	6.77	1,638	6.91	1,027	7.11	133	6.24	194	6.74	220	6.35	120	6.93	115	6.26	47	8.28
Class A .....	-	-	1,233	7.42	756	7.20	87	6.49	69	6.90	80	6.52	71	7.06	-	-	41	8.35
Class B .....	39	5.84	405	5.34	271	6.86	46	5.76	125	6.66	140	6.25	49	6.74	95	6.16	6	7.74
Welders, machine .....	-	-	279	6.49	-	-	-	-	96	7.00	-	-	146	7.26	-	-	417	8.96
Arc or gas .....	-	-	238	6.71	-	-	-	-	90	7.08	-	-	144	7.26	-	-	265	8.89
Resistance .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	152	9.08
Welders, tack .....	-	-	-	-	51	6.49	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 18. Occupational averages by union contract coverage—Continued**

(Number and average straight-time hourly earnings<sup>1</sup> of production workers in selected occupations in fabricated structural metal establishments, by union contract coverage, United States and selected regions, November 1979)

Occupation	Southwest				Great Lakes				Middle West				Mountain				Pacific	
	Establishments with--																	
	Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered		None or a minority covered		Majority covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Inspection and testing																		
Inspectors .....	35	\$6.37	130	\$6.60	72	\$7.22	-	-	47	\$7.51	-	-	-	-	-	-	22	\$9.57
Class A .....	30	6.25	76	7.31	49	7.27	-	-	30	7.61	-	-	-	-	-	-	-	-
Class B .....	-	-	34	5.92	13	6.85	-	-	-	-	-	-	-	-	-	-	-	-
Class C .....	-	-	-	-	10	7.43	-	-	-	-	-	-	-	-	-	-	-	-
Recording and control																		
Stock clerks .....	-	-	73	5.62	30	6.19	-	-	-	-	-	-	7	\$6.32	-	-	-	-
Material movement																		
Crane operators, electric bridge .....	44	5.86	157	5.25	290	6.80	14	\$6.61	92	6.89	28	\$6.24	42	6.40	-	-	-	-
Under 20 tons .....	24	5.88	70	4.63	213	6.85	-	-	27	6.37	12	6.14	26	6.09	-	-	-	-
20 tons and over .....	-	-	87	5.76	47	6.59	-	-	15	6.58	-	-	-	-	-	-	-	-
Combination of sizes .....	-	-	-	-	30	6.77	-	-	-	-	-	-	-	-	-	-	-	-
Crane operators, mobile .....	-	-	133	7.38	21	6.01	-	-	11	6.20	-	-	18	7.09	-	-	7	7.51
Hook tenders .....	-	-	85	6.50	83	6.64	-	-	30	6.27	-	-	-	-	-	-	-	-
Truckdrivers .....	17	5.70	327	5.51	151	7.53	23	7.36	49	8.21	32	5.95	25	6.39	53	\$6.71	38	9.15
Light (under 1.5 tons) .....	-	-	30	4.63	-	-	-	-	7	8.11	-	-	-	-	-	-	-	-
Medium (1.5 to 4 tons) .....	-	-	59	5.40	24	7.75	-	-	-	-	-	-	12	6.27	-	-	12	8.91
Trailer type .....	11	5.84	147	5.98	73	7.80	-	-	37	8.24	10	5.59	10	6.66	14	6.82	19	9.07
Heavy .....	-	-	-	-	-	-	-	-	-	-	18	6.10	-	-	-	-	-	-
Combination of sizes .....	-	-	82	4.98	47	7.06	-	-	-	-	-	-	-	-	-	-	-	-
Power truck operators .....	-	-	39	6.14	113	6.79	-	-	-	-	-	-	15	6.14	-	-	15	8.31
Forklift operators .....	-	-	28	5.70	113	6.79	-	-	-	-	-	-	15	6.14	-	-	-	-
Power truck operators, not forklift .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custodial																		
Janitors .....	-	-	68	4.10	55	6.19	-	-	11	4.92	21	4.69	6	5.53	6	4.49	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

**Table 19. Method of wage payment**(Percent of production workers in fabricated structural metal establishments by method of wage payment,<sup>1</sup> United States and selected regions and areas, November 1979)

Method	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
All workers .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Time-rated workers .....	96	100	86	98	97	100	97	92	100	100	99	93	100	100	86
Formal plans .....	81	95	86	85	69	70	93	80	95	91	80	87	95	100	25
Single rate .....	37	46	70	9	35	14	56	3	58	50	59	16	2	87	17
Range of rates .....	44	49	16	75	34	56	38	77	37	41	22	71	93	13	8
Merit review .....	14	10	15	18	6	16	3	49	13	10	2	3	52	11	-
Automatic progression based on length of service .....	14	11	( <sup>2</sup> )	35	7	8	20	25	11	28	18	5	26	1	-
Combination .....	17	28	( <sup>2</sup> )	23	20	31	15	3	13	3	1	63	16	-	8
Individual rates .....	19	5	( <sup>2</sup> )	13	18	30	4	12	5	9	19	6	5	-	61
Incentive workers .....	4	-	14	2	3	-	3	8	-	-	1	7	-	-	14
Individual piecework .....	( <sup>2</sup> )	-	2	-	( <sup>2</sup> )	-	( <sup>2</sup> )	-	-	-	1	-	-	-	-
Group piecework .....	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Individual bonus .....	1	-	3	-	-	-	2	-	-	-	-	-	-	-	-
Group bonus .....	2	-	4	2	3	-	1	8	-	-	-	7	-	-	14

<sup>1</sup> For definition of method of wage payment, see appendix A.<sup>2</sup> Less than 0.5 percent.

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

**Table 20. Scheduled weekly hours**

(Percent of production workers in fabricated structural metal establishments by scheduled weekly hours,<sup>1</sup> United States and selected regions and areas, November 1979)

Weekly hours	United States	Regions						
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West
All workers .....	100	100	100	100	100	100	100	100
40 hours .....	77	95	90	79	74	49	92	59
Over 40 and under 45 hours .....	1	-	-	-	3	-	-	10
45 hours .....	11	-	10	12	4	22	5	31
Over 45 hours .....	11	5	( <sup>2</sup> )	9	18	29	3	-
		Regions		Areas				
		Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
All workers .....	100	100	100	100	100	100	100	100
40 hours .....	96	100	90	70	15	92	40	
Over 40 and under 45 hours .....	-	-	4	-	-	-	-	
45 hours .....	4	-	6	6	42	6	17	
Over 45 hours .....	-	-	-	25	43	2	43	

<sup>1</sup> Data relate to the predominant schedule for full-time day-shift workers in each establishment.

<sup>2</sup> Less than 0.5 percent.

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

**Table 21. Shift differential provisions**

(Percent of production workers in fabricated structural metal establishments by shift differential provisions,<sup>1</sup> United States and selected regions and areas, November 1979)

