

Wage Structure Metalworking Industries, 1945

**Hourly Earnings and
Supplementary Wage Practices
in 14 Industries**

Bulletin No. 952

UNITED STATES DEPARTMENT OF LABOR

MAURICE J. TOBIN, *Secretary*

BUREAU OF LABOR STATISTICS

EWAN CLAGUE, *Commissioner*



Letter of Transmittal

UNITED STATES DEPARTMENT OF LABOR,
BUREAU OF LABOR STATISTICS,
Washington, D. C., June 15, 1949.

The SECRETARY OF LABOR:

I have the honor to transmit herewith a bulletin describing the wage structure of 14 metalworking industries.

This bulletin was prepared in the Bureau's Division of Wage Analysis under the direction of Harry Ober.

EWAN CLAGUE, *Commissioner.*

HON. MAURICE J. TOBIN,
Secretary of Labor.

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Wage Structure Metalworking Industries, 1945

Introduction

This bulletin summarizes information on the wage structure of a group of metalworking industries studied by the Bureau of Labor Statistics in 1945. The data, collected as part of the Bureau's Industry Wage Studies program, were originally released in the form of mimeographed bulletins; they are being published in printed form at this time in order to provide a permanent record of wages in these industries at the end of World War II.¹

In order to conserve space, the textual discussion of the wage structure of these industries and many of the tables that were presented in the mimeographed Wage Structure bulletins have been omitted. A limited number of copies of these bulletins, which are listed in the appendix, are available on request to the Bureau of Labor Statistics. They include information on minimum entrance and job rates, on scheduled hours of work, and on supplementary wage practices, such as paid vacations, provisions for incentive plans, insurance and pension plans, and nonproduction bonuses. In addition, separate locality tabulations are available showing detailed information for the more important areas of concentration in each of the industries studied.

The characteristics of the data presented and collection methods can be briefly summarized:

The wages presented consist of hourly rates (or straight-time average hourly earnings for piece-rate and other incentive workers) excluding premium overtime and shift differential payments. Incentive earnings and cost-of-living bonuses are included as part of the workers' regular pay, but nonincentive payments, such as Christmas bonuses, are excluded. Hourly earnings of salaried workers were obtained by dividing their straight-time salary by normal rather than actual hours. Average hourly rates or earnings for each occupa-

tion or other grouping of workers were obtained by weighting each rate (or hourly earnings) by the number of workers receiving the rate.

The studies exclude administrative, executive, and professional employees. All other plant (non-office) workers are included in the frequency distributions of workers by average hourly earnings; but data for selected occupations exclude inexperienced workers, apprentices, and handicapped workers. These occupational data are limited to representative or "key" jobs chosen for their importance in terms of number of workers employed, their bench-mark value in collective bargaining, or their representativeness of the entire range of rates in the industry; no attempt is made to present occupational information for all jobs in the industry.

Separate wage information is frequently presented for union and nonunion establishments, for time and incentive workers, and for other classifications that are important in a specific industry. However, because of the interrelationship of such factors as size of establishment, unionization, method of wage payment, and product, it is impossible in presenting these break-downs to isolate the interplant wage differences associated with any one factor.

For purposes of these studies, establishments were classified as unionized if more than half of their workers were employed under terms of union agreements. All workers in these unionized establishments, whether or not they were members of a union or worked under terms of a union agreement, are included in the data on earnings in union plants.

Each survey was based on a representative group of establishments rather than on all firms in the industry. The number of establishments actually studied and the employment in these establish-

¹ It is planned to print similar information for other industries subsequently.

ments compared with the estimated total in the industry is shown in the tabulation below. In selecting these firms the Bureau took into consideration the chief factors that frequently affect wage rates; notably, location, size of establishment and community, unionization, and product. Larger proportions of large establishments and of establishments in large cities and in certain regions

were included in order to permit presentation of separate data by region, wage area, and size of establishment. The effect of these varying proportions in terms of employment was offset in tabulation; thus, each region, each size of establishment group, and each size of city was given only its appropriate influence on the data presented in this bulletin.

Establishments and workers in metalworking industries studied and number included in survey, 1945

Industry	Total industry ¹		Number surveyed ¹	
	Establishments	Workers	Establishments	Workers
Aircraft engines and parts.....	343	492, 275	201	353, 647
Electric generating and distribution equipment.....	600	337, 600	267	141, 557
Electroplating and polishing.....	400	14, 000	252	9, 717
Fabricated structural steel.....	600	47, 240	324	23, 577
Foundries:				
Ferrous.....	1, 280	235, 650	646	117, 300
Nonferrous.....	631	68, 000	350	43, 900
Iron and steel forgings.....	219	62, 500	168	45, 735
Machinery.....	5, 575	1, 033, 000	2, 034	495, 000
Machine-tool accessories:				
Production shops.....	345	66, 900	156	32, 604
Tool-and-die jobbing shops.....	1, 775	64, 900	623	26, 355
Machine tools.....	295	109, 000	181	77, 633
Military tanks.....	11	33, 407	10	31, 807
Power boilers.....	383	44, 439	271	35, 273
Radios.....	531	222, 000	277	127, 018
Sheet metal.....	660	30, 950	385	20, 067
Small arms.....	72	50, 938	72	50, 938

¹ Includes only establishments with 8 or more workers, except for tool-and-die jobbing shops, where establishments with 5 or more workers are included.

The number of workers presented is the estimated employment in all establishments in the industry, excluding only plants below the minimum size covered by the study, rather than employment in the plants actually surveyed. Workers on all shifts (full- and part-time) are included in all employment studies, although the wage rates exclude extra pay for late-shift work.

The regions used in these studies 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, Geor-

gia, Mississippi, North Carolina, South Carolina, and Tennessee; *Great Lakes*—Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin; *Middle West*—Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota; *Southwest*—Arkansas, Louisiana, Oklahoma, and Texas; *Mountain*—Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; and *Pacific*—California, Nevada, Oregon, and Washington.

The information was collected by field representatives of the Bureau of Labor Statistics by personal visit to the establishment studied. These representatives classified workers in the occupations studied according to uniform job descriptions, copies of which are available upon request.

Aircraft Engines and Parts

The study covered establishments primarily engaged in the manufacture of aircraft engines or engine parts, and employing 8 or more workers. The scope corresponds to a part of the industry classification 3722 of the Standard Industrial Classification Manual (1942 edition) issued by the Bureau of the Budget.

A total of 201 establishments employing more than 353,000 workers were studied. It was estimated that this coverage represented 57 percent of the establishments and almost three-fourths of the total employment in the industry (as defined above).

TABLE 1.—Percentage distribution of plant workers in Aircraft Engine and Engine Parts establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—			
	All workers	Men	Women	New England	Middle Atlantic	Great Lakes	Pacific
Under 50.0 cents.....	(*)	(*)	(*)	0.1	(*)	(*)	
50.0-54.9 cents.....	0.1	(*)	0.2	(*)	0.3	(*)	
55.0-59.9 cents.....	.2	(*)	.6	.4	.6	.4	
60.0-64.9 cents.....	1.0	0.2	2.8	2.5	2.6	.5	0.1
65.0-69.9 cents.....	1.3	.4	3.6	2.2	3.8	.5	1.0
70.0-74.9 cents.....	1.5	.8	3.3	2.4	2.8	1.1	.7
75.0-79.9 cents.....	1.9	1.0	3.9	3.1	3.7	1.0	2.5
80.0-84.9 cents.....	2.9	1.9	5.6	3.3	4.1	1.8	3.8
85.0-89.9 cents.....	5.1	4.0	7.9	3.5	6.3	3.8	4.9
90.0-94.9 cents.....	4.9	3.9	7.5	4.7	4.5	3.9	9.2
95.0-99.9 cents.....	5.3	4.8	6.4	4.5	5.5	4.2	11.3
100.0-104.9 cents.....	7.4	6.4	9.9	6.1	5.8	7.5	15.2
105.0-109.9 cents.....	10.1	7.7	16.0	7.6	9.6	10.7	9.6
110.0-114.9 cents.....	11.9	12.0	12.4	7.0	8.0	14.6	9.2
115.0-119.9 cents.....	9.3	10.2	7.2	5.9	5.0	11.6	5.6
120.0-124.9 cents.....	8.9	10.5	5.2	6.1	5.9	10.8	6.2
125.0-129.9 cents.....	6.6	8.1	2.8	7.9	4.6	7.6	5.1
130.0-134.9 cents.....	5.7	7.1	2.2	9.2	5.1	6.0	4.2
135.0-139.9 cents.....	3.7	5.0	.6	5.4	4.7	3.4	3.1
140.0-144.9 cents.....	2.5	3.4	.5	3.1	3.4	2.4	2.1
145.0-149.9 cents.....	2.8	3.0	.6	5.0	2.9	2.0	.8
150.0-159.9 cents.....	3.1	4.1	.4	5.2	4.2	2.8	1.8
160.0-169.9 cents.....	2.2	3.0	.2	2.6	2.6	2.3	3.0
170.0-179.9 cents.....	1.1	1.4	.1	1.6	1.5	1.0	.6
180.0-189.9 cents.....	.4	.5	.1	.4	1.2	.2	
190.0-199.9 cents.....	.2	.2	(*)	.2	.4	.1	
200.0 cents and over.....	.4	.4	(*)	(*)	.9	.2	
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	360,000	255,900	104,100	23,000	75,600	233,800	2,900
Average hourly earnings¹.....	\$1.14	\$1.20	\$1.01	\$1.18	\$1.12	\$1.16	\$1.09

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

* Less than 0.05 of 1 percent.

TABLE 2.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Aircraft Engine and Engine Parts establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—			
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes	Pacific
<i>Men</i>						
Acid dippers.....	703	\$1.02	\$1.10	\$1.01	\$1.02	.....
Assemblers, class A.....	2,952	1.29	1.26	1.39	1.24	\$1.13
Assemblers, class B.....	11,950	1.23	1.33	1.13	1.24	1.02
Assemblers, class C.....	4,604	1.11	1.19	.95	1.16	.89
Automatic-lathe operators, class A.....	345	1.33	(³)	(³)	1.37	(³)
Automatic-lathe operators, class B.....	2,438	1.20	(³)	1.08	1.21	.....
Automatic-lathe operators, class C.....	992	1.18	1.31	1.02	1.20	.....
Carpenters, maintenance.....	1,439	1.25	1.26	1.29	1.25	1.22
Chippers and grinders.....	3,550	1.12	.93	1.36	1.08	(³)
Coremakers, hand.....	387	1.68	.....	1.76	1.24	.....
Coremakers, turn-over-draw-machine.....	1,364	1.24	.....	.....	1.24	.....
Crane operators, electric bridge.....	179	1.11	(³)	.....	1.11	.....
Die setters.....	140	1.25	(³)	(³)	1.27	.....
Drill-press operators, radial, class A.....	495	1.46	1.23	1.59	1.23	1.07
Drill-press operators, radial, class B.....	1,073	1.27	1.31	1.33	1.25	(³)
Drill-press operators, radial, class C.....	260	1.34	1.25	(³)	1.43	.....
Drill-press operators, single- and multiple-spindle, class A.....	662	1.25	1.16	1.29	1.26	1.04
Drill-press operators, single- and multiple-spindle, class B.....	4,603	1.17	1.28	1.09	1.19	1.01
Drill-press operators, single- and multiple-spindle, class C.....	3,146	1.13	1.14	.90	1.16	.....
Drop-hammer operators, steam, under 5,000 lb.....	106	1.88	.....	.....	1.88	.....
Drop-hammer operators, steam, 5,000 lb. and over.....	105	2.21	.....	.....	2.21	.....
Electricians, maintenance.....	2,731	1.28	1.27	1.32	1.28	1.35
Engine-lathe operators, class A.....	831	1.33	1.42	1.32	1.37	1.26
Engine-lathe operators, class B.....	2,389	1.20	1.31	1.14	1.23	1.01
Engine-lathe operators, class C.....	501	.99	1.08	.89	1.03	(³)
Forging-press operators, hydraulic (vertical).....	38	1.37	.....	.....	1.37	.....
Grinding-machine operators, class A.....	3,582	1.36	1.52	1.37	1.36	1.26
Grinding-machine operators, class B.....	12,324	1.22	1.45	1.17	1.22	1.13
Grinding-machine operators, class C.....	1,745	1.19	1.33	1.03	1.24	.....
Guards.....	3,767	1.02	1.10	.96	1.04	.94
Heaters, forge, light work.....	241	1.34	.....	.....	1.34	.....
Heaters, forge, heavy work.....	243	1.36	.....	.....	1.36	.....
Heat treaters, class A.....	161	1.21	(³)	(³)	1.21	(³)
Heat treaters, class B.....	964	1.16	(³)	1.23	1.14	1.03
Inspectors, class A.....	4,880	1.31	1.18	1.29	1.33	1.24
Inspectors, class B.....	9,173	1.18	1.30	1.06	1.20	1.09
Inspectors, class C.....	6,504	1.07	1.10	1.01	1.10	.92
Janitors.....	6,618	.88	.92	.85	.89	.88
Lay-out men, class A.....	26	1.67	(³)	.....	1.67	.....
Lay-out men, class B.....	70	1.28	1.20	(³)	1.31	.....
Machine-tool operators, miscellaneous machines.....	1,260	1.25	.95	1.06	1.40	1.05
Machinists, maintenance.....	2,472	1.33	1.29	1.26	1.38	1.17
Machinists, production.....	638	1.29	1.40	1.19	1.35	1.22
Maintenance men, general utility.....	411	1.08	.92	1.05	1.20	(³)
Mechanics, maintenance.....	1,885	1.34	1.19	1.37	1.36	1.21
Milling-machine operators, class A.....	696	1.39	1.50	1.35	1.38	1.24
Milling-machine operators, class B.....	3,754	1.22	1.32	1.21	1.22	1.06
Milling-machine operators, class C.....	1,840	1.11	1.16	.95	1.18	(³)
Millwrights.....	2,516	1.26	1.23	1.35	1.24	(³)
Molders, hand, bench and floor ⁴	368	1.77	.....	1.90	1.26	.....
Molders, machine.....	745	1.33	.....	1.78	1.12	.....
Painters, finish.....	450	1.28	1.21	1.20	1.31	(³)
Painters, rough.....	386	1.06	.97	.97	1.12	(³)
Platers.....	808	1.20	1.17	1.32	1.18	.....
Platers' helpers.....	330	1.15	1.16	1.22	1.02	.....
Polishers and buffers, metal.....	2,853	1.34	1.34	1.31	1.36	.....
Polishing-and-buffing-machine operators.....	2,777	1.14	1.05	1.04	1.16	.....
Pourers, metal.....	649	1.21	.....	1.65	1.12	.....
Power-shear operators, class A.....	25	1.28	.....	(³)	1.32	.....
Punch-press operators, class A.....	82	1.25	(³)	1.18	1.29	(³)
Punch-press operators, class B.....	1,048	1.10	.92	.94	1.14	.....
Sand mixers, hand and machine.....	222	1.11	.....	1.72	1.02	.....
Screw-machine operators, automatic, class A.....	752	1.36	1.14	1.50	1.34	.....
Screw-machine operators, automatic, class B.....	1,654	1.21	1.20	1.15	1.22	.....
Screw-machine operators, automatic, class C.....	461	1.18	1.05	1.15	1.22	.....
Set-up men, machine tools.....	9,496	1.36	1.04	1.49	1.36	.....
Shake-out men.....	582	1.10	.....	1.22	1.10	.....
Sheet-metal machine operators, miscellaneous machines.....	115	1.24	1.22	.....	1.26	(³)
Sheet-metal workers, production.....	299	1.33	1.32	1.40	1.30	(³)
Stock clerks.....	3,334	1.00	.94	.98	1.03	.99
Testers, class A.....	751	1.32	1.05	1.42	1.27	(³)
Testers, class B.....	1,831	1.24	1.30	1.14	1.25	(³)
Testers, class C.....	790	1.16	.99	.79	1.22	.....
Tool-and-die makers.....	5,180	1.48	1.37	1.39	1.54	1.44

See footnotes at end of table.