Shift differential	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birming-ham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
<b>Second shift</b>															
Workers in establishments with second-shift provisions .....	76.1	81.4	98.2	82.5	60.2	55.5	91.4	73.8	82.9	84.4	69.6	73.3	66.3	84.8	39.6
With shift differential .....	73.0	81.4	98.2	82.5	56.2	50.3	91.0	67.4	82.9	66.6	69.6	69.8	66.3	84.8	18.6
Uniform cents per hour .....	60.7	35.1	83.4	76.3	50.4	38.6	90.0	50.7	54.6	36.0	59.3	60.6	66.3	52.7	10.6
5 cents .....	1.1	-	-	-	-	1.4	-	-	14.9	-	-	-	10.7	-	-
7 cents .....	.8	-	-	-	-	-	5.0	-	-	-	-	-	-	-	-
8 cents .....	.2	-	-	.6	-	-	-	2.6	-	-	-	-	-	-	-
9 cents .....	.9	-	-	-	5.0	-	-	-	-	-	42.0	-	-	-	-
10 cents .....	7.0	12.1	6.5	9.1	14.6	-	9.6	6.3	2.9	-	10.1	9.9	-	-	-
12 cents .....	1.3	-	3.3	6.3	-	-	-	-	4.0	-	-	-	-	-	-
13 cents .....	.4	-	-	-	-	-	-	-	7.0	-	-	-	-	-	-
15 cents .....	13.7	7.0	28.4	20.5	8.3	7.2	19.4	3.0	16.1	-	-	12.6	14.1	-	-
16 cents .....	1.8	-	-	-	10.3	-	-	-	-	-	-	-	-	-	-
17 cents .....	1.3	-	-	14.3	-	-	-	-	-	-	-	-	-	-	-
20 cents .....	13.0	-	15.5	8.3	2.0	7.1	44.2	13.8	-	-	-	5.7	-	-	10.6
Over 20 and under 25 cents .....	.7	-	-	1.9	-	-	-	-	-	11.5	-	-	-	-	-
25 cents .....	10.3	10.2	15.8	-	9.4	14.5	5.9	16.8	-	14.4	-	30.8	28.4	29.8	-
Over 25 and under 30 cents .....	2.2	-	6.2	-	.9	-	3.9	-	-	10.1	7.3	-	-	-	-
30 cents .....	2.9	-	7.7	15.3	-	1.2	-	-	-	-	-	-	8.8	22.9	-
35 cents .....	( <sup>2</sup> )	-	-	-	-	-	.2	-	-	-	-	1.6	-	-	-
Over 35 cents .....	3.1	5.8	-	-	-	7.2	1.9	8.3	9.7	-	-	-	4.3	-	-
Uniform percentage .....	7.7	41.8	7.4	6.2	4.5	11.7	1.1	5.3	6.9	2.8	-	9.3	-	-	8.0
5 percent .....	1.8	20.0	3.9	2.3	-	-	-	-	-	2.8	-	-	-	-	-
Over 5 and under 10 percent .....	3.1	-	3.5	-	-	11.7	-	-	-	-	-	-	-	-	-
10 percent .....	2.9	21.8	-	3.8	4.5	-	1.1	5.3	6.9	-	-	9.3	-	-	8.0
Other formal paid differential .....	4.6	4.4	7.3	-	1.2	-	-	11.3	21.4	27.9	10.3	-	-	32.1	-
<b>Third shift</b>															
Workers in establishments with third-shift provisions .....	48.4	49.5	88.4	51.9	22.4	18.9	70.1	28.9	62.8	79.5	49.3	49.9	26.3	74.4	-
With shift differential .....	47.6	49.5	88.4	51.9	22.4	18.9	70.1	28.9	62.8	61.8	49.3	49.9	26.3	74.4	-
Uniform cents per hour .....	36.7	22.3	73.4	34.3	17.4	15.8	69.0	17.6	32.1	22.4	7.3	40.7	26.3	40.4	-
Under 10 cents .....	.8	-	-	-	-	-	5.0	-	-	-	-	-	-	-	-
10 cents .....	1.2	-	2.3	-	-	-	2.6	3.7	2.7	-	-	6.9	-	-	-
14 cents .....	.7	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-
15 cents .....	5.3	12.1	11.2	3.9	2.2	-	12.4	-	5.6	-	-	-	-	-	-
17 cents .....	.6	-	-	-	-	-	-	-	11.0	-	-	-	-	-	-
18 cents .....	.1	-	-	-	-	-	.3	-	-	-	-	2.9	-	-	-
20 cents .....	5.8	-	19.5	5.8	-	-	11.1	5.6	3.0	-	-	-	-	-	-
Over 20 and under 25 cents .....	3.1	-	-	14.3	10.3	-	-	-	-	-	-	-	-	-	-
25 cents .....	7.8	5.0	4.7	-	4.0	10.7	24.4	-	-	-	-	-	26.3	17.5	-
Over 25 and under 30 cents .....	1.4	-	-	1.9	-	-	7.5	-	-	-	-	30.8	-	-	-
30 cents .....	3.3	5.2	11.1	8.3	-	-	3.9	-	-	-	-	-	-	-	-
Over 30 cents .....	6.8	-	20.5	-	.9	5.2	1.9	8.3	9.7	22.4	7.3	-	-	22.9	-

See footnotes at end of table.

**Table 21. Shift differential provisions —Continued**(Percent of production workers in fabricated structural metal establishments by shift differential provisions,<sup>1</sup> United States and selected regions and areas, November 1979)

Shift differential	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Uniform percentage .....	2.5	22.7	7.4	2.3	-	-	1.1	-	-	-	-	9.3	-	-	-
5 percent .....	.6	-	3.9	-	-	-	-	-	-	-	-	-	-	-	-
Over 5 and under 10 percent .....	1.1	9.5	3.5	2.3	-	-	-	-	-	-	-	-	-	-	-
10 percent .....	.7	13.2	-	-	-	-	1.1	-	-	-	-	9.3	-	-	-
Other formal paid differential .....	8.4	4.4	7.5	15.3	5.0	3.1	-	11.3	30.8	39.3	42.0	-	-	34.1	-

<sup>1</sup> Refers to policies of establishments currently operating late shifts or having provisions covering late shifts.

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

<sup>2</sup> Less than 0.05 percent.

**Table 22. Shift differential practices**

(Percent of production workers in fabricated structural metal establishments employed on late shifts by amount of pay differential, United States and selected regions and areas, November 1979)

Shift differential	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
<b>Second shift</b>															
Workers employed on second shift .....	13.7	10.9	12.3	19.1	8.7	12.9	18.1	15.1	16.2	13.0	9.5	13.6	8.8	3.2	10.5
Receiving differential .....	12.7	10.9	12.3	19.1	6.9	10.7	18.0	13.4	16.2	9.7	9.5	13.0	8.8	3.2	1.4
Uniform cents per hour .....	11.3	1.5	11.2	19.1	6.6	10.0	18.0	10.3	11.6	6.5	7.6	13.0	8.8	3.2	1.4
5 cents .....	.3	-	-	-	-	.1	-	-	4.4	-	-	-	.7	-	-
7 cents .....	.2	-	-	-	-	-	1.1	-	-	-	-	-	-	-	-
8 cents .....	.1	-	-	.2	-	-	-	.8	-	-	-	-	-	-	-
9 cents .....	.1	-	-	-	.8	-	-	-	-	-	6.5	-	-	-	-
10 cents .....	.8	-	1.2	.8	1.7	-	.9	.5	.4	-	1.1	-	-	-	-
12 cents .....	.2	-	.6	1.2	-	-	-	-	-	-	-	-	-	-	-
13 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 cents .....	2.3	1.5	2.8	4.2	2.4	.8	4.0	-	2.7	-	-	-	1.3	-	-
16 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17 cents .....	.4	-	-	4.0	-	-	-	-	-	-	-	-	-	-	-
20 cents .....	3.2	-	2.9	3.6	.3	3.5	9.0	2.4	-	-	-	1.5	-	-	1.4
Over 20 and under 25 cents .....	.1	-	-	.4	-	-	-	-	-	1.3	-	-	-	-	-
25 cents .....	1.9	-	1.1	-	1.4	3.0	2.0	4.7	-	5.2	-	11.6	2.7	-	-
Over 25 and under 30 cents .....	.5	-	2.1	-	-	-	.9	-	-	-	-	-	-	-	-
30 cents .....	.6	-	.4	4.6	-	.5	-	-	-	-	-	-	3.5	3.2	-
35 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Over 35 cents .....	.8	-	-	-	-	2.2	-	1.9	4.1	-	-	-	.7	-	-
Uniform percentage .....	.9	9.4	1.2	-	.1	.7	-	.9	1.5	-	-	-	-	-	-
5 percent .....	.3	2.3	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Over 5 and under 10 percent .....	.2	-	-	-	-	.7	-	-	-	-	-	-	-	-	-
10 percent .....	.4	7.1	-	-	.1	-	-	.9	1.5	-	-	-	-	-	-
Other formal paid differential .....	.5	-	-	-	.2	-	-	2.2	3.1	3.2	1.9	-	-	-	-
<b>Third shift</b>															
Workers employed on third shift .....	1.8	-	4.5	.8	-	.9	4.5	-	.7	1.6	-	1.6	-	-	-
Receiving differential .....	1.8	-	4.5	.8	-	.9	4.5	-	.7	1.6	-	1.6	-	-	-
Uniform cents per hour .....	1.7	-	4.3	.8	-	.9	4.5	-	.1	.5	-	1.6	-	-	-
Under 10 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15 cents .....	.1	-	-	.8	-	-	-	-	-	-	-	-	-	-	-
17 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20 cents .....	.1	-	-	-	-	-	.7	-	-	-	-	-	-	-	-
Over 20 and under 25 cents .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25 cents .....	.6	-	-	-	-	( <sup>1</sup> )	3.6	-	-	-	-	-	-	-	-
Over 25 and under 30 cents .....	( <sup>1</sup> )	-	-	-	-	-	.2	-	-	-	-	1.6	-	-	-
30 cents .....	.2	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-
Over 30 cents .....	.7	-	3.1	-	-	.9	-	-	.1	.5	-	-	-	-	-

See footnotes at end of table.

**Table 22. Shift differential practices —Continued**

(Percent of production workers in fabricated structural metal establishments employed on late shifts by amount of pay differential, United States and selected regions and areas, November 1979)

Shift differential	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Uniform percentage .....	( <sup>1</sup> )	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-
5 percent .....	( <sup>1</sup> )	-	.2	-	-	-	-	-	-	-	-	-	-	-	-
Over 5 and under 10 percent .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 percent .....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other formal paid differential .....	0.1	-	-	-	-	-	-	-	0.6	1.0	-	-	-	-	-

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

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



**Table 23. Paid holidays**

(Percent of production workers in fabricated structural metal establishments with formal provisions for paid holidays, United States and selected regions and areas, November 1979)

Number of paid holidays	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
All workers .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing paid holidays .....	98	100	100	100	97	93	100	100	100	100	100	100	100	100	100
4 days .....	( <sup>1</sup> )	-	-	-	1	-	-	-	-	-	-	-	-	-	-
5 days .....	3	-	-	-	8	5	-	-	-	-	16	-	-	-	11
5 days plus 1 or 2 half days .....	( <sup>1</sup> )	-	-	-	2	-	-	-	-	1	-	-	-	-	-
6 days .....	7	-	-	5	17	14	2	5	7	3	5	11	21	-	39
6 days plus 1 or 2 or 3 half days .....	( <sup>1</sup> )	-	1	-	-	-	( <sup>1</sup> )	-	-	-	-	-	-	-	-
7 days .....	6	-	( <sup>1</sup> )	14	10	5	( <sup>1</sup> )	14	11	-	10	3	-	2	21
7 days plus 1 or 2 half days .....	1	-	( <sup>1</sup> )	-	-	3	1	2	-	-	-	-	-	3	-
8 days .....	17	12	-	39	11	41	2	8	15	12	-	-	43	-	13
8 days plus 1 or 2 half days .....	1	-	2	-	-	-	-	3	-	-	-	-	-	-	-
9 days .....	23	5	5	34	47	15	6	62	28	19	58	8	10	-	15
9 days plus 1 or 2 half days .....	1	14	-	-	-	-	-	-	-	-	-	-	-	-	-
10 days .....	18	20	19	6	( <sup>1</sup> )	11	46	3	39	51	4	49	27	-	-
10 days plus 1 or 2 half days .....	1	24	-	-	-	-	-	-	-	-	-	-	-	-	-
11 days .....	10	25	26	2	-	-	25	3	-	3	-	29	-	29	-
12 days .....	5	-	24	-	1	-	6	-	-	11	7	-	-	-	-
13 days .....	3	-	10	-	-	-	11	-	-	-	-	-	-	35	-
14 days .....	2	-	12	-	-	-	-	-	-	-	-	-	-	31	-

<sup>1</sup> Less than 0.5 percent.

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

**Table 24. Paid vacations**

(Percent of production workers in fabricated structural metal establishments with formal provisions for paid vacations after selected periods of service, United States and selected regions and areas, November 1979)

Vacation policy	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
All workers .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
<b>Method of payment</b>															
Workers in establishments providing paid vacations .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Length-of-time payment .....	92	95	97	86	100	95	83	74	100	90	100	100	100	100	100
Percentage payment .....	8	5	3	14	-	5	17	26	-	-	-	-	-	-	-
Flat sum .....	( <sup>1</sup> )	-	-	-	-	-	-	-	-	10	-	-	-	-	-
<b>Amount of vacation pay<sup>2</sup></b>															
<b>After 1 year of service:</b>															
1 week .....	82	89	88	95	89	60	86	85	100	63	93	95	86	100	79
Over 1 and under 2 weeks .....	7	-	7	-	7	8	7	5	-	37	7	-	-	-	-
2 weeks .....	11	11	4	5	5	31	6	10	-	-	-	5	14	-	21
<b>After 2 years of service:</b>															
1 week .....	53	57	60	86	50	39	63	57	40	15	78	70	66	23	66
Over 1 and under 2 weeks .....	10	-	21	2	11	9	7	3	17	21	13	-	2	6	-
2 weeks .....	36	43	19	12	39	52	27	38	43	65	10	30	32	71	34
Over 2 and under 3 weeks .....	1	-	-	-	-	-	3	3	-	-	-	-	-	-	-
<b>After 3 years of service:</b>															
1 week .....	11	-	2	18	40	7	1	5	3	1	46	-	15	-	44
Over 1 and under 2 weeks .....	6	-	14	2	8	9	2	-	4	-	6	-	2	-	-
2 weeks .....	80	100	80	80	51	84	92	90	81	99	41	100	83	100	56
Over 2 and under 3 weeks .....	2	-	-	-	1	-	5	5	12	-	7	-	-	-	-
3 weeks .....	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
<b>After 5 years of service:</b>															
1 week .....	2	-	2	-	3	5	-	-	3	-	-	-	-	-	-
Over 1 and under 2 weeks .....	1	-	-	-	1	( <sup>1</sup> )	2	-	4	-	6	-	2	-	-
2 weeks .....	86	89	90	100	95	83	65	89	71	100	87	97	98	94	100
Over 2 and under 3 weeks .....	8	11	1	-	1	8	20	11	22	-	7	-	-	6	-
3 weeks .....	4	-	7	-	-	3	13	-	-	-	-	3	-	-	-
<b>After 10 years of service:</b>															
1 week .....	2	-	-	-	3	5	-	-	-	-	-	-	-	-	-
2 weeks .....	25	25	6	29	38	45	6	25	21	4	31	18	77	5	53
Over 2 and under 3 weeks .....	3	9	-	-	-	9	2	-	-	-	-	-	2	-	-
3 weeks .....	66	66	86	71	57	40	79	72	63	96	55	79	21	95	47
Over 3 and under 4 weeks .....	3	-	1	-	2	-	11	3	17	-	14	-	-	-	-
4 weeks .....	1	-	3	-	-	1	2	-	-	-	-	3	-	-	-
5 weeks .....	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
<b>After 15 years of service:</b>															
1 week .....	2	-	-	-	3	5	-	-	-	-	-	-	-	-	-
2 weeks .....	14	11	2	13	32	23	2	2	14	4	31	15	25	5	45
Over 2 and under 3 weeks .....	1	9	-	-	-	3	-	-	-	-	-	-	-	-	-
3 weeks .....	55	59	41	85	47	58	36	67	64	88	55	74	64	-	27
Over 3 and under 4 weeks .....	7	17	8	-	2	6	14	3	12	-	14	-	2	6	-
4 weeks .....	20	5	45	2	16	5	43	25	5	8	-	11	9	89	28

See footnotes at end of table.

**Table 24. Paid vacations —Continued**

(Percent of production workers in fabricated structural metal establishments with formal provisions for paid vacations after selected periods of service, United States and selected regions and areas, November 1979)

Vacation policy	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
<b>Amount of vacation pay<sup>2</sup></b>															
<b>—Continued</b>															
<b>After 15 years of service:—Continued</b>															
Over 4 and under 5 weeks .....	1	-	-	-	-	-	6	-	4	-	-	-	-	-	-
5 weeks .....	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-
Over 5 and under 6 weeks .....	( <sup>1</sup> )	-	-	-	-	-	-	3	-	-	-	-	-	-	-
<b>After 20 years of service:<sup>3</sup></b>															
1 week .....	2	-	-	-	3	5	-	-	-	-	-	-	-	-	-
2 weeks .....	13	11	2	13	30	20	2	2	11	4	31	15	25	5	34
Over 2 and under 3 weeks .....	1	9	-	-	-	3	-	-	-	-	-	-	-	-	-
3 weeks .....	25	19	12	63	24	35	15	19	31	-	13	13	64	-	38
Over 3 and under 4 weeks .....	3	29	-	-	2	5	3	3	-	-	-	-	-	-	-
4 weeks .....	45	33	58	24	39	32	51	71	41	96	48	72	9	23	28
Over 4 and under 5 weeks .....	3	-	-	-	1	( <sup>1</sup> )	13	3	17	-	7	-	2	-	-
5 weeks .....	7	-	26	-	-	-	16	-	-	-	-	-	-	72	-
Over 5 and under 6 weeks .....	( <sup>1</sup> )	-	-	-	-	-	-	3	-	-	-	-	-	-	-
6 weeks .....	( <sup>1</sup> )	-	2	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Less than 0.5 percent.