TABLE 2.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Aircraft Engine and Engine Parts establishments, United States and selected regions, January 1945—Continued

Occupation, grade, and sex	United States ²		Average hourly rates in—			
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes	Pacific
Men—Continued						
Truck drivers.....	844	\$1.06	\$1.14	\$1.04	\$1.07	\$0.92
Truckers, hand.....	3,048	.90	.77	.95	.92	(3)
Truckers, power.....	2,287	1.02	1.07	1.01	1.03	(3)
Turret-lathe operators, hand, class A.....	1,969	1.36	1.20	1.47	1.34	1.25
Turret-lathe operators, hand, class B.....	6,353	1.20	1.38	1.13	1.22	(3)
Turret-lathe operators, hand, class C.....	1,341	1.21	1.29	.88	1.31	(3)
Upsetters, 2½" and under 1" diameter.....	49	1.40	-----	-----	1.40	-----
Upsetters, over 2½" diameter.....	55	1.84	-----	-----	1.84	-----
Watchmen.....	121	.84	(3)	.69	.86	.91
Welders, hand, class A.....	577	1.31	1.32	1.14	1.30	1.55
Welders, hand, class B.....	959	1.19	1.02	.99	1.24	(3)
Welders, machine, class A.....	33	1.21	-----	(3)	1.29	(3)
Welders, machine, class B.....	175	1.10	-----	.96	1.12	(3)
Working foremen, processing departments.....	5,279	1.37	1.53	1.25	1.32	1.32
Women						
Acid dippers.....	215	.89	1.19	(3)	.87	-----
Assemblers, class A.....	250	1.12	-----	1.52	1.07	1.05
Assemblers, class B.....	3,148	1.11	.84	1.16	1.14	.99
Assemblers, class C.....	7,479	.94	1.00	.71	1.07	.89
Automatic-lathe operators, class A.....	32	1.31	-----	-----	1.31	-----
Automatic-lathe operators, class B.....	164	1.14	-----	-----	1.16	-----
Automatic-lathe operators, class C.....	255	1.07	1.22	1.04	1.12	-----
Chippers and grinders.....	1,714	1.04	(3)	.94	1.04	-----
Coremakers, turn-over-draw-machine.....	267	1.02	-----	-----	1.02	-----
Drill-press operators, radial, class A.....	34	1.26	-----	-----	1.29	(3)
Drill-press operators, radial, class B.....	176	1.24	1.31	1.38	1.11	(3)
Drill-press operators, single- and multiple-spindle, class A.....	67	1.02	(3)	-----	1.01	(3)
Drill-press operators, single- and multiple-spindle, class B.....	1,082	1.07	.95	1.09	1.09	1.02
Drill-press operators, single- and multiple-spindle, class C.....	4,789	1.00	1.00	.84	1.05	.96
Engine-lathe operators, class A.....	97	1.14	-----	-----	1.14	(3)
Engine-lathe operators, class B.....	565	1.14	1.10	1.23	1.12	-----
Engine-lathe operators, class C.....	460	.95	(3)	.92	.99	-----
Grinding-machine operators, class A.....	219	1.24	(3)	1.43	1.18	-----
Grinding-machine operators, class B.....	4,221	1.15	1.30	1.17	1.16	-----
Grinding-machine operators, class C.....	1,519	.99	1.24	.86	1.03	-----
Guards.....	170	.96	1.11	.86	.88	(3)
Inspectors, class A.....	930	1.26	1.00	1.31	1.25	(3)
Inspectors, class B.....	5,858	1.10	.90	1.05	1.12	1.32
Inspectors, class C.....	17,104	.95	.97	.76	.99	.85
Janitors.....	2,294	.88	.93	.88	.88	.88
Machine-tool operators, miscellaneous machines.....	242	1.08	-----	.95	1.15	-----
Milling-machine operators, class B.....	1,054	1.15	1.18	1.23	1.11	(3)
Milling-machine operators, class C.....	1,711	1.03	1.08	.87	1.10	(3)
Painters, finish.....	69	1.16	(3)	1.16	1.21	-----
Painters, rough.....	194	.91	.89	.73	1.01	-----
Platers.....	266	1.10	1.27	-----	1.08	-----
Platers' helpers.....	480	1.03	1.14	1.25	.92	-----
Polishers and buffers, metal.....	196	1.22	1.18	1.22	1.24	-----
Polishing-and-buffing-machine operators.....	2,365	1.06	1.06	.88	1.08	-----
Punch-press operators, class B.....	662	.93	.80	.67	.90	(3)
Screw-machine operators, automatic, class B.....	62	1.03	(3)	(3)	1.04	-----
Screw-machine operators, automatic, class C.....	298	1.12	.71	.76	1.21	-----
Stock clerks.....	2,773	.91	.78	.95	.98	.91
Testers, class B.....	254	1.10	1.09	1.14	1.07	-----
Testers, class C.....	431	.99	.81	.84	1.18	-----
Truckers, hand.....	572	.88	.96	(3)	.92	-----
Truckers, power.....	181	.98	(3)	.94	.98	-----
Turret-lathe operators, hand, class A.....	60	1.15	-----	-----	1.15	-----
Turret-lathe operators, hand, class B.....	828	1.12	.98	1.30	1.09	-----
Turret-lathe operators hand, class C.....	810	1.00	1.20	.97	1.02	-----
Welders, hand, class A.....	190	1.29	(3)	(3)	1.29	(3)
Welders, hand, class B.....	583	1.00	.87	.85	1.14	-----
Welders, machine, class B.....	83	1.05	(3)	.88	1.17	(3)
Working foremen, processing departments.....	251	1.14	1.19	.85	1.18	(3)

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

⁴ Rates shown represent combined earnings for hand-bench and floor molders.

TABLE 3.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Aircraft Engine and Engine Parts establishments, United States and selected regions, by size of community, January 1945

Occupation, grade, and sex	United States ²		New England		Middle Atlantic		Great Lakes	
	Communities of—							
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Men								
Assemblers, class A	\$1.39	\$1.26	\$0.99	\$1.37	\$1.43	\$1.36	\$1.42	\$1.21
Assemblers, class B	1.22	1.23	.96	1.34	1.20	1.11	1.23	1.25
Assemblers, class C	.94	1.12	1.17	1.19	.74	.95	.93	1.20
Automatic-lathe operators, class B	1.17	1.20		(³) .99	1.11	1.21	1.21	1.21
Automatic-lathe operators, class C	1.46	1.15	1.32	1.31		1.02	1.52	1.16
Chippers and grinders	1.03	1.13	.94	(³)	(³)	1.37	1.09	1.07
Drill-press operators, single- and multiple-spindle, class B	1.22	1.16	1.26	1.29	1.11	1.08	1.28	1.17
Drill-press operators, single- and multiple-spindle, class C	1.24	1.11	1.23	1.11	.80	.92	1.28	1.14
Electricians, maintenance	1.24	1.34	1.27	1.27	1.23	1.35	1.20	1.29
Engine-lathe operators, class A	1.44	1.30	(³)	1.43	1.40	1.30	1.49	1.26
Engine-lathe operators, class B	1.26	1.19	(³)	1.32	1.20	1.12	1.30	1.21
Engine-lathe operators, class C	.80	1.03	(³)	1.09	.78	.96	.87	1.06
Grinding-machine operators, class A	1.44	1.33	1.42	1.55	1.39	1.36	1.47	1.32
Grinding-machine operators, class B	1.17	1.23	1.43	1.45	1.18	1.08	1.16	1.23
Grinding-machine operators, class C	1.10	1.21	1.39	1.32	(³)	1.03	1.02	1.32
Guards	.99	1.03	1.10	1.10	.92	.97	1.03	1.04
Inspectors, class A	1.26	1.32	1.11	1.24	1.31	1.29	1.33	1.33
Inspectors, class B	1.13	1.19	1.31	1.30	1.06	1.07	1.16	1.21
Inspectors, class C	1.03	1.07	1.10	1.10	.93	1.02	1.03	1.11
Janitors	.86	.88	.94	.92	.82	.85	.86	.89
Machinists, maintenance	1.26	1.34	1.25	1.23	1.24	1.26	1.28	1.39
Mechanics, maintenance	1.23	1.35	(³)	1.13	1.34	1.38	1.25	1.38
Milling-machine operators, class A	1.51	1.33	1.26	1.53	1.49	1.12	1.60	1.30
Milling-machine operators, class B	1.34	1.19	1.36	1.30	1.32	1.15	1.36	1.19
Milling-machine operators, class C	1.04	1.12	1.30	1.13	.98	.94	.94	1.19
Millwrights	1.20	1.27	1.19	1.25	1.34	1.35	1.15	1.25
Screw-machine operators, automatic, class B	1.12	1.25	(³)	1.20	1.17	1.15	1.00	1.28
Set-up men, machine tools	1.42	1.35	1.13	1.02	1.55	1.44	1.33	1.36
Stock clerks	.96	1.00	.84	.99	.95	.98	.98	1.04
Tool-and-die makers	1.36	1.50	1.35	1.37	1.35	1.40	1.38	1.55
Truckers, hand	.90	.90	.76	.77	.95	.95	.89	.93
Truckers, power	1.00	1.03	1.09	1.07	.97	1.02	1.03	1.03
Turret-lathe operators, hand, class A	1.39	1.36	1.18	1.21	1.44	1.47	1.48	1.33
Turret-lathe operators, hand, class B	1.19	1.21	1.29	1.41	1.17	1.12	1.19	1.22
Turret-lathe operators, hand, class C	1.20	1.22	1.34	1.27	.89	.88	1.19	1.36
Women								
Assemblers, class B	1.07	1.13	.83	.86	1.05	1.21	1.25	1.13
Assemblers, class C	.75	.96	.93	1.00	.96	.73	1.00	1.07
Chippers and grinders	.92	1.05	(³)		.62	1.48	1.00	1.04
Drill-press operators, single- and multiple-spindle, class B	1.19	1.04	1.03	.93	1.27	1.00	1.08	1.09
Drill-press operators, single- and multiple-spindle, class C	.94	1.01	1.22	.99	.71	.86	1.00	1.05
Grinding-machine operators, class B	1.16	1.14	(³)	1.37	1.18	1.13	1.06	1.17
Inspectors, class B	1.02	1.12	.85	.94	1.04	1.06	1.01	1.14
Inspectors, class C	.89	.96	1.03	.96	.72	.77	.92	1.01
Janitors	.88	.88	.95	.82	.84	.89	.89	.87
Milling-machine operators, class B	1.27	1.12	1.28	1.06	1.35	1.14	1.08	1.11
Milling-machine operators, class C	.87	1.05	(³)	1.06	.71	.93	.98	1.11
Stock clerks	1.01	.88	(³)	.75	.98	.94	1.02	.96

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately. Practically all of the establishments in the Pacific region were located in communities of 100,000 and over.³ Insufficient number of workers to justify presentation of an average.

TABLE 4.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Aircraft Engine and Engine Parts establishments, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Assemblers, class A.....	1,905	\$1.19	1,047	\$1.48	\$1.02	\$1.53	\$1.03	\$1.47	\$1.22	\$1.59
Assemblers, class B.....	8,785	1.17	3,165	1.38	.84	1.37	1.00	1.17	1.19	1.59
Assemblers, class C.....	2,814	1.01	1,790	1.27	(*)	1.20	.97	.86	1.06	1.54
Drill-press operators, single- and multiple-spindle, class B.....	3,480	1.13	1,123	1.32	.87	1.30	1.01	1.16	1.15	1.53
Drill-press operators, single- and multiple-spindle, class C.....	2,319	1.08	827	1.29	.90	1.20	.88	.96	1.11	1.36
Engine-lathe operators, class A.....	415	1.24	416	1.42	1.09	1.50	1.15	1.38	1.32	1.60
Engine-lathe operators, class B.....	1,721	1.14	658	1.37	.89	1.42	1.06	1.23	1.18	1.61
Engine-lathe operators, class C.....	414	.94	87	1.22	.99	1.23	.89	(*)	.99	1.25
Grinding-machine operators, class A.....	2,006	1.29	1,576	1.46	1.14	1.62	1.23	1.39	1.30	1.58
Grinding-machine operators, class B.....	10,415	1.19	1,909	1.39	1.05	1.45	1.14	1.21	1.20	1.52
Grinding-machine operators, class C.....	1,031	1.04	714	1.40	(*)	1.33	1.06	.87	1.09	1.59
Inspectors, class A.....	3,851	1.30	1,029	1.38	1.08	1.59	1.12	1.37	1.33	1.41
Inspectors, class B.....	7,453	1.17	1,720	1.25	.92	1.33	1.03	1.10	1.19	1.33
Inspectors, class C.....	5,332	1.10	1,172	1.17	.85	1.16	1.00	1.05	1.10	1.44
Milling-machine operators, class A.....	390	1.26	306	1.54	1.05	1.54	1.12	1.46	1.30	1.60
Milling-machine operators, class B.....	2,636	1.15	1,118	1.39	.87	1.40	1.09	1.27	1.17	1.58
Milling-machine operators, class C.....	1,516	1.08	324	1.26	.95	1.19	.94	.94	1.14	1.61
Polishers and buffers, metal.....	1,489	1.25	1,364	1.44	(*)	1.35	1.12	1.37	1.28	1.71
Polishing-and-buffing-machine operators.....	2,559	1.14	218	1.10	.90	1.09	1.05	1.02	1.15	1.52
Screw-machine operators, automatic, class B.....	1,226	1.18	428	1.28	.99	1.45	1.14	1.16	1.20	1.32
Turret-lathe operators, hand, class A.....	1,417	1.29	552	1.55	1.07	1.38	1.06	1.55	1.33	1.67
Turret-lathe operators, hand, class B.....	5,236	1.16	1,147	1.41	1.00	1.44	1.10	1.22	1.18	1.54
Turret-lathe operators, hand, class C.....	389	.93	952	1.33	(*)	1.29	.88	.88	.97	1.54
<i>Women</i>										
Assemblers, class B.....	2,381	1.10	767	1.23	.78	.86	.71	1.23	1.12	1.35
Assemblers, class C.....	5,281	.87	2,198	1.11	.64	1.09	.70	.77	1.01	1.19
Drill-press operators, single- and multiple-spindle, class C.....	3,706	.99	1,083	1.04	.68	1.05	.85	.79	1.04	1.07
Grinding-machine operators, class B.....	3,479	1.13	742	1.24	(*)	1.30	1.00	1.23	1.16	1.28
Inspectors, class B.....	4,556	1.10	1,300	1.12	.81	1.23	.89	1.09	1.12	1.31
Inspectors, class C.....	14,993	.94	2,111	1.04	.72	1.05	.75	.80	.99	1.10
Milling-machine operators, class C.....	1,335	.99	376	1.19	.75	1.19	.88	.83	1.05	1.27
Screw-machine operators, automatic, class C.....	91	.80	207	1.26	.68	(*)	.77	(*)	.79	1.29
Turret-lathe operators, hand, class C.....	568	.99	242	1.03	(*)	1.23	1.03	.88	1.00	1.05

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately. No incentive workers were reported in the Pacific region.