<sup>2</sup> Vacation payments, such as percent of annual earnings, were converted to an equivalent time basis. Periods of service were chosen arbitrarily and do not necessarily reflect individual establishment provisions for progression. For example, changes indicated at 10 years may

include changes that occurred between 5 and 10 years.

<sup>3</sup> Vacation provisions were virtually the same after longer periods of service.

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

**Table 25. Health, insurance, and retirement plans**

(Percent of production workers in fabricated structural metal establishments with specified health, insurance, and retirement plans,<sup>1</sup> United States and selected regions and areas, November 1979)

Type of plan	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
All workers .....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Workers in establishments providing:															
Life insurance .....	97	100	99	100	94	96	98	91	93	100	100	100	70	100	100
Noncontributory plans .....	81	100	99	90	75	57	92	75	73	100	94	95	65	100	60
Accidental death and dismemberment insurance .....	90	97	84	99	87	90	96	82	80	97	96	100	44	98	81
Noncontributory plans .....	75	97	84	89	66	50	90	70	73	97	91	95	39	98	60
Sickness and accident insurance or sick leave or both <sup>2</sup> .....	78	98	82	100	66	61	97	65	91	75	75	93	60	46	32
Sickness and accident insurance .....	70	78	78	100	53	43	97	63	73	75	70	89	34	14	29
Noncontributory plans .....	61	76	75	90	46	23	91	54	65	75	70	88	34	14	29
Sick leave (full pay, no waiting period) .....	9	26	8	8	17	4	1	2	41	3	27	3	-	46	11
Sick leave (partial pay or waiting period) .....	7	-	-	-	14	20	-	-	-	-	5	-	26	-	-
Long-term disability insurance .....	10	5	9	17	1	20	13	-	6	-	-	37	15	43	6
Noncontributory plans .....	9	5	9	15	1	17	13	-	3	-	-	37	15	43	6
Hospitalization insurance .....	99	100	100	100	100	97	100	100	97	100	100	100	80	100	100
Noncontributory plans .....	82	100	98	94	72	62	92	73	77	99	94	96	75	100	60
Surgical insurance .....	99	100	100	100	100	97	100	100	97	100	100	100	80	100	100
Noncontributory plans .....	82	100	98	94	72	62	92	73	77	99	94	96	75	100	60
Medical insurance .....	99	100	98	100	99	97	99	100	97	100	100	92	80	100	100
Noncontributory plans .....	81	100	96	94	72	62	91	73	77	99	94	88	75	100	60
Major medical insurance .....	99	100	97	100	100	97	97	100	100	100	100	94	80	95	100
Noncontributory plans .....	81	100	95	94	72	62	88	75	79	99	94	90	75	95	60
Retirement plans <sup>3</sup> .....	77	81	93	88	54	64	91	81	77	97	78	82	54	88	34
Pensions .....	76	81	93	88	54	59	91	81	77	97	78	82	54	88	34
Noncontributory plans .....	71	81	93	86	48	51	82	81	68	97	78	77	27	88	23
Severance pay .....	2	-	4	-	-	8	2	-	-	-	-	-	-	-	-
No plans .....	1	-	-	-	-	3	-	-	-	-	-	-	20	-	-

<sup>1</sup> Includes those plans for which the employer pays at least part of the cost and excludes legally required plans such as workers' compensation and social security; however, plans required by State temporary disability laws are included if the employer contributes more than is legally required or the employees receive benefits in excess of legal requirements. "Noncontributory plans" include only those plans financed entirely by the employer.

<sup>2</sup> Unduplicated total of workers receiving sickness and accident insurance and sick leave shown separately.

<sup>3</sup> Unduplicated total of workers covered by pension plans and severance pay shown separately.

**Table 26. Other selected benefits**

(Percent of production workers in fabricated structural metal establishments providing funeral leave pay, jury duty pay, technological severance pay, and cost-of-living adjustments,<sup>1</sup> United States and selected regions and areas, November 1979)

Type of benefit	United States	Regions									Areas				
		New England	Middle Atlantic	Border States	South-east	South-west	Great Lakes	Middle West	Mountain	Pacific	Birmingham	Chicago	Houston	New York-North-eastern N.J.	South Carolina
Jury duty leave .....	68	37	83	60	70	67	58	90	57	85	95	88	68	36	51
Funeral leave .....	70	84	94	76	46	55	96	84	55	39	53	92	15	84	23
Technological severance pay .....	5	12	7	5	4	-	14	4	-	-	7	-	-	19	-
<b>Cost of living adjustments</b>															
Based on BLS CPI .....	21	2	29	31	4	19	25	21	39	38	35	18	-	26	-
Other basis .....	2	9	4	-	4	4	-	-	-	-	-	-	-	-	-
Dental coverage .....	25	23	56	1	4	20	19	15	46	84	-	19	7	47	21
Separate plan, contributory .....	11	21	26	-	-	2	14	6	26	43	-	-	-	21	-
Separate plan, noncontributory .....	5	-	5	-	-	14	3	8	-	-	-	-	-	-	-
Combination plan, contributory .....	9	2	25	1	4	3	2	-	20	40	-	19	7	26	21
Combination plan, noncontributory .....	( <sup>2</sup> )	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Visual care coverage .....	15	-	31	23	1	4	16	12	-	72	7	-	-	47	-
Separate plan, contributory .....	9	-	22	21	1	-	14	3	-	27	7	-	-	21	-
Separate plan, noncontributory .....	2	-	-	2	-	4	2	9	-	-	-	-	-	-	-
Combination plan, contributory .....	4	-	10	-	-	-	-	-	-	45	-	-	-	26	-

<sup>1</sup> For definitions of these items, see appendix A.

<sup>2</sup> Less than 0.5 percent.

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

# Appendix A. Scope and Method of Survey

## Scope of survey

The survey included establishments engaged primarily in manufacturing fabricated iron and steel or other metal for structural purposes, for bridges, buildings, and sections for ships, boats, and barges (SIC 3441 as defined in the 1972 edition of the *Standard Industrial Classification Manual* prepared by the U.S. Office of Management and Budget). Separate auxiliary units such as central offices were excluded.

Establishments studied were selected from those employing 20 workers or more at the time of reference of the data used in compiling the universe lists. Table A-1 shows the number of establishments and workers estimated to be within the scope of the survey, as well as the number actually studied by the Bureau.

## Method of study

Data were obtained by personal visits of the Bureau's field representatives to a probability-based sample of establishments within the scope of the survey. To obtain appropriate accuracy at minimum cost, a greater proportion of large than of small establishments was studied. All estimates are presented, therefore, as relating to all establishments in the industry, excluding only those below the minimum size at the time of reference of the universe data.

## Establishment definition

An establishment is defined for this study as a single physical location where manufacturing operations are performed. An establishment is not necessarily identical with a company, which may consist of one establishment or more.

## Employment

Estimates of the number of workers within the scope of the study are intended as a general guide to the size and composition of the industry's labor force, rather than as precise measures of employment.

## Production workers

The terms "production workers" and "production and related workers," used interchangeably in this bulletin, include working supervisors and all nonsupervisory workers engaged in nonoffice activities. Administrative, executive, professional, and technical person-

nel, and force-account construction employees, who are used as a separate work force on the firm's own properties, are excluded. Workers of the covered establishments who were employed at a construction site away from the shop were also excluded from the production-worker data but were included in the totals shown in table A-1.

## Occupational classification

Occupational classification was based on a uniform set of job descriptions designed to take account of interestablishment and interarea variations in duties within the same job. (See appendix B for these descriptions.) The criteria for selection of the occupations were: The number of workers in the occupation; the usefulness of the data in collective bargaining; and appropriate representation of the entire job scale in the industry. Working supervisors, apprentices, learners, beginners, trainees, and handicapped, part-time, temporary, and probationary workers were not reported in the data for selected occupations but were included in the data for all production workers.

## Wage data

Information on wages relates to 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 bonuses were included as part of the workers' regular pay. Non-production bonus payments, such as Christmas or year-end bonuses, were excluded.

*Average (mean) hourly rates or earnings* for each occupation or category of workers, such as production workers, were calculated by weighting each rate (or hourly earnings) by the number of workers receiving the rate, totaling, and dividing by the number of individuals. The hourly earnings of salaried workers were obtained by dividing straight-time salary by normal (or standard) hours to which the salary corresponds.

## Size of community

Tabulations by size of community pertain to metropolitan and nonmetropolitan areas. The term "metropolitan areas," as used in this bulletin, refers to the Standard Metropolitan Statistical Areas as defined by

**Table A-1. Estimated number of establishments and employees within scope of survey and number studied, the fabricated structural metal industry, United States and selected regions and areas, November 1979**

Region <sup>1</sup> and area <sup>2</sup>	Number of establishments <sup>3</sup>		Workers in establishments		
	Within scope of study	Actually studied	Within scope of study		Actually studied
			Total <sup>4</sup>	Production workers	
United States .....	790	260	73,090	51,935	37,536
New England .....	33	16	2,833	2,092	1,925
Middle Atlantic <sup>5</sup> .....	119	36	11,111	8,053	5,963
New York-Northeastern New Jersey .....	20	13	1,246	951	979
Border States .....	60	20	6,743	4,825	3,273
Southeast <sup>5</sup> .....	147	44	12,937	9,088	5,299
South Carolina .....	17	9	2,304	1,740	1,693
Birmingham .....	18	12	1,339	1,072	1,067
Southwest <sup>5</sup> .....	146	38	14,863	11,174	7,158
Houston .....	24	14	1,961	1,508	1,625
Great Lakes <sup>5</sup> .....	136	45	12,967	8,280	6,476
Chicago .....	24	15	1,271	951	998
Middle West .....	58	23	4,878	3,407	3,073
Mountain .....	44	19	3,642	2,697	2,407
Pacific .....	47	19	3,116	2,319	1,962

The regions used in this study include *New England*—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; *Middle Atlantic*—New Jersey, New York, and Pennsylvania; *Border States*—Delaware, District of Columbia, Kentucky, Maryland, Virginia, and West Virginia; *Southeast*—Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, and Tennessee; *Southwest*—Arkansas, Louisiana, New Mexico, Oklahoma, and Texas; *Great Lakes*—Illinois, Indiana, Michigan, Ohio, and Wisconsin; *Middle West*—Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota; *Mountain*—Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; and *Pacific*—California, Nevada, Oregon, and Washington. Alaska and Hawaii were not included in the study.

<sup>2</sup> The areas used in this study include *Birmingham*—Jefferson, St. Clair, Shelby, and Walker Counties; *Houston*—

Brazoria, Fort Bend, Harris, Liberty, Montgomery, and Walker Counties; *Chicago*—Cuyahoga, Geauga, Lake, and Medina Counties; and *New York-Northeastern New Jersey*—Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, and Westchester counties, N.Y., and Bergen County, N.J., in the New York area; Essex, Morris, Somerset, and Union Counties in the Newark area; Hudson County in the Jersey City area; Passaic County in the Paterson-Clifton-Passaic area; and Middlesex County in the Perth Amboy area.

<sup>3</sup> Includes only those establishments with 20 workers or more at the time of reference of the universe data.

<sup>4</sup> Includes executive, professional, office, and other workers in addition to the production worker category shown separately.

<sup>5</sup> Includes data for States and areas in addition to those shown separately.

the U.S. Office of Management and Budget through February 1974. Except in New England, a Standard Metropolitan Statistical Area is defined as a county or group of contiguous counties which contains at least one city of 50,000 inhabitants or more. Counties contiguous to the one containing such a city are included in a Standard Metropolitan Statistical Area if, according to certain criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city. In New England, where the city and town are administratively more important than the county, they are the units used in defining Standard Metropolitan Statistical Areas.

### **Labor-management agreements**

Separate wage data are presented, where possible, for establishments that had (1) a majority of the production workers covered by labor-management contracts, and (2) none or a minority of the production workers covered by labor-management contracts.

### **Method of wage payment**

Tabulations by method of wage payment relate to the number of workers paid under the various time and incentive wage systems. Formal rate structures for time-rated workers provide single rates or a range of rates for individual job categories. In the absence of a formal rate structure, pay rates are determined primarily by the qualifications of the individual worker. A single rate structure is one in which the same rate is paid to all experienced workers in the same job classification. Learners, apprentices, or probationary workers may be paid according to rate schedules which start below the single rate and permit the workers to achieve the full job rate over a period of time. An experienced worker occasionally may be paid above or below the single rate for special reasons, but such payments are exceptions. Range-of-rate plans are those in which the minimum, maximum, or both of these rates paid experienced workers for the same job are specified. Specific rates of individual workers within the range may be determined by merit, length of service, or a combination of these. Incentive workers are classified under piecework or bonus plans. Piecework is work for which a predetermined rate is paid for each unit of output. Production bonuses are for production in excess of a quota or for completion of a task in less than standard time.

### **Scheduled weekly hours**

Data on weekly hours refer to the predominant work schedule for full-time production workers employed on the day shift.

### **Shift provisions and practices**

Shift provisions relate to the policies of establishments either currently operating late shifts or having formal

provisions covering late-shift work. Practices relate to workers employed on late shifts at the time of the survey.

### **Establishment practices and supplementary wage provisions**

Supplementary benefits in an establishment were considered applicable to all production workers if they applied to half or more of such workers in the establishment. Similarly, if fewer than half of the workers were covered, the benefit was considered nonexistent in the establishment. Because of length-of-service and other eligibility requirements, the proportion of workers receiving the benefits may be smaller than estimated.

***Paid holidays.*** Paid holiday provisions relate to full and half-day holidays provided annually.

***Paid vacations.*** The summary of vacation plans is limited to formal arrangements and exclude informal plans whereby time off with pay is granted at the discretion of the employer or supervisor. Payments not on a time basis were converted; for example, a payment of 2 percent of annual earnings was considered the equivalent of 1 week's pay. The periods of service for which data are presented represent the most common practices, but they do not necessarily reflect individual establishment provisions for progression. For example, changes in proportions indicated at 10 years of service may include changes which occurred between 5 and 10 years.

***Health, insurance, and retirement plans.*** Data are presented for health, insurance, pension, and retirement severance plans for which the employer pays all or a part of the cost, excluding programs required by law such as workers' compensation and social security. Among plans included are those underwritten by a commercial insurance company and those paid directly by the employer from his current operating funds or from a fund set aside for this purpose.

Death benefits are included as a form of life insurance. Sickness and accident insurance is limited to that type of insurance under which predetermined cash payments are made directly to the insured on a weekly or monthly basis during illness or accident disability. Information is presented for all such plans to which the employer contributes at least a part of the cost. However, in New York and New Jersey, where temporary disability insurance laws require employer contributions,<sup>1</sup> plans are included only if the employer (1) contributes more than is legally required, or (2) provides the employees with benefits which exceed the requirements of the law.

Tabulations of paid sick leave plans are limited to formal plans which provide full pay or a proportion of

<sup>1</sup> The temporary disability laws in California and Rhode Island do not require employer contributions.



the worker's pay during absence from work because of illness; informal arrangements have been omitted. Separate tabulations are provided for (1) plans which provide full pay and no waiting period, and (2) plans providing either partial pay or a waiting period.

Long-term disability insurance plans provide payments to totally disabled employees upon the expiration of sick leave, sickness and accident insurance, or both, or after a specified period of disability (typically 6 months). Payments are made until the end of disability, a maximum age, or eligibility for retirement benefits. Payments may be full or partial, but are almost always reduced by social security, workers' compensation, and private pension benefits payable to the disabled employee.

Medical insurance refers to plans providing for complete or partial payment of doctors' fees. Such plans may be underwritten by a commercial insurance company or a nonprofit organization, or they may be a form of self-insurance.

Major medical insurance, sometimes referred to as extended medical or catastrophe insurance, includes plans designed to cover employees for sickness or injury involving an expense which exceeds the normal coverage of hospitalization, medical, and surgical plans.

Tabulations of retirement pensions are limited to plans which provide regular payments for the remainder of the retiree's life. Data are presented separately for retirement severance pay (one payment or several over a specified period of time) made to employees on retirement. Establishments providing both retirement severance payments and retirement pensions to employees

were considered as having both retirement pensions and retirement severance plans; however, establishments having optional plans providing employees a choice of either retirement severance payments or pensions were considered as having only retirement pension benefits.

*Paid funeral and jury-duty leave.* Data for paid funeral and jury-duty leave relate to formal plans which provide at least partial payment for time lost as a result of attending funerals of specified family members or serving as a juror.

*Technological severance pay.* Data relate to formal plans providing for payments to employees permanently separated from the company because of a technological change or plant closing.