(*) Insufficient number of workers to justify presentation of an average.

TABLE 5.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Aircraft Engine and Engine Parts establishments, by wage area, January 1945

Occupation, grade, and sex	Buffalo, N. Y.	Chicago, Ill.	Cleveland, Ohio	Detroit, Mich.	New York N. Y.
<i>Men</i>					
Assemblers, class A			\$1.25	(?)	\$1.08
Assemblers, class B	\$1.12	\$1.20	1.21	\$1.124	1.01
Assemblers, class C	1.07	1.07	1.01	1.18	.80
Automatic-lathe operators, class B	1.14	1.17	1.30	1.32	(?)
Carpenters, maintenance	1.19	1.25	1.36	1.27	.99
Drill-press operators, single- and multiple-spindle, class B	1.11	1.17	1.12	1.35	.95
Drill-press operators, single- and multiple-spindle, class C	1.00	1.10	.93	1.17	.97
Electricians, maintenance	1.24	1.28	1.33	1.33	1.09
Engine-lathe operators, class A	(?)	(?)	1.21	1.42	1.15
Engine-lathe operators, class B	1.16	1.18	1.07	1.31	.96
Engine-lathe operators, class O	1.03	1.11	(?)	1.18	.86
Grinding-machine operators, class A	1.30	1.16	1.34	1.40	(?)
Grinding-machine operators, class B	1.16	1.20	1.22	1.29	.95
Grinding-machine operators, class C	1.08	(?)	1.03	1.28	.84
Guards		1.02	1.07	1.06	.85
Heat treaters, class B	1.09		1.08	1.12	1.00
Inspectors, class A	(?)	1.42	1.30	1.34	1.25
Inspectors, class B	1.18	1.20	1.20	1.26	1.00
Inspectors, class C	1.09	1.10	1.11	1.15	.81
Janitors	.86	.88	.96	.93	.76
Machine-tool operators, miscellaneous machines	1.09	(?)	1.19	1.42	1.04
Machinists, maintenance	1.26	1.40	1.40	1.44	1.26
Machinists, production	1.16		1.41	1.32	1.27
Maintenance men, general utility		1.25	1.11	1.30	1.14
Milling-machine operators, class B	1.18	1.15	1.19	1.31	.97
Milling-machine operators, class C	1.06	1.12	1.00	1.18	.87
Millwrights	1.23	1.21	1.30	1.27	1.07
Polishers and buffers, metal	1.14	1.25	1.19	1.35	1.03
Polishing-and-buffing-machine operators	1.09	1.16	1.20	1.16	.81
Punch-press operators, class B	1.05		1.22	1.18	.84
Screw-machine operators, automatic, class B	1.19	1.22	1.33	1.31	(?)
Set-up men, machine tools	1.24	1.36	1.40	1.42	1.08
Stock clerks	1.04	1.01	(?) .97	1.11	.88
Testers, class B		1.26		1.24	.97
Tool-and-die makers	1.39	1.52	1.57	1.58	1.44
Truck drivers	(?)	1.07	1.04	1.07	.90
Truckers, hand	.99	(?)	.88	.97	.82
Truckers, power	1.05	1.02	.96	1.07	(?)
Turret-lathe operators, hand, class A	(?)	1.20	1.36	1.31	1.25
Turret-lathe operators, hand, class B	1.13	1.17	1.22	1.28	1.01
Turret-lathe operators, hand, class C	.93		1.03	1.15	.86
<i>Women</i>					
Assemblers, class B	(?)	1.20	1.03	1.24	(?)
Assemblers, class C	1.01	.96	1.01	1.05	.65
Drill-press operators, single- and multiple-spindle, class B	(?)	1.11	.91	1.19	.84
Drill-press operators, single- and multiple-spindle, class C	1.04	1.08	.94	1.08	.71
Engine-lathe operators, class C	1.06	(?)	.87	1.09	.75
Grinding-machine operators, class C	1.06		1.02	1.17	.80
Inspectors, class B	(?)	1.19	1.01	1.21	.90
Inspectors, class C	1.06	1.06	.91	1.04	.68
Janitors	.92	.89	.80	.93	.76
Milling-machine operators, class C	1.05	1.07	.96	1.09	.82
Polishing-and-buffing-machine operators	1.08	1.11	1.04	1.04	.66
Stock clerks	1.04	1.02	.75	1.09	.87
Turret-lathe operators, hand, class C	1.00	1.06	.93	1.06	.87

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Electric Generating and Distribution Equipment

The study covered establishments with 8 or more workers primarily engaged in manufacturing electrical prime movers and other electric power equipment, including steam-turbine generator sets, for use in the generation, transmission, or utilization of electric energy. Important products in this industry are motors, generators, transformers, switchboards, panel boards, welding apparatus, and ignition apparatus for internal-combustion engines, including spark plugs, mag-

netos, coils, and distributors. The scope corresponds to industries 3619 and 3641 as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget.

A total of 267 establishments, employing approximately 142,000 workers, were included in the study. The covered establishments accounted for three-sevenths of the plants with 8 or more workers and about two-fifths of the employment in the industry in January 1945.

TABLE 6.—Percentage distribution of plant workers in establishments manufacturing Electric Generating and Distribution Equipment by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—		
	All workers	Men	Women	Great Lakes	Middle West	Pacific
Under 50.0 cents	0.3	(³)	0.7	0.1	1.4	(³)
50.0-54.9 cents	1.1	0.2	2.5	.5	1.7	0.6
55.0-59.9 cents	2.2	.5	4.7	1.0	11.7	3.3
60.0-64.9 cents	4.3	1.2	8.9	3.4	15.5	2.4
65.0-69.9 cents	5.8	2.0	11.4	5.4	12.1	2.6
70.0-74.9 cents	7.5	3.6	13.6	9.4	10.2	5.1
75.0-79.9 cents	8.7	5.9	13.1	7.8	7.3	10.2
80.0-84.9 cents	7.2	5.7	9.6	6.6	8.4	9.2
85.0-89.9 cents	6.8	5.8	8.3	7.1	7.0	8.3
90.0-94.9 cents	9.3	8.1	10.9	11.5	5.9	6.4
95.0-99.9 cents	5.1	5.6	4.3	5.3	4.7	8.2
100.0-104.9 cents	6.4	8.1	3.9	6.5	3.6	4.8
105.0-109.9 cents	6.9	10.0	2.3	10.3	2.8	5.3
110.0-114.9 cents	4.7	6.9	1.4	6.0	1.9	4.3
115.0-119.9 cents	3.8	5.2	1.6	3.4	1.3	4.2
120.0-124.9 cents	3.2	4.8	.8	2.7	1.2	5.7
125.0-129.9 cents	3.0	4.7	.6	2.6	.8	3.3
130.0-134.9 cents	2.7	4.2	.4	2.4	.5	3.4
135.0-139.9 cents	2.1	3.3	.3	1.6	.6	1.9
140.0-144.9 cents	1.8	2.7	.3	1.5	.5	2.4
145.0-149.9 cents	1.7	2.7	.1	1.2	.6	3.1
150.0-159.9 cents	2.1	3.5	.1	1.7	.3	2.4
160.0-169.9 cents	1.2	2.0	.1	.9	(³)	2.1
170.0-179.9 cents	.9	1.4	.1	.5	(³)	.7
180.0-189.9 cents	.4	.7	(³)	.2	(³)	.1
190.0-199.9 cents	.5	.7	(³)	.2	(³)	
200.0 cents and over	.3	.5	(³)	.2	(³)	
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	235,500	171,700	113,800	122,200	11,900	10,400
Average hourly earnings ¹	\$0.98	\$1.09	\$0.80	\$0.97	\$0.78	\$1.06

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Less than 0.05 of 1 percent.

TABLE 7.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in establishments manufacturing Electric Generating and Distribution Equipment, by selected regions, January 1945

Occupation, grade, and sex	Great Lakes	Middle West	Pacific	Occupation, grade, and sex	Great Lakes	Middle West	Pacific
<i>Men</i>				<i>Men—Continued</i>			
Assemblers, class A.....	\$1.13	\$1.06	\$1.24	Tool-and-die makers.....	\$1.45	\$1.38	\$1.49
Assemblers, class B.....	1.05	.83	1.20	Truck drivers.....	.90	.78	.99
Assemblers, class C.....	.92	.75	1.00	Truckers, hand.....	.83	.64	1.11
Automatic-lathe operators, class A.....	1.23	1.02	.....	Truckers, power.....	1.02	.77	.93
Automatic-lathe operators, class B.....	1.34	.95	.....	Turret-lathe operators, hand (including hand-screw machine), class A.....	1.22	1.03	1.35
Carpenters, maintenance.....	1.10	.96	1.17	Turret-lathe operators, hand (including hand-screw machine), class B.....	1.14	.91	1.40
Chippers and grinders.....	.88	.75	1.06	Turret-lathe operators, hand (including hand-screw machine), class C.....	1.00	.84	1.15
Crane operators, electric bridge.....	.95	(²)	(²)	Watchmen.....	.71	.67	.83
Die setters.....	1.21	.89	.....	Welders, hand, class A.....	1.27	1.06	1.35
Drill-press operators, radial, class A.....	1.21	.....	(²)	Welders, hand, class B.....	1.01	.92	1.11
Drill-press operators, radial, class B.....	1.04	(²)	(²)	Welders, machine, class A.....	1.23	(²)	1.14
Drill-press operators, single- and multiple-spindle, class A.....	1.07	1.00	1.07	Welders, machine, class B.....	1.14	.84	(²)
Drill-press operators, single- and multiple-spindle, class B.....	1.11	.82	1.00	Winders, armature.....	1.09	1.06	1.38
Drill-press operators, single- and multiple-spindle, class C.....	1.04	.73	1.03	Winders, coil.....	.96	.99	1.18
Electricians, maintenance.....	1.15	.98	1.35	Wires, class A.....	1.12	(²)	(²)
Engine-lathe operators, class A.....	1.28	1.05	1.30	Wires, class B.....	.86	(²)	(²)
Engine-lathe operators, class B.....	1.14	.92	1.27	Working foremen, processing departments.....	1.20	1.08	1.39
Engine-lathe operators, class C.....	1.15	.90	.92	Assemblers, class B.....	.89	.84	1.01
Grinding-machine operators, class A.....	1.22	(²)	1.27	Assemblers, class C.....	.82	.65	.78
Grinding-machine operators, class B.....	1.30	.95	1.37	Chippers and grinders.....	.80	.75	.....
Grinding-machine operators, class C.....	1.07	.84	1.22	Drill-press operators, single- and multiple-spindle, class B.....	.98	.83	.84
Guards.....	.99	.67	.90	Drill-press operators, single- and multiple-spindle, class C.....	.87	.77	.97
Inspectors, class A.....	1.19	1.13	1.32	Engine-lathe operators, class B.....	1.07	(²)	.....
Inspectors, class B.....	1.07	.87	1.12	Engine-lathe operators, class C.....	1.00	.69	.....
Inspectors, class C.....	.95	.76	1.03	Grinding-machine operators, class B.....	1.06	(²)	(²)
Janitors.....	.79	.64	.87	Grinding-machine operators, class C.....	.94	.65	.....
Lay-out men, class A.....	1.66	1.06	(²)	Inspectors, class A.....	.92	(²)	1.02
Lay-out men, class B.....	1.09	.84	.....	Inspectors, class B.....	.91	.74	.95
Machine-tool operators, miscellaneous machines.....	1.03	(²)	1.15	Inspectors, class C.....	.83	.72	.79
Machinists, maintenance.....	1.32	1.03	1.33	Janitors.....	.71	.63	.77
Machinists, production.....	1.23	1.21	1.40	Milling-machine operators, class C.....	.94	.72	(²)
Maintenance men, general utility.....	.98	.97	(²)	Painters, rough.....	.88	(²)	.....
Mechanics, maintenance.....	1.28	(²)	1.34	Punch-press operators, class B.....	.87	.71	.97
Milling-machine operators, class A.....	1.30	(²)	1.21	Solderers.....	.78	.63	.90
Milling-machine operators, class B.....	1.12	.84	1.29	Stock clerks.....	.79	.69	.79
Milling-machine operators, class C.....	.99	.83	.....	Testers, class B.....	.92	.71	.88
Millwrights.....	1.15	.99	1.18	Testers, class C.....	.75	.65	.75
Painters, finish.....	.99	.91	1.08	Turret-lathe operators, hand (including hand-screw machine), class B.....	1.05	(²)	1.09
Painters, rough.....	.96	.77	1.29	Turret-lathe operators, hand (including hand-screw machine), class C.....	.91	.77	1.01
Platers.....	1.09	.93	.96	Welders, hand, class B.....	.87	(²)	.....
Platers' helpers.....	.91	.....	.78	Welders, machine, class B.....	.91	(²)	.88
Polishing-and-buffing-machine operators.....	1.05	.78	(²)	Winders, armature.....	.94	.68	1.06
Power-shear operators, class B.....	1.05	(²)	1.20	Winders, coil.....	.82	.64	.95
Punch-press operators, class A.....	1.05	.78	1.02	Wires, class B.....	.83	(²)	(²)
Punch-press operators, class B.....	1.04	.78	1.02	Wires, class C.....	.77	(²)	.....
Screw-machine operators, automatic, class A.....	1.22	1.20	1.50	Working foremen, processing departments.....	.94	.70	1.12
Screw-machine operators, automatic, class B.....	1.30	.95	1.27				
Screw-machine operators, automatic, class C.....	.96	(²)	1.05				
Set-up men, machine tools.....	1.22	.98	1.22				
Solderers.....	1.09	.79	(²)				
Stock clerks.....	.92	.76	1.04				
Testers, class A.....	1.17	.99	1.29				
Testers, class B.....	1.04	.88	1.67				
Testers, class C.....	.84	.78	.96				

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 8.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in establishments manufacturing Electric Generating and Distribution Equipment, selected regions,² by size of establishment, January 1945

Occupation, grade, and sex	Great Lakes				Pacific ³	
	Establishments with—					
	8-50 workers	51-250 workers	251-500 workers	501 workers and over	51-250 workers	251-500 workers
<i>Men</i>						
Assemblers, class A.....	\$1.15	\$1.15	\$1.13	\$1.12	\$1.15	\$1.56
Assemblers, class B.....	.96	.96	.98	1.07	1.03	1.45
Assemblers, class C.....	.77	.80	.74	1.00	.90	1.38
Carpenters, maintenance.....		1.14	.87	1.13		(⁴)
Chippers and grinders.....	(⁴)	.88	.90	.88	(⁴)	(⁴)
Die setters.....	(⁴)	1.00	1.01	1.23		
Drill-press operators, single- and multiple-spindle, class A.....	(⁴)	1.04	1.02	1.08	1.07	
Drill-press operators, single- and multiple-spindle, class B.....	.97	.88	.86	1.16	.95	
Drill-press operators, single- and multiple-spindle, class C.....	.76	.89	.78	1.07	.88	1.09
Electricians, maintenance.....	(⁴)	.96	.99	1.17		1.70
Engine-lathe operators, class A.....	1.34	1.20	1.17	1.32	1.21	(⁴)
Engine-lathe operators, class B.....	1.16	1.08	.94	1.17	(⁴)	1.33
Engine-lathe operators, class C.....		.88		1.13	(⁴)	.90
Grinding-machine operators, class A.....	1.41	1.07	1.13	1.24	1.25	
Grinding-machine operators, class B.....	(⁴)	1.20	1.07	1.34		1.39
Grinding-machine operators, class C.....		1.03	1.01	1.09	(⁴)	1.29
Guards.....		.80	.83	1.01	.85	1.14
Inspectors, class A.....	(⁴)	1.21	1.08	1.20	1.18	1.55
Inspectors, class B.....		.90	.92	1.08	1.05	1.20
Inspectors, class C.....		.79	.85	.97	.92	.99
Janitors.....	.75	.73	.71	.81	.80	1.02
Machine-tool operators, miscellaneous machines.....	.92	1.12		1.09	1.19	1.02
Machinists, maintenance.....	1.13	1.03	1.12	1.35		1.35
Machinists, production.....	1.13	1.31	1.28	1.13	1.27	1.67
Maintenance men, general utility.....		1.06	1.07	.94		(⁴)
Mechanics, maintenance.....		1.19	1.16	1.29	1.24	(⁴)
Milling-machine operators, class A.....	1.37	1.45	(⁴)	1.27	1.16	(⁴)
Milling-machine operators, class B.....	(⁴)	1.01	.96	1.15	1.03	1.29
Milling-machine operators, class C.....		.97	.87	1.03		
Punch-press operators, class A.....	.98	1.02	(⁴)	1.06	1.11	
Punch-press operators, class B.....	(⁴)	.87	.92	1.08	1.09	
Screw-machine operators, automatic, class A.....	(⁴)	1.07	.98	1.25	(⁴)	
Screw-machine operators, automatic, class B.....	(⁴)	1.00	1.15	1.32		
Screw-machine operators, automatic, class C.....		(⁴)	1.05	.96		1.05
Set-up men, machine tools.....	(⁴)	1.34	1.12	1.23	(⁴)	1.21
Solders.....	(⁴)	.97	(⁴)	1.16		
Stock clerks.....	.84	.83	.81	.94	.95	1.20
Testers, class A.....	1.15	1.27	1.03	1.16	1.18	(⁴)
Testers, class B.....	(⁴)	.96	.92	1.06		1.67
Testers, class C.....		.86	.91	.83		.96
Tool-and-die makers.....	1.46	1.47	1.30	1.45	1.50	1.46
Truck drivers.....	.88	.88	.79	.82	.91	(⁴)
Truckers, hand.....		.77	.71	.84	(⁴)	1.15
Turret-lathe operators, hand (including hand-screw machine), class A.....	1.13	1.21	1.11	1.25	1.25	
Turret-lathe operators, hand (including hand-screw machine), class B.....	1.30	1.01	1.06	1.16	1.10	1.59
Turret-lathe operators, hand (including hand-screw machine), class C.....	(⁴)	.94	.95	1.03	.96	1.29
Watchmen.....	(⁴)	.64	.75	.75	(⁴)	(⁴)
Welders, hand, class A.....	1.29	1.32	1.15	1.27	1.24	1.42
Welders, hand, class B.....	.94	.97	.94	1.04	(⁴)	1.11
Welders, machine, class B.....	.82	1.15		1.16	(⁴)	
Winders, armature.....	1.13	1.05	1.07	1.09	1.20	1.62
Winders, coil.....	.89	.86	.86	1.05	.98	1.50
Wirers, class A.....		1.23	(⁴)	1.07		
Wirers, class B.....	(⁴)	.82	(⁴)	.90	(⁴)	
Working foremen, processing departments.....	1.22	1.13	1.04	1.23	1.36	1.89
<i>Women</i>						
Assemblers, class B.....	.79	.70	.88	.94	.86	(⁴)
Assemblers, class C.....	.77	.69	.72	.84	.76	(⁴)
Drill-press operators, single- and multiple-spindle, class B.....	(⁴)	.81	(⁴)	1.02	.84	
Drill-press operators, single- and multiple-spindle, class C.....	.69	.75	.80	.91	.76	.97
Inspectors, class B.....	.81	.77	.91	.93	.91	
Inspectors, class C.....	.79	.85	.74	.84	.72	.99
Janitors.....	.63	.68	.60	.72	.76	(⁴)
Punch-press operators, class B.....	.69	.77	.74	.89	(⁴)	
Solders.....	(⁴)	.72	.66	.81		
Stock clerks.....	(⁴)	.68	.68	.85	(⁴)	(⁴)
Testers, class B.....	(⁴)	.91		.92		
Testers, class C.....	(⁴)	.74		.79	.90	
Winders, armature.....	.69	.88	.76	.96	.98	1.25
Winders, coil.....	.71	.72	.74	.84	.91	1.20
Wirers, class B.....		.83		.87		
Wirers, class C.....	.67	.76	.72	.80		
Working foremen, processing departments.....	.88	.93	.85	.95	1.17	(⁴)

¹ Excludes premium pay for overtime and night work.² Data for Middle West is not presented, since the bulk of employment in this region was in establishments employing over 500 workers.³ Insufficient coverage of establishments with less than 50 and more than 500 workers to justify presentation of data.⁴ Insufficient number of workers to justify presentation of an average.

WAGE STRUCTURE—METALWORKING INDUSTRIES, 1945

TABLE 9.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in establishments manufacturing Electric Generating and Distribution Equipment, selected regions, by unionization, January 1945

Occupation, grade, and sex	Great Lakes		Pacific	
	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
<i>Men</i>				
Assemblers, class A	\$1.14	\$1.09	\$1.32	\$1.06
Assemblers, class B	1.08	.91	1.22	1.17
Assemblers, class C	.96	.81	1.07	.79
Carpenters, maintenance	1.10	1.10	1.19	1.16
Chippers and grinders	.88	.90	.99	(?)
Die setters	1.22	1.08		
Drill-press operators, single- and multiple-spindle, class B	1.15	.92	1.04	.90
Drill-press operators, single- and multiple-spindle, class C	1.05	.92	1.06	(?)
Electricians, maintenance	1.17	1.04	1.47	1.04
Engine-lathe operators, class A	1.28	1.20	1.34	1.17
Engine-lathe operators, class B	1.17	1.06	1.31	(?)
Engine-lathe operators, class C	1.17	1.02	.92	
Grinding-machine operators, class A	1.29	1.09	1.27	(?)
Grinding-machine operators, class B	1.31	1.17	1.37	
Grinding-machine operators, class C	1.08	.93	1.22	
Guards	1.02	.76	.92	.87
Inspectors, class A	1.20	1.13	1.39	1.28
Inspectors, class B	1.08	.96	1.13	1.07
Inspectors, class C	.98	.97		(?)
Janitors	.81	.70	.89	.81
Machinists, maintenance	1.33	1.04	1.33	
Machinists, production	1.28	1.18	1.49	1.28
Maintenance men, general utility	1.00	.93	(?)	
Mechanics, maintenance	1.30	1.10	1.34	
Milling-machine operators, class A	1.31	1.21	1.28	1.10
Milling-machine operators, class B	1.16	.94	1.33	(?)
Milling-machine operators, class C	1.02	.80		
Millwrights	1.16	.98	(?)	(?)
Punch-press operators, class A	1.08	.98	1.20	
Punch-press operators, class B	1.06	.85	1.04	.95
Set-up men, machine tools	1.23	1.13	1.22	
Solderers	1.16	.94		(?)
Stock clerks	.93	.84	1.05	.96
Testers, class A	1.19	1.11	(?)	1.24
Testers, class B	1.08	.99	1.67	
Testers, class C	.84	.83	.96	
Tool-and-die makers	1.45	1.41	1.48	1.52
Truckers, hand	.84	.78	1.11	
Turret-lathe operators, hand (including hand-screw machine), class A	1.24	1.18	1.36	1.25
Turret-lathe operators, hand (including hand-screw machine), class B	1.15	1.05	1.50	1.00
Turret-lathe operators, hand (including hand-screw machine), class C	.97	1.08	1.20	(?)
Welders, hand, class A	1.28	1.27	1.37	(?)
Welders, hand, class B	1.03	.97	1.14	(?)
Winders, armature	1.09	1.08	1.40	(?)
Winders, coil	.98	.83	1.35	1.00
<i>Women</i>				
Assemblers, class B	.91	.81	1.05	.89
Assemblers, class C	.83	.74	.77	.79
Chippers and grinders	.80	.60		
Drill-press operators, single- and multiple-spindle, class B	1.00	.75	.84	.85
Drill-press operators, single- and multiple-spindle, class C	.90	.77	.97	(?)
Inspectors, class B	.94	.79	.96	.93
Inspectors, class C	.85	.75	.79	(?)
Janitors	.72	.61	.76	(?)
Punch-press operators, class B	.89	.78	.97	
Solderers	.84	.70	.90	(?)
Stock clerks	.81	.70	(?)	.78
Testers, class B	.92	.91	(?)	.89
Testers, class C	.79	.68		.75
Winders, armature	.95	.89	1.16	.93
Winders, coil	.83	.78	1.15	.90
Writers, class B	.87	.83	(?)	
Writers, class C	.79	.76		

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 10.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in establishments manufacturing Electric Generating and Distribution Equipment, selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	Great Lakes		Middle West		Pacific	
	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>						
Assemblers, class A.....	\$1.11	\$1.19	\$0.95	\$1.11	\$1.15	\$1.46
Assemblers, class B.....	1.00	1.18	.80	.86	1.01	1.29
Assemblers, class C.....	.78	1.03	.73	.77	.84	1.20
Chippers and grinders.....	.86	.94	.72	.81	(²)	1.11
Drill-press operators, radial, class A.....	1.15	1.32			(²)	
Drill-press operators, radial, class B.....	1.05	1.02	(²)	(²)	(²)	(²)
Drill-press operators, single- and multiple-spindle, class A.....	1.05	1.10	1.00	(²)	1.07	
Drill-press operators, single- and multiple-spindle, class B.....	.99	1.23	.80	.84	1.00	
Drill-press operators, single- and multiple-spindle, class C.....	1.01	1.12	.72	.75	.87	1.13
Engine-lathe operators, class A.....	1.28	1.27	(²)	1.05	1.22	1.51
Engine-lathe operators, class B.....	1.05	1.31	.88	.94	1.06	1.48
Engine-lathe operators, class C.....	.97	1.23	.94	.85	.92	(²)
Grinding-machine operators, class A.....	1.13	1.40	(²)	(²)	1.27	
Grinding-machine operators, class B.....	1.12	1.44	.87	.99	(²)	1.39
Grinding-machine operators, class C.....	1.00	1.16	(²)	.89	(²)	1.29
Inspectors, class B.....	1.04	1.34	.87	(²)	1.12	
Inspectors, class C.....	.95	.94	.75	.78	.97	(²)
Milling-machine operators, class A.....	1.27	1.35		(²)	1.16	(²)
Milling-machine operators, class B.....	1.04	1.36	(²)	.85	1.00	1.45
Milling-machine operators, class C.....	.95	1.06		.83		
Painters, finish.....	.89	1.14	.86	(²)	1.02	(²)
Painters, rough.....	.93	1.02	.76	.79	1.05	1.47
Punch-press operators, class A.....	.95	1.12	(²)	(²)	(²)	1.26
Punch-press operators, class B.....	1.01	1.07	.79	.78	.96	1.05
Set-up men, machine tools.....	1.22	1.28	.98	.99	1.14	1.51
Solderers.....	.96	1.22	(²)	.78	(²)	
Testers, class A.....	1.10	1.45	.99		1.18	(²)
Testers, class B.....	.96	1.22	.81	(²)		1.67
Testers, class C.....	.82	.94	.80	.73	.82	(²)
Turret-lathe operators, hand (including hand-screw machine), class A.....	1.17	1.25	(²)	1.04	1.25	1.48
Turret-lathe operators, hand (including hand-screw machine), class B.....	1.11	1.19	.94	.90	1.04	1.55
Turret-lathe operators, hand (including hand-screw machine), class C.....	.97	1.01	.90	.83	.96	1.29
Welders, hand, class A.....	1.22	1.37	1.06		1.24	1.39
Welders, hand, class B.....	.96	1.08	.86	.95	1.06	(²)
Welders, machine, class B.....	1.00	1.26	(²)	.86	(²)	
Winders, armature.....	1.02	1.17	(²)	1.07	1.20	1.62
Winders, coil.....	.90	1.04	(²)	1.00	1.00	1.50
<i>Women</i>						
Assemblers, class B.....	.83	.99	.73	.89	.86	1.22
Assemblers, class C.....	.77	.87	.61	.71	.73	.90
Chippers and grinders.....	.72	.89		.75		
Drill-press operators, single- and multiple-spindle, class B.....	.93	1.12	(²)	.84	.84	
Drill-press operators, single- and multiple-spindle, class C.....	.85	.90	.68	.81	.76	1.00
Inspectors, class C.....	.81	.87	.69	.77	.79	
Punch-press operators, class B.....	.85	.89	.68	.72	(²)	.98
Solderers.....	.72	.87	.61	(²)	.82	.93
Testers, class B.....	.91	.92	(²)	(²)	.88	
Testers, class C.....	.78	.83	.64	.72	.75	
Winders, armature.....	.81	1.03	.59	.79	.96	1.26
Winders, coil.....	.78	.88	.62	.64	.90	1.20
Writers, class C.....	.70	.92	(²)			

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Electroplating and Polishing

This study covered establishments primarily engaged in coating metal objects with various metal finishes by means of an electrolytic bath and in polishing and buffing them to impart a smooth finish and high luster. These plants operate on a jobbing or contract basis, plating and polishing metal parts owned by other manufacturing establishments. Thus, metalworking establishments that do their own electroplating

were excluded from this survey. The scope corresponds to industry 3472 as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget.