*Cost-of-living pay adjustments.* Cost-of-living pay adjustments relate to formal plans whereby wage rates are adjusted periodically, in keeping with changes in the Consumer Price Index or on some other basis.

*Dental insurance.* Dental insurance refers to normal dental services such as fillings, extractions, and X-rays. Excludes those health insurance plans which provide benefits for certain kinds of oral surgery required as a result of an accident.

*Visual care insurance.* Visual care insurance includes plans which cover normal eye examinations and/or eyeglasses. Excludes visual care plans which provide benefits for certain kinds of surgery or care required as a result of an accident.

## Appendix B. Occupational Descriptions

The primary purpose of preparing job descriptions for the Bureau's wage surveys is to assist its field representatives in classifying into appropriate occupations workers who are employed under a variety of payroll titles and different work arrangements from establishment to establishment and from area to area. This permits the grouping of occupational wage rates representing comparable job content. Because of this emphasis on interestablishment and interarea comparability of occupational content, the Bureau's job descriptions may differ significantly from those used in individual establishments or those prepared for other purposes. In applying these job descriptions, the Bureau's field representatives are instructed to exclude working supervisors, apprentices, learners, beginners, trainees, and handicapped, part-time, temporary, and probationary workers.

### **Carpenter, maintenance**

Performs the carpentry duties necessary to construct and maintain in good repair building woodwork and equipment such as bins, cribs, counters, benches, partitions, doors, floors, stairs, casings, and trim made of wood in an establishment. Work involves *most of the following*: Planning and laying out of work from blueprints, drawings, models, or verbal instructions; using a variety of carpenter's handtools, portable power tools, and standard measuring instruments; making standard shop computations relating to dimensions of work; selecting materials necessary for the work. In general, the work of the maintenance carpenter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

### **Crane operator, electric bridge**

(Overhead-crane operator; traveling-crane operator)

Lifts and moves heavy objects with an electrically powered hoist mounted upon a metal bridge, which runs along overhead rails. Work involves closing switch to turn on electricity; moving electrical controllers, levers, and brake pedal to run the crane bridge along overhead rails; to run the hoisting trolley back and forth

across the bridge; and to raise and lower the load line and anything attached to it. (Motions of crane are usually carried out in response to signals from other workers, on the ground.)

For wage study purposes, crane operators are classified by size of crane, as follows:

**Crane operator, (combination of sizes listed separately)**

**Crane operator, electric bridge (under 20 tons)**

**Crane operator, electric bridge (20 tons and over)**

### **Crane operator, mobile**

Operates gasoline- or diesel-powered crane mounted on a specially constructed truck chassis to lift and move materials such as steel stock or sub-assemblies. Work usually involves both driving vehicle to and from worksite and operating crane. May, when applicable, supervise the activities of a person engaged in driving crane and placing blocks and out-riggers to prevent capsizing when lifting heavy loads. *Exclude mobile crane operators employed at construction sites.*

### **Electrician, maintenance**

Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generating distribution, or utilization of electric energy in an establishment. Work involves *most of the following*: Installing or repairing any of a variety of electrical equipment such as generators, transformers, switchboards, controllers, circuit breakers, motors, heating units, conduit systems, or other transmission equipment; working standard computations relating to load requirements of wiring or electrical equipment; using a variety of electrician's handtools and measuring and testing instruments. In general, the work of the maintenance electrician requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

### **Fitter, structural**

Assembles and/or fits up in a shop, structural steel shapes used in the fabrication of buildings, towers, bridges, and other structures. Work includes assembling of processed structural steel members in preparation for riveting or welding operations; joining parts together to see that they are properly processed for assembly by

other workers at the construction site; using handtools and measuring devices.

### **Flame-cutting-machine operator**

(Acetylene-burning-machine operator; machine burner operator)

Cuts steel plate into various designs and shapes, using hand guided or automatic flame-cutting machines. Work involves *most of the following*: Laying of template or blueprint of layout on table top adjacent to machine, or making layout of design; positioning work for operations; adjusting burner tip of cutting torch, regulating flame and speed of machine according to thickness of metal; positioning guide wheels of machine against a template, or tracing course of cutting torch with a pantograph in producing desired cuts.

### **Friction-sawing-machine operator**

(Cut-off-saw operator; friction-saw operator)

Cuts metal stock to specified length, meter, or bevel with a rapidly rotating metal disk that heats the metal part to burning temperature by friction or with an abrasive wheel. Work involves: Measuring work and marking line of cut with chalk or scribe; adjusting position of work on table and holding or clamping it in place; and pressing pedal or moving lever to force work against rotating disk or wheel.

### **Grinder-chipper**

Grinds and chips weld splatter, high spots, burs, slap, and rust from surface of fabricated steel structures and parts to improve appearance or prepare for painting, using portable or pedestal grinders, chipping hammers, and wire brushes. Work involves *most of the following*: Positioning workpiece on worktable, inserting specified grinding wheel, wire bursh, or cutting chisel into portable grinder or power hammer; activating power tool and guiding it along high or defective spots on surface of workpiece; chipping or grinding out pits or cracks. May also sharpen chisels and dress grinding wheel, using pedestal grinder or wheel dresser.

### **Helper, general mechanic**

Helps the general mechanic by regularly performing a combination of duties of lesser skill, mainly moving steel forms by hand or crane. May also perform simple welding, painting, cleaning, and other duties as directed by the general mechanic.

### **Helper, power-brake**

Helps the power-brake operator in positioning and removing heavy pieces of steel from the brake press. Usually works with a hand-operated overhead crane,

may use a crowbar to move and hold steel in position, and performs other heavy work as directed by power-brake operator.

### **Helper, power-shear**

Helps the power-shear operator in positioning and removing heavy pieces of steel from the power shear. Usually works with a hand-operated overhead crane, may use a crowbar to move and hold steel in position. Performs other heavy work as directed by power-shear operator.

### **Helper, punch-press**

Helps the punch-press operator in moving heavy pieces of steel into position on a power punch-press. Usually works with a handoperated overhead crane, may use a crowbar to pry and hold steel in position for punching, and may carry small pieces by hand from the shearing machines to the punch-press. Also helps in removing steel from punch-press.

### **Hook tender**

(Rigger; crane rigger; yard rigger)

Assembles rigging to lift and move heavy pieces of equipment and/or material. Work involves most of the following: Selecting cables, ropes, pulleys, wrenches, blocks, and sheaves, according to weight and size of load to be moved; attaching pulleys and blocks to fixed or mobile overhead structures such as beams, ceilings, booms, and cranes with bolts and clamps; attaching load with grappling devices, such as loops, wires, ropes, and chains, to crane hook. Gives direction to crane operator engaged in hoisting and moving loads, using hand signals, loudspeakers, or telephones; sets up, braces, and rigs hoisting equipment, using handtools and power wrenches; and splices rope and wire cables. Work may also involve hoisting material onto and off of trucks and flatcars.

### **Inspector**

Inspects parts, products and/or processes. Performs such operations as examining parts or products for flaws and defects, checking their dimensions and appearance to determine whether they meet the required standards and specifications.

*Class A*—Responsible for decisions regarding the quality of the product and/or operations. Work involves *any combination of the following*: Thorough knowledge of the processing operations in the branch of work to which assigned, including the use of a variety of precision measuring instruments; interpreting drawings and specifications in inspection work on units composed of a large number of component parts; examining a variety of products of processing operations; determining causes of flaws in products and/or processes and sug-

gesting necessary changes to correct work methods; devising inspection procedures for new products.

**Class B**—Work involves *any combination of the following*: Knowledge of processing operations in the branch of work to which assigned, limited to familiar products and processes or where performance is dependent on past experience; performing inspection operations on products and/or processes having rigid specifications, but where the inspection procedures involve a sequence of inspection operations, including decisions regarding proper fit or performance of some parts; using precision measuring instruments.

**Class C**—Work involves *any combination of the following*: Short-cycle, repetitive inspection operations; using a standardized, special-purpose measuring instrument repetitively; visual examination of parts or products, rejecting units having obvious deformities or flaws.

### **Janitor**

(Sweeper; porter; cleaner)

Cleans and keeps in an orderly condition factory working areas and washrooms, or premises of an office, commercial, or other establishment. Duties involve *a combination of the following*: Sweeping, mopping or scrubbing and polishing floors; removing chips, trash, and other refuse; dusting equipment, furniture, or fixtures; polishing metal fixtures or trimmings; providing supplies and minor maintenance services; cleaning lavatories, showers, and restrooms. Workers who specialize in window washing are excluded.

### **Lay-out man, structural steel**

(Layer-out)

Works from instructions, blueprints, and work orders, and lays out specifications for fabrication of structural steel. Work involves: Locating holes, cuts, edges, bend lines, etc., in accordance with details of drawing; measuring and marking off required length of steel; center punching holes, cuts, and edges; and marking contract sheet, and piece numbers on steel. Must be familiar with shop practices and symbols and must compute bevels. Among the tools and equipment used are: Square, tape line, soapstone, center punch, hand hammer, scribe, and various gauging devices.

### **Machinist, maintenance**

Produces replacement parts and new parts in making repairs of metal parts of mechanical equipment operated in an establishment. Work involves *most of the following*: Interpreting written instructions and specifications; planning and laying out of work; using a variety of machinist's handtools and precision measuring instruments; setting up and operating standard machine tools;

shaping of metal parts to close tolerances; making standard shop computations relating to dimensions of work, tooling, feeds and speeds of machining; knowledge of the working properties of the common metals; selecting standard materials, parts, and equipment required for work; fitting and assembling parts into mechanical equipment. In general, the machinist's work requires a rounded training in machine-shop practice usually acquired through a formal apprenticeship or equivalent training and experience.

### **Mechanic, general (production)**

Regularly performs a combination of skilled hand and/or machine operations, such as welding, riveting, painting, fitting, cutting, and marking, on structural steel forms, rather than specializing in any one operation. Workers in this classification are usually found where specialization of operations is impractical and it is, thus, not possible to classify workers according to more specific duties.

### **Milling-machine operator**

Tends one or more previously setup milling machines to mill surfaces and ends of metal workpieces to specifications. Work involves most of the following: Positioning and securing workpiece in fixture or feeding device; starting machine and turning handwheel to feed workpiece to cutter or vice versa, or engaging feeding mechanism. Also changes worn cutters, verifies conformance of work to specifications, using instruments, such as fixed gages, calipers, micrometers, go-not-go gages, and templates; records production output.

### **Painter, rough**

Applies paint, varnish, lacquer, or other finishes to surfaces of manufactured products, for protective purposes primarily, with brush or spray gun. Work is repetitive in character, requiring no selection of color schemes or shading and matching of colors, and the finishes are either standard in character or prepared by others.

For wage study purposes, rough painters are classified as follows:

**Painters, rough, brush**

**Painters, rough, spray**

### **Planer operator, edge or rotary**

Sets up and operates a planer to square, bevel, or finish edges to specified width and length, either singly or in stacks of several pieces. Work involves: Setting up machine by adjusting stop guides and inserting cutting tools; positioning steel in the bed of the machine with the aid of helpers; placing cutter head in position for required processing; controlling operation of machine; and directing the work of one or more helpers. May also measure and mark the length of steel for shearing after proper width has been attained.

### **Power-brake operator, structural steel**

(Brake press operator; bender-brake press operator)

Sets up and operates a brake press to bend and cope structural steel. Work involves: Selecting, inserting, and adjusting the required dies; laying out bend lines, or setting stop gauges to position bends, or working to bend lines laid out by others; positioning material in dies and setting depth of stroke for ram; activating machine to bend, cope, or crimp material; manipulating material in dies as required; checking shape of materials being formed to templates; and grinding or filing edges of steel at bend lines to prevent cracking.

### **Power-shear operator**

Operates one or more types of power shears to cut metal sheets, plates, bars, rods and other metal shapes to size or length. Work involves *most of the following*: Setting up and operating power-shear equipment, setting stop gages, aligning material and performing shearing operations on machine; shearing large or heavy material to layout or specified dimensions; performing shearing operations involving angular or other difficult cuts.

### **Punch-press operator, structural steel**

Sets up and operates a punch press to punch holes in structural steel to prepare the materials for riveting. Selects the punch, according to the size of the hole to be punched and fastens it in place in the head of the machine; places material on the bed of the machine so that the center-punch hole is directly under the point on the punch; and operates the machine to punch the required holes.

*Class A*—Work involves: Difficult positioning of work units because of size or shape, or type of operation to be performed; processing unusually large work that is positioned in the press with the aid of helpers; processing work units that must be steadied while operations are being performed; performing operations requiring careful positioning of work and prompt recognition of faulty operation; examining output and making adjustments as necessary to maintain production within standards; setting, aligning, and adjusting the press.

*Class B*—Required mainly to feed, control and examine operation of the press, and when trouble occurs to call on foreman or leadman to correct the situation. Work involves: The performance of single operations, such as punching, or piercing on small or medium-size stock easily positioned or performing repetitive and simple punching on larger stock requiring the assistance of helpers.

### **Stock clerk**

Receives, stores, and issues equipment, material, merchandise or tools in a stockroom or storeroom. Work

involves *a combination of the following*: Checking incoming orders; storing supplies; applying identifications to articles; issuing supplies; taking periodic inventory or keeping perpetual inventory; making up necessary reports; requesting or ordering supplies when needed. *Stockroom laborers, tool crib attendants, and employees who supervise stock clerks and laborers are excluded*.

### **Template maker**

Makes full-sized wood, cardboard, or sheet-metal templates from blueprints or models for use in laying out or making rivet holes, cuts, and bends on structural steel. Locates holes, cuts, and bevels, applying mathematical and other technology, and marks their location, using such layout tools as squares, dividers, and scales. Also uses power saws, jointers, trimmers, hand saws, and planes.

### **Truckdriver**

Drives a truck within a city or industrial area to transport materials, merchandise, equipment, or workers between various types of establishments such as: Manufacturing plants, freight depots, warehouses, wholesale and retail establishments, or between retail establishments and customers' houses or places of business. May also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good work order. *Driver-salesmen and over-the-road drivers are excluded*.

For wage study purposes, truckdrivers are classified by size and type of equipment, as follows: (Tractor-trailer should be rated on the basis of trailer capacity.)

**Truckdriver—(Combination of sizes listed separately)**

**Truckdriver, light (under 1.5 tons)**

**Truckdriver, medium (1.5 tons and including 4 tons)**

**Truckdriver, heavy (over 4 tons, trailer type)**

**Truckdriver, heavy (over 4 tons, other than trailer type)**

### **Trucker, power**

Operates a manually controlled gasoline- or electric-powered truck or tractor to transport goods and materials of all kinds about a warehouse, manufacturing plant, or other establishment.

For wage study purposes, workers are classified by type of truck as follows:

**Trucker, power (forklift)**

**Trucker, power (other than forklift)**

### **Welder, hand**

(Manual welder)

Fuses (welds) metal objects together by manually guiding a welding torch or stick electrode in the fabrication of metal shapes and in repairing broken or

cracked metal objects. In addition to performing hand welding or brazing operation, the welder may also lay out guide lines or marks on metal parts and may cut metal with a cutting torch.

*Class A*—Work involves making welds in metal joints placed in any position, including the overhead position.

*Class B*—Work involves making welds in metal joints placed only in the flat or horizontal position.

### **Welder, machine (arc or gas)**

(Welding machine operator)

Operates one or more types of arc or gas automatic welding machines designed to weld metal joints without manual manipulation of the welding electrode or torch. Work involves: Clamping work pieces onto machine; positioning electrode or torch over weld line at specified angle; threading filler wire from reel through feed rolls; filling hopper with flux; turning control knobs to synchronize movement of electrode or torch and feed of filler wire, and flux with speed of welding action; setting limit switch which automatically stops machine at end of designated operation. Workers may be designated according to the type of equipment used,

such as gas-shielded arc welding machine operator, submerged arc welding machine operator, or gas welding machine operator.

### **Welder, machine (resistance)**

(Butt welder; flash welder; seam welder; spot welder)

Operates one or more types of *resistance welding apparatus* to weld (bond) together metal objects such as bars, pipes, and plates. Resistance welding is a process wherein an electric current is passed through the parts to be welded at the point of contact, and mechanical pressure is applied forcing the contact surfaces together at the points to be joined. Welding machines are generally designated according to type of weld performed and arrangement of welding surfaces of parts to be joined. Welds may be made on overlapping units in the form of one or more spots (spot welding) or lineally by using a rolling electrode (seam welding). Machine welding of units where the edges are brought together without lapping is referred to as butt welding.

### **Welder, tack**

Manually makes temporary welds along metal joints to hold parts in proper alignment for final welding.