Included in the survey were 252 establishments with 9,717 workers—three-fifths of all establishments with 8 or more workers and over two-thirds of the workers in the industry in January 1945.

TABLE 11.—Percentage distribution of plant workers in Electroplating and Polishing establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—						
	All workers	Men	Women	New England	Middle Atlantic	Border States	Great Lakes	Middle West	South-west	Pacific
Under 45.0 cents	0.2	0.1	0.2		0.3		0.2			
45.0-49.9 cents	.3	.3	.2	0.7	(³)		.1			
50.0-54.9 cents	2.5	1.1	6.8	4.8	3.6	3.2	1.2	1.7		0.3
55.0-59.9 cents	3.9	2.0	9.7	5.5	6.4	1.0	2.7	2.5		
60.0-64.9 cents	8.1	4.6	18.9	10.8	14.8	13.8	3.9	11.6	7.7	2.3
65.0-69.9 cents	7.1	4.4	15.3	9.3	8.8	4.8	5.6	6.7	13.5	6.7
70.0-74.9 cents	9.9	7.7	16.8	7.9	10.4	19.0	11.3	24.7	5.8	2.6
75.0-79.9 cents	8.6	8.3	9.3	7.1	9.6	16.4	7.9	1.7	25.1	9.2
80.0-84.9 cents	8.5	8.6	8.3	8.8	9.5	11.2	8.5	8.2	7.7	5.6
85.0-89.9 cents	8.9	9.7	6.7	8.8	7.3	5.9	10.5	9.0	3.8	8.9
90.0-94.9 cents	7.6	9.1	3.4	8.4	6.2	4.3	9.4	2.5	1.9	4.8
95.0-99.9 cents	5.5	6.7	1.5	5.1	2.8	3.2	7.7	8.2	5.8	4.4
100.0-104.9 cents	7.2	9.0	1.5	9.2	6.2	2.7	7.7		3.8	7.5
105.0-109.9 cents	3.8	5.0	.3	2.3	2.4	3.2	5.2	1.7	5.8	4.2
110.0-114.9 cents	4.6	6.1	.2	4.1	4.1	2.7	4.2	21.5	7.7	7.5
115.0-119.9 cents	3.6	4.7	.2	1.2	3.1	2.7	3.2		1.9	10.5
120.0-124.9 cents	1.7	2.3	.1	1.5	1.1	1.6	1.5			5.4
125.0-129.9 cents	3.2	4.2	.4	1.6	1.1	1.6	3.4		1.9	11.8
130.0-134.9 cents	1.0	1.3	.2	.6	.1		1.7		3.8	1.5
135.0-139.9 cents	.8	1.0		.7	.5	2.7	.5			2.8
140.0-144.9 cents	.5	.7	(³)		.2		.7		1.9	1.4
145.0-149.9 cents	.1	.2		.1	.1		.1			.6
150.0-159.9 cents	.6	.8		.4	.6		.7		1.9	.8
160.0-169.9 cents	.3	.4		.2	.1		.5			.2
170.0-179.9 cents	.3	.4		.1	.6		.1			.6
180.0-189.9 cents	.2	.2		.4	.1		.2			.2
190.0-199.9 cents	.2	.2		.1			.3			
200.0-209.9 cents	.2	.2		.3	(³)		.2			
210.0-219.9 cents	.1	.1			(³)		.1			.2
220.0-229.9 cents	.1	.1					.1			
230.0-239.9 cents	.1	.1					.1			
240.0-249.9 cents	.1	.1			(³)		.1			
250.0 cents and over	.2	.3			(³)		.4			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	13,562	10,287	3,295	1,347	4,224	188	6,205	121	68	1,310
Average hourly earnings ¹	\$0.88	\$0.94	\$0.70	\$0.83	\$0.81	\$0.81	\$0.92	\$0.83	\$0.87	\$1.02

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Less than 0.05 of 1 percent.

TABLE 12.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, United States and selected regions, January 1945

Occupation and sex	United States ²		Average hourly rates					
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	Great Lakes	Middle West	Pacific
<i>Men</i>								
Janitors.....	111	\$0.73	(³)	\$0.70	(³)	\$0.73	(³)	\$0.81
Loaders and unloaders.....	206	.79	\$0.80	.73	(³)	.85	(³)	
Maintenance men, general utility.....	276	1.02	.94	1.02	\$1.04	1.02	(³)	1.20
Platers.....	2,277	1.00	.97	.93	.91	1.01	\$0.99	1.15
Platers' helpers.....	2,889	.78	.78	.72	.74	.82	.72	.89
Polishers and buffers, metal.....	894	1.18	.98	1.16	1.04	1.24	1.10	1.27
Polishing and buffing-machine operators.....	527	1.18	.79	.95	(³)	1.50	(³)	(³)
Truck drivers.....	182	.92	.83	.87	(³)	.97	(³)	1.02
Watchmen.....	132	.65	(³)	.64	(³)	.64	(³)	(³)
Working foremen, processing departments.....	586	1.20	1.16	1.21	(³)	1.15	(³)	1.30
<i>Women</i>								
Platers.....	97	.85		.69		.87		(³)
Platers' helpers.....	1,437	.68	.68	.63	.72	.70	.68	.84

¹ Excludes premium pay for overtime and night work.³ Insufficient number of workers to justify presentation of an average.² Includes data for other regions in addition to those shown separately.TABLE 13.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, United States and selected regions, by size of establishment, January 1945

Occupation and sex	United States ²				New England		Middle Atlantic		Great Lakes		Pacific	
	Establishments with—											
	8-50 workers		51 or more workers		8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates							
<i>Men</i>												
Janitors.....	42	\$0.75	69	\$0.71	(³)	(³)	\$0.77	\$0.62	\$0.72	\$0.73	(³)	(³)
Loaders and unloaders.....	60	.74	146	.81	(³)	\$0.84	.72	.73	.77	.88		
Maintenance men, general utility.....	147	1.03	129	1.01	\$0.99	.91	1.00	1.08	1.04	1.01	\$1.25	\$1.15
Platers.....	1,155	1.00	1,122	1.01	.99	.93	.90	.97	1.02	1.00	1.19	1.12
Platers' helpers.....	1,542	.78	1,347	.77	.79	.77	.76	.67	.80	.83	.92	.88
Polishers and buffers, metal.....	596	1.19	298	1.16	.99	.95	1.13	1.20	1.28	1.18	1.30	1.14
Polishing and buffing-machine operators.....	397	1.22	130	1.06	.76	(³)	.92	1.02	1.55	1.25	(³)	
Truck drivers.....	96	.93	86	.90	.82	.83	.89	.83	1.03	.92	1.03	1.01
Watchmen.....	79	.62	53	.68	(³)	(³)	.62	(³)	.61	.67	(³)	(³)
Working foremen, processing departments.....	337	1.20	249	1.20	1.21	1.08	1.21	1.21	1.15	1.16	1.32	1.28
<i>Women</i>												
Platers.....	21	.85	76	.85			(³)	.70	.86	.87	(³)	
Platers' helpers.....	512	.70	925	.67	.68	.68	.67	.61	.70	.70	.83	.86

¹ Excludes premium pay for overtime and night work.³ Insufficient number of workers to justify presentation of an average.² Includes data for other regions in addition to those shown separately.

WAGE STRUCTURE—METALWORKING INDUSTRIES, 1945

TABLE 14.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, United States and selected regions, by size of community, January 1945

Occupation and sex	United States ²		New England		Middle Atlantic		Great Lakes	
	Communities of—							
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
<i>Men</i>								
Loaders and unloaders.....	\$0.80	\$0.79	(³)	\$0.75	(³)	\$0.73	\$0.82	\$0.88
Maintenance men, general utility.....	.85	1.05	(³)	.95	\$0.83	1.10	.87	1.04
Platers.....	.94	1.00	\$0.98	.97	.86	.93	.95	1.01
Platers' helpers.....	.74	.78	.75	.78	.72	.72	.76	.82
Polishers and buffers, metal.....	.99	1.19	1.06	.97	.87	1.18	1.02	1.26
Polishing-and-buffing-machine operators.....	.92	1.20	(³)	.79	.76	.96	1.08	1.53
<i>Women</i>								
Platers' helpers.....	.66	.68	.76	.66	.70	.62	.62	.71

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately. All establishments in these other regions were situated in communities of 100,000 or more.³ Insufficient number of workers to justify presentation of an average.TABLE 15.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, United States and selected regions, by unionization, January 1945

Occupation and sex	United States ²				Average hourly rates in—					
	Union establishments		Nonunion establishments		Middle Atlantic		Great Lakes		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
<i>Men</i>										
Janitors.....	41	\$0.74	69	\$0.72	\$0.72	\$0.68	\$0.74	\$0.72	(³)	(³)
Loaders and unloaders.....	106	.78	100	.80	.71	.77	.86	.84		
Maintenance men, general utility.....	91	1.03	184	1.01	.99	1.04	1.05	1.01	\$1.22	\$1.19
Platers.....	681	1.00	1,596	1.00	.94	.91	1.01	1.01	1.18	1.13
Platers' helpers.....	919	.73	1,970	.80	.69	.76	.82	.81	.93	.88
Polishers and buffers, metal.....	279	1.16	616	1.19	1.07	1.23	1.25	1.24	1.21	1.32
Polishing-and-buffing-machine operators.....	171	1.11	357	1.22	1.03	.88	1.28	1.57		(³)
Truck drivers.....	54	.90	128	.92	.88	.85	(³)	.98	(³)	1.02
Watchmen.....	42	.66	90	.64	.60	.66	.69	.61		(³)
Working foremen, processing departments	133	1.25	453	1.19	1.33	1.15	1.16	1.15	1.30	1.30
<i>Women</i>										
Platers.....	72	.84	25	.86		.69	.84	1.06	(³)	
Platers' helpers.....	677	.68	760	.69	.62	.68	.73	.68	.86	.83

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 16.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, United States and selected regions, by method of wage payment, January 1945

Occupation and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Platers.....	2,109	\$1.00	168	\$0.99	\$0.97	\$0.97	\$0.93	\$0.86	\$1.01	\$1.03
Platers' helpers.....	2,816	.78	73	.86	.77	.82	.72	(³)	.81	.89
Polishers and buffers, metal.....	615	1.07	279	1.43	.89	1.16	1.06	1.65	1.08	1.42
Polishing-and-buffing-machine operators.....	397	.97	130	1.82	.76	(³)	.95	(³)	1.07	1.92
<i>Women</i>										
Platers.....	82	.82	15	.98	-----	-----	.69	-----	.84	.98
Platers' helpers.....	1,291	.67	146	.75	.66	(³)	.63	-----	.69	.74

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.TABLE 17.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Electroplating and Polishing establishments, by wage area, January 1945

Occupation and sex	Bridgeport, Conn.	Chicago, Ill.	Cincinnati, Ohio	Cleveland, Ohio	Detroit, Mich.	Los Angeles, Calif.	Newark, N. J.	New York, N. Y.	Philadelphia, Pa.	Providence, R. I.	Worcester, Mass.
<i>Men</i>											
Janitors.....	(³)	\$0.71	(³)	\$0.75	\$0.82	\$0.81	\$0.78	\$0.72	\$0.66	-----	-----
Loaders and unloaders.....	(³)	.89	-----	(³)	.91	-----	.76	.69	.72	-----	(³)
Maintenance men, general utility.....	\$0.93	1.01	(³)	.98	1.16	1.20	1.11	1.00	.97	\$0.92	(³)
Platers.....	.97	.99	\$0.92	1.00	1.10	1.14	.89	.92	.97	.98	\$0.93
Platers' helpers.....	.73	.82	.69	.87	.96	.88	.73	.68	.72	.75	.81
Polishers and buffers, metal.....	.96	1.34	1.00	1.19	1.50	1.27	1.34	1.06	1.17	.92	1.06
Polishing-and-buffing-machine operators.....	(³)	1.78	-----	(³)	1.41	(³)	.75	1.00	(³)	(³)	-----
Truck drivers.....	(³)	.99	(³)	(³)	1.05	1.02	.88	.87	(³)	(³)	(³)
Watchmen.....	(³)	1.60	-----	(³)	.75	(³)	.64	.52	(³)	-----	-----
Working foremen, processing departments.....	(³)	1.05	(³)	1.20	1.41	1.30	1.31	1.26	(³)	1.11	1.01
<i>Women</i>											
Platers' helpers.....	-----	.68	.58	.72	.89	.84	-----	.59	.61	(³)	.70

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Fabricated Structural Steel

The study covered establishments primarily engaged in fabricating iron and steel shapes and plates produced in steel mills, into various shaped or assembled structural parts as required by manufacturers and builders. Typical products fabricated in these establishments include structural framing, stairs and staircases, fire escapes, grilles, fence posts, iron fences, and fabricated bars and rods for reinforcing concrete. The scope corresponds to industry 3381 as defined in the 1941

edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget.

At the time of the study, an estimated 600 establishments with 8 or more workers were primarily engaged in fabricating structural shapes and plates. The sample selected for study included 324 establishments with 8 or more workers. The data covered about 24,000 workers, representing approximately half the employment in the industry in January 1945.

TABLE 18.—Percentage distribution of plant workers in Fabricated Structural Steel establishments by straight-time average hourly earnings, ¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—							
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Pacific
Under 40.0 cents.....	0.1	0.1	0.1				(³)	0.1	0.1		
40.0-44.9 cents.....	.2	.2	.3		0.2	1.3	0.7	(³)	.2		0.1
45.0-49.9 cents.....	.2	.2	.1		(³)	.6	1.2	.1	.8		.1
50.0-54.9 cents.....	1.4	1.3	2.9	0.1	.1	1.4	9.3	.1	.7		4.3
55.0-59.9 cents.....	1.8	1.7	3.7		.6	6.7	8.9	.3	.7		4.5
60.0-64.9 cents.....	2.4	2.3	6.7		1.1	5.6	8.1	.4	4.4		11.6
65.0-69.9 cents.....	3.0	2.9	4.1	1.1	.8	6.3	9.4	1.7	4.1		9.8
70.0-74.9 cents.....	4.6	4.4	10.0	1.0	6.2	5.3	5.5	3.3	10.4		7.6
75.0-79.9 cents.....	8.2	8.1	10.6	1.7	10.0	7.3	6.8	9.2	9.0		11.0
80.0-84.9 cents.....	8.7	8.8	6.4	14.3	11.2	11.6	4.6	8.6	12.8		8.3
85.0-89.9 cents.....	10.0	10.2	6.2	5.9	13.1	11.5	6.3	12.3	8.8		5.9
90.0-94.9 cents.....	8.4	8.5	5.1	6.1	7.9	5.5	4.9	10.7	9.4		7.9
95.0-99.9 cents.....	8.5	8.7	2.6	15.5	6.6	3.4	3.9	10.1	16.0		5.2
100.0-104.9 cents.....	8.9	8.9	13.3	9.0	7.1	6.7	7.8	10.7	14.0		6.3
105.0-109.9 cents.....	6.4	6.5	3.5	15.4	5.6	2.3	6.8	7.4	2.6		4.7
110.0-114.9 cents.....	6.6	6.4	12.8	7.7	5.7	3.6	5.6	8.1	1.1		3.8
115.0-119.9 cents.....	4.5	4.6	2.5	3.1	7.1	4.5	3.9	4.3	1.2		2.2
120.0-124.9 cents.....	4.6	4.7	2.5	5.4	6.3	5.3	3.3	2.5	.9		2.4
125.0-129.9 cents.....	3.3	3.4	.4	3.2	2.7	6.6	1.4	1.8	.8		2.9
130.0-134.9 cents.....	2.7	2.7	1.7	1.7	1.7	.2	.3	4.4	.5		1.1
135.0-139.9 cents.....	1.6	1.6	.2	1.5	.9	.3	.4	1.2	.1		.4
140.0-144.9 cents.....	.7	.7	.8	.8	.8	.2	.3	.8		(³)	1.9
145.0-149.9 cents.....	.4	.4	.3	.5	.8		.1	.2			.9
150.0-159.9 cents.....	1.2	1.2	1.1	1.3	1.5	3.3	.3	.6			.4
160.0-169.9 cents.....	.6	.6	1.1	2.4	.5		.1	.4	.3		.2
170.0-179.9 cents.....	.5	.4	.8	.7	.9	.5	.1	.4	.1		(³)
180.0-189.9 cents.....	.2	.2		.1	.3			.2	.1		(³)
190.0-199.9 cents.....	.1	.1	.2	.3	.2			(³)			.1
200.0 cents and over.....	.2	.2		.1	.5		(³)	.1			.1
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	43,059	41,729	1,330	1,689	9,768	2,150	4,191	16,577	1,935	2,940	3,693
Average hourly earnings ¹.....	\$0.97	\$0.97	\$0.91	\$1.04	\$0.99	\$0.90	\$0.82	\$0.98	\$0.87	\$0.83	\$1.19

¹ Excludes premium pay for overtime and night work.

² Includes data for 2 establishments in the Mountain region.

³ Less than 0.05 of 1 percent.

TABLE 19.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Fabricated Structural Steel establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—							
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Pacific
<i>Men</i>										
Buckers-up.....	301	\$0.81	\$0.85	\$0.87	\$0.68	\$0.71	\$0.83	\$0.76	\$0.73	(³)
Carpenters, maintenance.....	64	1.18	1.35	1.01	1.43	(³)	1.08	(³)		\$1.29
Crane operators, electric bridge.....	912	.91	1.24	.92	.76	.89	.91	.82	.78	1.11
Electricians, maintenance.....	192	1.12	(³)	1.09	.97	1.06	1.17	1.00	1.12	1.24
Fitters, structural, class A.....	1,624	1.13	1.08	1.18	1.12	.99	1.11	.99	1.13	1.24
Fitters, structural, class B.....	1,661	.94	.93	1.00	.85	.82	.98	.88	.84	1.07
Guards.....	165	.71	(³)	.69	.43	.55	.92		(³)	(³)
Inspectors, class A.....	177	1.12	(³)	1.14	(³)	1.12	1.12	(³)	(³)	(³)
Inspectors, class B.....	231	1.01	(³)	.94	(³)		1.03	.98	(³)	
Inspectors, class C.....	86	.80		(³)			.79	(³)	(³)	
Janitors.....	343	.68	(³)	.66	.49	.50	.77	.50	.52	.87
Lay-out men, class A.....	1,125	1.19	1.25	1.25	1.08	1.05	1.18	1.07	1.09	1.37
Lay-out men, class B.....	511	.99	1.15	1.01	.94	.80	.97	.88	.94	1.25
Machinists, maintenance.....	206	1.11	.97	1.09	1.10	1.09	1.15	.94		1.32
Maintenance men, general utility.....	374	1.02	1.09	1.08	.90	.87	1.03	.76	.97	1.26
Painters, rough.....	906	.86	.97	.85	.64	.97	.87	.79	.73	1.07
Power-shear operators, class A.....	290	.99	1.06	.98	1.01	.91	1.00	.90	.91	1.18
Power-shear operators, class B.....	612	.86	(³)	.94	.83	.70	.89	.84	.75	1.07
Riveters, hydraulic.....	170	.86		.84		(³)	.92		(³)	
Riveters, pneumatic.....	434	.94	(³)	.98	.77	.94	.97	.91	.89	1.17
Stock clerks.....	194	.88	.88	.97	(³)	.85	.89	.81	.76	1.09
Truck drivers.....	540	.87	.92	.94	.77	.65	.91	.81	.71	1.07
Watchmen.....	452	.62	(³)	.64	.48	.54	.65	.63	.54	.85
Welders, hand, class A.....	4,659	1.11	1.09	1.14	1.08	1.06	1.07	1.04	1.14	1.27
Welders, hand, class B.....	3,388	1.05	.99	1.11	1.09	.93	1.08	.92	.96	1.17
Working foremen, processing departments.....	1,380	1.25	1.41	1.35	1.19	1.16	1.22	1.03	1.13	1.43
<i>Women</i>										
Welders, hand, class A.....	111	1.12	1.08	1.06			1.16		(³)	1.20
Welders, hand, class B.....	322	1.09	1.00	1.14			.96		.84	

¹ Excludes premium pay for overtime and night work.
² Includes data for 2 establishments in the Mountain region.

³ Insufficient number of workers to justify presentation of an average.

TABLE 20.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Fabricated Structural Steel establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²				Middle Atlantic		Southeast		Great Lakes		Southwest		Pacific	
	Establishments with—													
	8-50 workers		51 or more workers		8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates									
Buckers-up.....	83	\$0.87	218	\$0.78	\$0.91	\$0.81	(³)	\$0.73	\$0.81	\$0.83	(³)	\$0.72	(³)	-----
Crane operators, electric bridge.....	117	.88	795	.91	.91	.92	(³)	.92	.84	.92	(³)	.78	(³)	\$1.13
Electricians, maintenance.....	12	1.24	180	1.11	(³)	1.08	-----	1.06	(³)	1.17	(³)	(³)	(³)	1.22
Fitters, structural, class A.....	503	1.14	1,121	1.12	1.15	1.19	\$0.86	1.04	1.09	1.11	\$1.17	(³)	\$1.27	1.23
Fitters, structural, class B.....	413	.91	1,248	.95	.91	1.03	.67	.83	.88	.95	.85	.84	1.09	1.06
Janitors.....	56	.63	286	.69	.57	.68	(³)	.51	.61	.80	(³)	.50	(³)	.83
Lay-out men, class A.....	432	1.21	693	1.17	1.25	1.26	1.00	1.06	1.16	1.19	1.17	1.05	1.41	1.35
Lay-out men, class B.....	166	.98	345	.99	.97	1.02	.78	.80	1.00	.94	.90	.95	(³)	1.26
Machinists, maintenance.....	34	1.15	172	1.10	1.09	1.09	-----	1.09	(³)	1.16	-----	-----	1.35	1.27
Maintenance men, general utility.....	110	1.06	264	1.00	1.12	1.05	.85	.89	1.04	1.02	.99	.97	1.26	1.26
Painters, rough.....	173	.80	733	.88	.83	.86	.61	1.00	.81	.89	.70	.74	(³)	1.06
Power-shear operators, class A.....	82	.96	208	1.00	1.01	.97	(³)	.96	.94	1.07	(³)	.91	(³)	1.18
Power-shear operators, class B.....	186	.81	426	.89	.89	.97	.63	.79	.86	.89	(³)	.78	(³)	1.06
Riveters, hydraulic.....	19	.87	151	.86	(³)	.84	(³)	(³)	.91	.93	(³)	(³)	-----	-----
Riveters, pneumatic.....	188	.93	295	.95	.98	.97	(³)	1.04	.88	1.00	(³)	.88	(³)	(³)
Stock clerks.....	46	.84	149	.90	.88	1.05	(³)	.85	.85	.91	(³)	.79	(³)	1.09
Truck drivers.....	227	.90	313	.84	.96	.89	.63	.66	.90	.93	.71	.70	1.12	1.04
Watchmen.....	132	.62	320	.63	.53	.68	(³)	.58	.69	.62	(³)	.56	(³)	.86
Welders, hand, class A.....	1,102	1.15	3,557	1.10	1.17	1.12	.93	1.08	1.10	1.06	1.15	1.13	1.28	1.27
Welders, hand, class B.....	696	.97	2,693	1.07	1.04	1.13	.76	.95	.92	1.12	.91	.98	1.12	1.22
Working foremen, processing departments.....	447	1.34	933	1.20	1.48	1.25	1.07	1.18	1.32	1.15	1.21	1.10	1.47	1.42

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.³ Includes data for other regions in addition to those shown separately.TABLE 21.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Fabricated Structural Steel establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		Middle Atlantic		Border States		Southeast		Great Lakes		Southwest	
	Communities of—											
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Buckers-up.....	\$0.74	\$0.83	\$0.83	\$0.89	\$0.65	(³)	(³)	\$0.73	\$0.75	\$0.84	\$0.68	\$0.76
Crane operators, electric bridge.....	.88	.92	.92	.91	.68	\$0.92	(³)	.89	.80	.92	.77	.79
Electricians, maintenance.....	1.08	1.13	1.09	1.09	.95	(³)	1.05	1.08	1.18	(³)	(³)	(³)
Fitters, structural, class A.....	1.08	1.13	1.21	1.16	.99	1.30	\$0.78	1.02	.97	1.11	1.16	1.12
Fitters, structural, class B.....	.84	.96	.84	1.04	.87	.80	.75	.84	.87	.94	.77	.88
Guards.....	.57	.74	.75	(³)	.43	-----	-----	.55	-----	.92	-----	(³)
Inspectors, class A.....	1.10	1.12	1.13	(³)	(³)	-----	(³)	1.10	(³)	1.12	-----	(³)
Janitors.....	.59	.70	.68	.66	(³)	(³)	(³)	.50	.58	.80	(³)	.82
Lay-out men, class A.....	1.03	1.22	1.15	1.27	.95	1.23	.91	1.08	1.09	1.19	(³)	1.10
Lay-out men, class B.....	.90	1.01	.96	1.02	.90	.97	.68	.93	.93	.98	.95	.93
Machinists, maintenance.....	1.06	1.12	1.05	1.13	(³)	(³)	-----	1.09	(³)	1.15	-----	-----
Maintenance men, general utility.....	.98	1.03	(³)	1.10	.85	1.00	(³)	.90	1.08	1.02	.97	.98
Painters, rough.....	.76	.90	.88	.84	.61	.73	.64	1.01	.83	.88	.69	.76
Power-shear operators, class A.....	.97	.99	1.07	.97	1.00	(³)	(³)	.91	(³)	1.01	(³)	.92
Power-shear operators, class B.....	.89	.86	1.03	.89	.78	.85	.62	.70	.88	.89	(³)	.78
Riveters, pneumatic.....	.84	.98	.94	.99	.73	.89	(³)	1.01	.89	.99	.91	.88
Stock clerks.....	.79	.91	(³)	.97	(³)	(³)	(³)	.87	.69	.92	(³)	(³)
Truck drivers.....	.75	.89	.73	.98	.74	.80	.59	.68	.85	.93	(³)	.68
Watchmen.....	.58	.63	.63	.65	.43	.48	.48	.58	.65	.65	(³)	.55
Welders, hand, class A.....	1.07	1.12	1.17	1.13	1.04	1.16	1.06	1.06	.97	1.08	1.48	1.14
Welders, hand, class B.....	1.09	1.04	1.25	1.03	1.10	1.09	.88	.96	.96	1.09	.94	.97

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.³ Includes data for other regions in addition to those shown separately. Practically all workers in the New England, Middle West, Mountain, and Pacific regions were in communities of over 100,000.