# Industry Wage Studies

The most recent reports providing occupational wage data for industries included in the Bureau's program of industry wage surveys are listed below. Copies are for sale from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, or from any of its regional sales offices, and from the regional offices of the Bureau of Labor Statistics shown on the inside back cover. Bulletins that are out of stock are available for reference at leading public, college, or university libraries, or at the Bureau's Washington or regional offices.

## *Manufacturing*

Basic Iron and Steel, 1978-79. BLS Bulletin 2064  
Candy and Other Confectionery Products, 1975. BLS Bulletin 1939  
Cigar Manufacturing, 1972. BLS Bulletin 1796  
Cigarette Manufacturing, 1976. Bulletin 1944  
Corrugated and Solid Fiber Boxes, 1976. BLS Bulletin 1921  
Drug Manufacturing, 1978. BLS Bulletin 2077  
Fabricated Structural Metal, 1979. BLS Bulletin 2094  
Fertilizer Manufacturing, 1971. BLS Bulletin 1763  
Flour and Other Grain Mill Products, 1977. BLS Bulletin 2026  
Fluid Milk Industry, 1973. BLS Bulletin 1871  
Footwear, 1975. BLS Bulletin 1946  
Hosiery, 1976. BLS Bulletin 1987  
Industrial Chemicals, 1976. BLS Bulletin 1978  
Iron and Steel Foundries, 1979. BLS Bulletin 2085  
Leather Tanning and Finishing, 1973. BLS Bulletin 1835  
Machinery Manufacturing, 1978. BLS Bulletin 2022  
Meat Products, 1979. BLS Bulletin 2082  
Men's Shirts and Separate Trousers, 1978. BLS Bulletin 2035  
Men's and Boys' Suits and Coats, April 1979. BLS Bulletin 2073  
Millwork, 1979. BLS Bulletin 2083  
Miscellaneous Plastics Products, 1974. BLS Bulletin 1914  
Motor Vehicles and Parts, 1973-74, BLS Bulletin 1912  
Nonferrous Foundries, 1975. BLS Bulletin 1952  
Paints and Varnishes, 1976. BLS Bulletin 1973  
Paperboard Containers and Boxes, 1970. BLS Bulletin 1719<sup>1</sup>

Petroleum Refining, 1976. BLS Bulletin 1948  
Pressed or Blown Glass and Glassware, 1975. BLS Bulletin 1923  
Pulp, Paper, and Paperboard Mills, 1977. BLS Bulletin 2008  
Semiconductors, 1977. BLS Bulletin 2021  
Shipbuilding and Repairing, 1976. BLS Bulletin 1968  
Southern Sawmills and Planing Mills, 1969. BLS Bulletin 1694<sup>1</sup>  
Structural Clay Products, 1975. BLS Bulletin 1942  
Synthetic Fibers, 1976. BLS Bulletin 1975  
Textile Dyeing and Finishing, 1976. BLS Bulletin 1967  
Textiles, 1975. BLS Bulletin 1945  
Wages and Demographic Characteristics in Work Clothing Manufacturing, 1972. BLS Bulletin 1858  
West Coast Sawmilling, 1969. BLS Bulletin 1704<sup>1</sup>  
Women's and Misses' Coats and Suits, 1970. BLS Bulletin 1728<sup>1</sup>  
Women's and Misses' Dresses, 1977. BLS Bulletin 2007  
Wood Household Furniture, 1979. BLS Bulletin 2087

## *Nonmanufacturing*

Appliance Repair Shops, 1978. BLS Bulletin 2067  
Auto Dealer Repair Shops, 1978. BLS Bulletin 2060  
Banking and Life Insurance, 1976. BLS Bulletin 1988  
Bituminous Coal Mining, 1976. BLS Bulletin 1999  
Communications, 1978. BLS Bulletin 2071  
Computer and Data Processing Services, 1978. BLS Bulletin 2028  
Contract Cleaning Services, 1977. BLS Bulletin 2009  
Contract Construction, 1973. BLS Bulletin 1911  
Department Stores, 1973. BLS Bulletin 2006  
Educational Institutions: Nonteaching Employees, 1968-69. BLS Bulletin 1671<sup>1</sup>  
Electric and Gas Utilities, 1978. BLS Bulletin 2040  
Hospitals and Nursing Homes, 1978. BLS Bulletin 2055  
Laundry and Cleaning Services, 1968. BLS Bulletin 1645<sup>1</sup>  
Metal Mining, 1977. BLS Bulletin 2017  
Motion Picture Theatres, 1966. BLS Bulletin 1542<sup>1</sup>  
Oil and Gas Extraction, 1977. BLS Bulletin 2014  
Scheduled Airlines, 1975. BLS Bulletin 1951  
Wages and Tips in Restaurants and Hotels, 1970. BLS Bulletin 1712<sup>1</sup>

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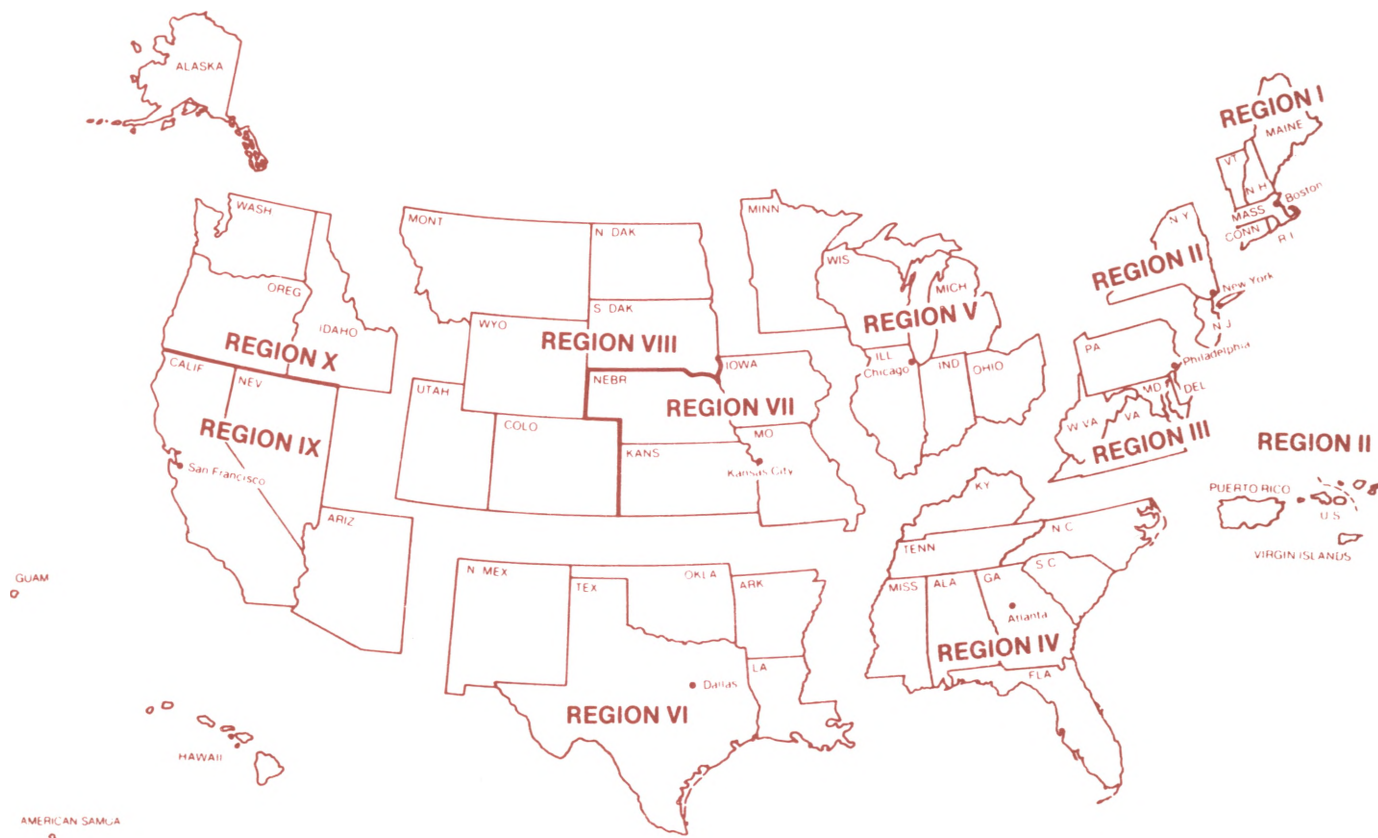
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