TABLE 22.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Fabricated Structural Steel establishments, United States and selected regions, by unionization, January 1945

Occupation, grade, and sex	United States ¹				Average hourly rates in—									
	Union establishments		Nonunion establishments		Middle Atlantic		Border States		Southeast		Great Lakes		Southwest	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments
<i>Men</i>														
Buckers-up.....	237	\$0.83	64	\$0.74	\$0.87	(?)	(?)	\$0.65	\$0.74	(?)	\$0.85	\$0.76	\$0.73	(?)
Carpenters, maintenance.....	49	1.13	15	1.35	1.01	1.43	(?)	1.43	(?)	1.09	(?)	(?)	(?)	(?)
Crane operators, electric bridge.....	777	.92	135	.87	.92	\$0.89	\$0.71	.90	.95	\$0.82	.92	.85	.79	(?)
Electricians, maintenance.....	164	1.11	28	1.10	1.07	1.22	.94	(?)	1.05	(?)	1.17	(?)	1.12	(?)
Fitters, structural, class A.....	1,161	1.13	463	1.11	1.18	1.06	.96	1.18	1.08	.93	1.12	1.08	1.07	\$1.17
Fitters, structural, class B.....	1,277	.97	384	.86	1.02	.84	.80	.86	.86	.75	.94	.89	.91	.74
Inspectors, class A.....	121	1.14	55	1.08	1.14	1.08	(?)	(?)	1.10	(?)	1.16	1.07	(?)	(?)
Janitors.....	275	.69	88	.64	.64	.80	(?)	(?)	.51	.49	.81	.63	.49	(?)
Lay-out men, class A.....	816	1.21	307	1.13	1.26	1.14	1.01	1.12	1.09	1.00	1.20	1.13	1.09	1.09
Lay-out men, class B.....	392	1.01	119	.94	1.02	.94	1.05	.89	1.21	.74	.96	1.03	.95	.92
Machinists, maintenance.....	140	1.11	66	1.11	1.07	1.17	(?)	(?)	1.08	1.13	1.23	1.11	1.11	(?)
Maintenance men, general utility.....	300	1.03	73	.97	1.04	1.37	.90	.90	.96	.81	1.04	.92	.98	.96
Painters, rough.....	703	.89	203	.77	.86	.80	.63	.64	1.06	.63	.88	.86	.75	.68
Power-shear operators, class A.....	207	1.00	83	.97	.98	(?)	(?)	1.01	.88	.92	1.02	.92	.86	(?)
Power-shear operators, class B.....	467	.88	145	.82	.95	.89	.81	.87	.74	.62	.88	.89	.80	.71
Riveters, hydraulic.....	105	.82	66	.91	.81	1.00	(?)	(?)	(?)	(?)	.97	.91	(?)	(?)
Riveters, pneumatic.....	371	.95	63	.88	.98	.96	.73	.85	1.04	(?)	.98	.82	.90	(?)
Stock clerks.....	161	.90	84	.78	1.00	(?)	1.00	(?)	.86	.80	.90	(?)	.79	(?)
Truck drivers.....	381	.89	159	.81	.97	.86	.74	.81	.69	.62	.93	.87	.69	.72
Watchmen.....	323	.65	129	.55	.65	.60	(?)	.46	.60	.53	.67	.54	(?)	.57
Welders, hand, class A.....	3,318	1.10	1,340	1.13	1.12	1.18	1.00	1.21	1.04	1.08	1.08	1.03	1.16	1.12
Welders, hand, class B.....	2,782	1.07	605	.95	1.13	.96	(?)	1.10	.98	.86	1.10	.96	1.00	.90
Working foremen, processing departments.....	994	1.25	385	1.23	1.37	1.24	1.13	1.23	1.25	1.08	1.22	1.24	1.13	1.14
<i>Women</i>														
Welders, class A.....	86	1.13	25	1.11	.96	1.13	1.13	1.13	1.25	1.08	1.22	1.24	1.13	1.14

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 23.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Fabricated Structural Steel establishments, by wage area, January 1945

Occupation and grade	Birmingham, Ala.	Boston, Mass.	Buffalo, N. Y.	Chicago, Ill.	Cleveland, Ohio	Detroit, Mich.	Houston, Tex.	Los Angeles, Calif.	Newark, N. J.	New York, N. Y.	Philadelphia, Pa.	Portland, Ore.	St. Louis, Mo.	San Francisco, Calif.	Youngstown, Ohio
Buckers-up.....	(?)	(?)	(?)	\$0.75	1.02	1.14	\$0.78	1.09	\$0.92	\$1.15	\$0.79	(?)	\$0.82	1.33	\$1.00
Crane operators, electric bridge.....	\$0.97	(?)	\$0.97	.89	\$1.02	\$1.14	(?)	\$1.09	.96	(?)	.96	\$1.15	.81	\$1.13	.94
Fitters, structural, class A.....	1.01	\$1.05	1.21	1.05	1.19	1.39	1.20	1.22	1.27	1.13	1.11	1.24	1.01	1.33	1.14
Fitters, structural, class B.....	.78	.98	.99	.88	1.03	1.03	.93	1.07	1.01	1.16	1.03	1.06	.88	(?)	(?)
Janitors.....	.45	(?)	.76	.73	.82	.96	.58	.69	1.01	.85	.70	.97	.52	(?)	.78
Lay-out men, class A.....	1.07	1.23	1.31	1.17	1.34	1.35	1.13	1.37	1.29	1.46	1.16	1.33	1.03	1.39	1.18
Lay-out men, class B.....	1.17	1.04	1.11	1.17	1.17	1.17	.89	1.25	1.07	1.07	(?)	(?)	.88	(?)	(?)
Machinists, maintenance.....	1.07	(?)	(?)	1.11	1.11	(?)	(?)	(?)	(?)	(?)	(?)	(?)	.97	1.35	1.21
Maintenance men, general utility.....	(?)	1.13	.98	1.00	1.01	(?)	1.04	1.26	(?)	(?)	1.11	1.23	.75	(?)	1.15
Painters, rough.....	(?)	(?)	.84	.86	.93	1.05	.72	1.08	.93	.89	.80	1.02	.81	1.12	.94
Power-shear operators, class A.....	.97	(?)	1.07	(?)	1.02	(?)	(?)	(?)	(?)	(?)	1.04	1.23	(?)	(?)	(?)
Power-shear operators, class B.....	.70	(?)	.96	.86	.97	(?)	(?)	1.06	.95	(?)	.91	(?)	.37	(?)	.91
Riveters, pneumatic.....	(?)	(?)	1.01	.93	1.03	1.03	.90	(?)	1.02	(?)	.98	(?)	.97	1.20	1.12
Truck drivers.....	.77	.95	1.00	.90	.97	1.14	.72	1.04	1.08	.97	.94	1.11	(?)	(?)	.88
Watchmen.....	.60	(?)	.65	.61	1.02	1.02	.47	.84	.66	.78	.59	.91	.85	(?)	.86
Welders, hand, class A.....	1.05	1.06	1.19	1.07	1.16	(?)	1.15	1.29	1.18	1.21	1.09	1.27	1.08	1.26	1.13
Welders, hand, class B.....	.94	1.01	1.07	.91	.98	1.32	.93	1.13	1.03	1.11	1.08	1.24	.89	(?)	(?)
Working foremen, processing departments.....	1.19	1.39	1.35	1.34	1.24	1.58	1.16	1.39	1.50	1.37	1.44	1.01	1.50	1.50	1.17

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

Foundries

The study covered foundries primarily engaged in producing ferrous or nonferrous castings and employing 8 or more workers. Gray and malleable iron and semisteel and steel castings comprise the principal products of ferrous foundries; while brass, aluminum, and magnesium are the primary types of nonferrous metals cast.

Foundries primarily engaged in the manufacture of cast-iron pipe and fittings were excluded. Similarly, the study did not include the relatively large group of workers in "captive" foundries, operated by establishments in other industries that use large quantities of castings. The scope

corresponds to industry classifications 3321, 3322, 3323, and 3491 of the Standard Industrial Classification Manual (1942 edition) issued by the Bureau of the Budget.

A total of 996 establishments employing 161,200 workers were studied; 646, with 117,300 employees, produced iron and steel castings, and 350, with 43,900 workers, made castings from nonferrous metals and alloys. This represented about half of the establishments and employment in ferrous foundries and about 55 percent of the establishments and 65 percent of the employment in nonferrous foundries.

TABLE 24.—Percentage distribution of plant workers in Ferrous and Nonferrous Foundries by straight-time average hourly earnings¹ and region, January 1946

Average hourly earnings ¹	United States	New England	Middle Atlantic	Border States	Southeast	Great Lakes	Middle West	Southwest	Mountain	Pacific
Under 40.0 cents.....	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)
40.0-42.4 cents.....	0.1	(?)	(?)	0.2	6.8	(?)	(?)	0.1	(?)	(?)
42.5-44.9 cents.....	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	0.1	(?)
45.0-47.4 cents.....	.1	0.1	(?)	.2	4.5	(?)	0.1	.3	.1	(?)
47.5-49.9 cents.....	(?)	(?)	0.1	(?)	.5	(?)	(?)	(?)	.1	(?)
50.0-52.4 cents.....	.6	.6	.4	3.7	15.2	0.1	.5	6.6	.1	(?)
52.5-54.9 cents.....	.1	.3	.1	.7	1.8	(?)	.3	.3	(?)	(?)
55.0-57.4 cents.....	.6	.8	.4	.8	11.9	.2	.5	8.2	.2	(?)
57.5-59.9 cents.....	.2	.5	.2	1.1	1.5	.1	.6	1.1	(?)	(?)
60.0-62.4 cents.....	1.3	1.9	1.2	1.8	11.0	.9	1.7	11.9	.2	0.1
62.5-64.9 cents.....	.5	1.2	.6	1.8	1.7	.2	.8	3.3	.1	(?)
65.0-67.4 cents.....	2.4	6.1	1.8	4.6	7.4	1.6	5.4	12.2	4.7	.6
67.5-69.9 cents.....	1.0	2.2	.9	3.4	1.3	.6	3.9	2.0	.3	(?)
70.0-72.4 cents.....	4.8	6.2	4.0	10.7	4.8	3.8	16.5	9.0	14.0	.3
72.5-74.9 cents.....	1.8	2.4	1.8	1.7	.3	1.7	4.2	3.7	.9	.1
75.0-77.4 cents.....	5.6	6.8	5.4	10.9	4.0	4.6	15.5	7.1	16.8	1.4
77.5-79.9 cents.....	4.8	3.3	7.2	2.2	.9	4.7	7.1	.7	1.1	(?)
80.0-84.9 cents.....	9.8	8.4	10.9	8.5	4.6	10.4	10.5	4.8	7.9	4.0
85.0-89.9 cents.....	8.6	6.8	10.0	9.7	2.1	8.8	7.5	3.5	14.6	6.7
90.0-94.9 cents.....	8.0	7.3	9.2	5.0	3.3	8.3	4.4	3.0	9.8	10.0
95.0-99.9 cents.....	5.9	4.7	6.4	3.2	3.2	6.0	2.8	2.5	4.5	10.6
100.0-104.9 cents.....	7.0	6.9	7.0	4.2	2.8	6.9	2.9	4.0	3.2	14.8
105.0-109.9 cents.....	5.3	4.3	5.0	2.3	3.0	5.9	2.9	1.0	13.1	6.1
110.0-114.9 cents.....	5.2	10.3	4.2	12.2	2.5	5.0	2.5	2.9	2.8	7.8
115.0-119.9 cents.....	4.4	4.9	4.6	2.8	1.3	4.9	1.3	2.2	2.8	3.9
120.0-124.9 cents.....	4.6	2.4	4.0	2.6	1.5	4.9	2.5	4.5	1.0	8.7
125.0-129.9 cents.....	4.1	3.2	3.4	1.5	.6	4.1	.8	2.0	.2	12.4
130.0-134.9 cents.....	2.8	1.9	2.9	.9	.3	3.1	.6	1.0	.4	4.3
135.0-139.9 cents.....	1.9	1.1	2.1	.9	.2	2.1	.6	.3	.1	2.6
140.0-144.9 cents.....	1.4	.6	1.5	.3	.2	1.6	.7	1.2	.6	1.7
145.0-149.9 cents.....	1.0	.7	.9	.3	.1	1.2	.4	.1	.1	.3
150.0-159.9 cents.....	1.7	1.8	1.2	.4	.3	2.2	.7	.4	.2	1.4
160.0-169.9 cents.....	1.3	.8	.9	.5	.1	1.8	.6	.1	(?)	.8
170.0-179.9 cents.....	.9	.4	.5	.3	.3	1.3	.2	(?)	.1	.4
180.0-189.9 cents.....	.7	.3	.3	.2	(?)	1.0	.2	(?)	(?)	.4
190.0-199.9 cents.....	.4	.2	.2	.1	(?)	.6	.2	(?)	(?)	.1
200.0-209.9 cents.....	.4	.2	.1	.1	(?)	.5	.3	(?)	(?)	.1
210.0-219.9 cents.....	.2	.1	.1	.1	(?)	.3	.1	(?)	(?)	.1
220.0-229.9 cents.....	.1	.1	.1	.1	(?)	.2	.1	(?)	(?)	.1
230.0-239.9 cents.....	.1	.1	.1	(?)	(?)	.1	.1	(?)	(?)	(?)
240.0-249.9 cents.....	.1	(?)	(?)	(?)	(?)	.1	.2	(?)	(?)	.1
250.0 cents and over.....	.2	.1	.3	(?)	(?)	.2	.1	(?)	(?)	.1
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	275,600	12,400	59,900	7,800	3,500	151,600	16,100	4,600	1,300	18,400
Average hourly earnings ¹	\$1.01	\$0.90	\$0.98	\$0.88	\$0.69	\$1.05	\$0.85	\$0.78	\$0.87	\$1.10

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

TABLE 25.—Percentage distribution of plant workers in Ferrous Foundries by straight-time average hourly earnings¹ and region, January 1945

Average hourly earnings ¹	United States			All workers in—								
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
Under 42.5 cents.....	0.1	0.1	0.8	(?)	(?)	0.4	7.4	(?)	(?)	0.1	(?)	(?)
42.5-44.9 cents.....	(?)	(?)	(?)	0.2	(?)	.3	4.9	(?)	0.1	.4	0.1	(?)
45.0-47.4 cents.....	.1	.1	.4	.1	0.1	(?)	.6	(?)	(?)	(?)	.1	(?)
47.5-49.9 cents.....	(?)	(?)	.1	.8	.3	6.6	16.2	0.1	.4	7.4	.1	(?)
50.0-52.4 cents.....	.7	.6	1.3	.8	.3	(?)	(?)	(?)	(?)	(?)	(?)	(?)
52.5-54.9 cents.....	.1	.1	.5	.5	.1	.7	1.8	(?)	.4	.3	(?)	(?)
55.0-57.4 cents.....	.6	.5	2.4	1.2	.3	1.3	11.7	.2	.4	8.6	.2	(?)
57.5-59.9 cents.....	.2	.2	1.3	.8	.2	1.2	1.5	.1	.7	1.3	(?)	(?)
60.0-62.4 cents.....	1.3	1.2	3.0	2.4	1.1	2.7	10.5	.8	1.4	12.0	.3	0.1
62.5-64.9 cents.....	.5	.5	1.3	1.9	.6	2.9	1.9	.2	.8	3.9	.1	(?)
65.0-67.4 cents.....	2.4	2.2	5.4	9.2	1.7	2.9	6.2	1.7	5.1	10.9	5.3	(?)
67.5-69.9 cents.....	1.2	1.1	2.6	3.5	.8	5.3	1.4	.7	4.3	2.3	.4	(?)
70.0-72.4 cents.....	5.2	5.1	8.2	8.6	3.8	12.1	5.0	4.3	16.6	9.1	12.4	.3
72.5-74.9 cents.....	2.0	1.9	3.7	3.8	1.7	2.7	.3	1.9	3.5	4.4	1.1	(?)
75.0-77.4 cents.....	6.0	5.9	8.3	8.1	4.9	12.6	4.0	5.2	15.7	7.3	13.2	1.7
77.5-79.9 cents.....	5.2	5.0	7.8	2.5	8.1	2.0	.1	4.9	7.8	.8	1.2	(?)
80.0-84.9 cents.....	10.1	9.8	14.3	8.8	11.3	10.3	5.0	10.7	10.8	4.4	7.2	4.1
85.0-89.9 cents.....	8.3	8.1	11.7	5.6	9.6	8.7	1.9	8.4	7.8	3.6	17.5	6.9
90.0-94.9 cents.....	7.9	8.0	7.1	5.6	9.6	4.6	3.4	8.0	4.4	2.9	11.3	10.4
95.0-99.9 cents.....	6.1	6.0	6.8	3.8	6.7	3.5	3.5	6.0	2.9	2.5	5.1	11.8
100.0-104.9 cents.....	7.0	7.2	2.7	5.1	7.0	3.8	2.9	7.1	2.7	4.1	3.0	15.2
105.0-109.9 cents.....	5.2	5.3	1.8	2.9	5.0	1.9	3.0	5.9	3.1	1.1	13.7	5.0
110.0-114.9 cents.....	4.6	4.8	1.6	9.2	4.1	1.7	2.1	4.7	2.3	3.2	3.2	7.8
115.0-119.9 cents.....	4.2	4.4	.8	4.0	4.7	1.5	1.4	4.8	1.1	2.1	1.7	3.5
120.0-124.9 cents.....	4.4	4.6	1.6	1.8	3.7	4.0	1.6	4.6	2.6	3.5	.9	10.3
125.0-129.9 cents.....	3.6	3.8	1.2	2.1	3.3	1.4	.2	3.4	.7	1.7	.3	13.3
130.0-134.9 cents.....	2.5	2.6	.9	1.3	2.9	.7	.3	2.8	.6	.9	.5	3.2
135.0-139.9 cents.....	1.8	1.9	.5	1.0	1.9	.6	.1	2.1	.5	.3	.1	2.2
140.0-144.9 cents.....	1.4	1.4	.3	.5	1.5	.5	.2	1.6	.6	.3	.7	1.1
145.0-149.9 cents.....	1.0	1.1	.3	.5	1.0	.4	.2	1.3	.4	.1	.1	.2
150.0-159.9 cents.....	1.8	1.9	.6	1.3	1.3	.6	.3	2.4	.7	.4	.1	1.0
160.0-169.9 cents.....	1.4	1.5	.3	.8	.9	.8	.1	1.9	.5	.1	(?)	.5
170.0-179.9 cents.....	.9	.9	.3	.6	.5	.4	.3	1.3	.2	(?)	.1	.4
180.0-189.9 cents.....	.7	.7	.1	.4	.4	.4	(?)	.9	.2	(?)	(?)	.3
190.0-199.9 cents.....	.4	.4	(?)	.3	.2	.2	(?)	.6	.2	(?)	(?)	.1
200.0-209.9 cents.....	.4	.4	(?)	.3	.1	.1	(?)	.5	.3	(?)	(?)	.1
210.0-219.9 cents.....	.2	.2	(?)	.1	.1	.2	(?)	.3	.1	(?)	(?)	.2
220.0-229.9 cents.....	.1	.1	(?)	.1	.1	(?)	(?)	.2	.1	(?)	(?)	.1
230.0-239.9 cents.....	.1	.1	(?)	.1	.1	(?)	(?)	.1	.1	(?)	(?)	(?)
240.0-249.9 cents.....	.1	.1	(?)	.1	(?)	(?)	(?)	.1	.1	(?)	(?)	.1
250.0 cents and over.....	.2	.2	(?)	.1	.3	(?)	(?)	.2	.2	(?)	(?)	.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	215,100	204,700	10,400	7,600	46,400	4,300	3,200	120,700	14,600	3,900	1,100	13,300
Average hourly earnings¹	\$1.00	\$1.01	\$0.83	\$0.91	\$0.99	\$0.84	\$0.68	\$1.04	\$0.85	\$0.76	\$0.88	\$1.09

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

³ \$2.30 and over.

WAGE STRUCTURE—METALWORKING INDUSTRIES, 1945

TABLE 26.—Percentage distribution of plant workers in Nonferrous Foundries by straight-time average hourly earnings¹ and region, January 1945

Average hourly earnings ¹	United States			All workers in—								
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
Under 40.0 cents.....	(?)	(?)			(?)							
40.0-44.9 cents.....	0.1	0.1	0.1	(?)	0.1			(?)	0.3	0.2		
45.0-49.9 cents.....	.1	(?)	1.0	(?)	.2			0.1				
50.0-54.9 cents.....	.5	.4	2.0	0.3	1.0	0.9	6.8	.2	2.1	1.7		0.1
55.0-59.9 cents.....	.7	.5	2.9	.3	1.2	1.1	15.8	.3	1.9	6.0		
60.0-64.9 cents.....	1.7	1.4	5.9	1.0	2.2	1.1	18.0	1.5	5.2	10.1		.1
65.0-69.9 cents.....	2.9	2.0	12.6	1.4	3.7	7.8	22.2	1.5	8.3	20.4	1.7	2.2
70.0-74.9 cents.....	4.7	4.1	11.2	2.6	7.1	9.5	3.6	2.9	24.7	8.6	22.2	.6
75.0-79.9 cents.....	7.7	7.4	11.9	9.3	11.2	11.1	4.7	6.3	13.0	6.5	35.0	.5
80.0-84.9 cents.....	8.4	8.3	9.2	7.5	9.6	6.3	1.4	9.0	8.5	6.6	10.7	3.8
85.0-89.9 cents.....	9.6	9.5	12.0	8.8	10.6	10.8	4.0	10.2	4.5	2.3	1.3	6.1
90.0-94.9 cents.....	8.3	8.1	11.0	10.1	7.6	5.5	2.2	9.1	4.4	4.0	3.0	8.9
95.0-99.9 cents.....	5.6	5.6	5.0	6.2	5.2	2.8		5.9	1.9	2.6	1.3	7.6
100.0-104.9 cents.....	7.1	7.4	3.3	9.6	6.8	4.7	1.4	6.2	5.0	3.1	3.8	13.8
105.0-109.9 cents.....	5.7	5.9	3.6	6.6	5.0	2.7	3.6	6.0	1.3	.8	10.3	8.9
110.0-114.9 cents.....	7.3	7.7	2.1	11.7	4.5	25.4	6.5	6.1	3.8	1.5	.9	7.6
115.0-119.9 cents.....	5.1	5.5	1.1	6.2	4.4	4.4	1.1	5.6	3.2	2.5	8.1	4.9
120.0-124.9 cents.....	6.2	5.5	1.2	3.4	5.1	1.0	.4	6.2	2.2	10.4	1.3	4.4
125.0-129.9 cents.....	5.7	6.0	1.5	5.0	3.9	1.6	5.8	6.6	1.5	3.7		10.3
130.0-134.9 cents.....	3.9	4.2	.7	2.9	2.9	1.0		4.6	.4	1.2		7.1
135.0-139.9 cents.....	2.1	2.3	.3	1.4	2.7	1.3	1.1	2.0	.9	.6		3.4
140.0-144.9 cents.....	1.5	1.6	.4	.8	1.6	.1		1.4	1.3	6.5		3.1
145.0-149.9 cents.....	.7	.8	.1	.9	.6	.1		.9	.5			.6
150.0-159.9 cents.....	1.6	1.6	.5	2.7	.9	.1	.7	1.7	1.3	.5	.4	2.5
160.0-169.9 cents.....	1.0	1.1	.2	.8	.7	.2	.7	1.1	.8			1.8
170.0-179.9 cents.....	.8	.8	.2	.2	.4	.1		1.2	.3			.6
180.0-189.9 cents.....	.7	.8		.1	.3			1.2	.4			.7
190.0-199.9 cents.....	.4	.4		.1	.2	.1		.6		.2		.2
200.0-209.9 cents.....	.3	.4		.1	.1	(?)		.6	.1			.2
210.0-219.9 cents.....	.1	.1		(?)	(?)			.2	.7			
220.0-229.9 cents.....	.1	.1		(?)	.1	.1		.2	.1			
230.0-239.9 cents.....	.1	.1			(?)			.1	.5			
240.0-249.9 cents.....	.1	.1			(?)	.1		.1	.9			
250.0 cents and over.....	.2	.2		(?)	.1	.1		.4				
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	60,500	55,700	4,800	4,800	13,500	3,500	300	30,900	1,500	700	200	5,100
Average hourly earnings¹.....	\$1.03	\$1.05	\$0.83	\$1.02	\$0.97	\$0.94	\$0.76	\$1.07	\$0.88	\$0.81	\$0.84	\$1.12

¹ Excludes premium pay for overtime and night work.² Less than 0.05 of 1 percent.

TABLE 27.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, by region, January 1945

Occupation, grade, and sex	United States		Average hourly rates in—								
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
<i>Men</i>											
Carpenters, maintenance.....	759	\$1.03	\$0.93	\$0.99	\$0.85	\$0.79	\$1.04	\$0.86	\$1.03	(?)	\$1.16
Chippers and grinders.....	21,291	1.06	.79	1.01	.88	.58	1.15	1.04	.70	\$0.77	.99
Coremakers, hand.....	8,282	1.22	1.09	1.15	.99	.86	1.30	1.04	1.09	1.05	1.26
Coremakers, turn-over-draw-machine.....	2,035	1.26	1.19	1.24	1.30	(?)	1.30	.93	(?)	(?)	(?)
Electricians, maintenance.....	1,376	1.12	.98	1.07	1.04	1.01	1.16	.92	1.10	(?)	1.25
Guards.....	1,534	.81	.73	.83	.55	.64	.86	.70	.64	(?)	.86
Inspectors, class A.....	378	1.06	.94	1.11	(?)	(?)	1.14	.92	.96	(?)	1.07
Inspectors, class B.....	1,614	1.01	(?)	.99	.87	(?)	1.03	.84	(?)	(?)	1.12
Inspectors, class C.....	1,898	.88	.84	.83	.80	.57	.91	.84	(?)	(?)	.97
Maintenance men, general utility.....	1,900	.97	.87	1.03	(?)	.86	1.05	.83	.88	(?)	1.18
Mechanics, maintenance.....	1,416	1.08	.92	1.04	1.04	.87	1.10	1.02	.98	(?)	1.20
Molders, floor.....	10,623	1.17	1.19	1.16	1.01	.93	1.20	1.17	1.07	1.02	1.28
Molders, hand, bench.....	4,654	1.14	1.06	1.12	1.00	.77	1.20	1.08	1.05	1.01	1.28
Molders, machine.....	11,743	1.31	1.24	1.31	1.11	.84	1.34	1.13	.90	1.09	1.34
Patternmakers, wood.....	1,771	1.34	1.19	1.27	1.10	.88	1.44	1.12	1.29	1.12	1.56
Pourers, men.....	3,220	.98	.85	.94	.95	.52	1.05	.80	.66	.87	.92
Sand mixers, hand and machine.....	3,773	.87	.78	.82	.77	.56	.94	.75	.66	.77	.97
Shake-out men.....	7,753	.94	.80	.91	.81	.55	1.03	.74	.60	.79	.90
Stock clerks.....	782	.87	.74	.82	(?)	.61	.89	.72	.77	(?)	1.07
Truckers, hand.....	1,485	.81	.77	.75	.74	.50	.85	.72	.61	(?)	.96
Truckers, power.....	1,443	.94	.76	.76	.82	(?)	.96	.82	(?)	(?)	1.05
Watchmen.....	1,230	.68	.63	.68	.65	.48	.70	.68	.54	.61	.80
Working foremen, processing departments.....	2,722	1.16	1.05	1.12	.98	1.04	1.16	1.06	1.17	1.11	1.28
<i>Women</i>											
Chippers and grinders.....	581	.85	.68	.85	.76	.41	.92	.70	(?)	(?)	.85
Coremakers, hand.....	583	.95	.79	1.17	(?)	.53	1.01	.62	(?)	(?)	(?)
Coremakers, turn-over-draw-machine.....	187	.84	(?)	1.03	(?)	.51	.90	(?)	(?)	(?)	(?)
Inspectors, class B.....	144	.93	(?)	.83	(?)	(?)	.95	(?)	(?)	(?)	(?)
Inspectors, class C.....	747	.81	.66	.72	.79	(?)	.85	(?)	(?)	(?)	(?)
Molders, machine.....	118	.89	(?)	1.13	(?)	(?)	.86	(?)	(?)	(?)	(?)
Sand mixers, hand and machine.....	61	.88	(?)	.84	(?)	(?)	.90	(?)	(?)	(?)	(?)
Stock clerks.....	125	.76	(?)	.70	(?)	(?)	.78	(?)	(?)	(?)	(?)

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

TABLE 28.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Nonferrous Foundries, by region, January 1945

Occupation, grade, and sex	United States		Average hourly rates in—								
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
<i>Men</i>											
Carpenters, maintenance.....	198	\$1.11	\$1.10	\$1.06	\$1.07	(?)	\$1.13	\$0.84	(?)		\$1.22
Chippers and grinders.....	4,559	.95	.90	.90	1.03	\$0.64	.99	.78	\$0.70	\$0.75	1.02
Coremakers, hand.....	3,206	1.24	1.15	1.19	1.09	.89	1.31	1.04	1.11	1.08	1.26
Coremakers, turn-over-draw-machine.....	963	1.29	1.48	1.07			1.31	1.27			1.28
Electricians, maintenance.....	270	1.18	1.19	1.07	1.22		1.19				1.29
Guards.....	608	.88	.93	.75	.76		.94	.67	(?)		.90
Inspectors, class A.....	309	1.19	1.10	1.14	1.10		1.29	.89	(?)		1.10
Inspectors, class B.....	509	1.10	1.09	.97	(?)		1.14	(?)			1.05
Inspectors, class C.....	797	.94	.99	.80	.87		.97	(?)			.95
Maintenance men, general utility.....	331	1.07	1.08	1.02	(?)	(?)	1.08	.98	(?)	(?)	1.19
Mechanics, maintenance.....	351	1.17	(?)	1.04	1.03		1.21	1.05			1.14
Molders, floor.....	1,750	1.35	1.19	1.32	1.18	.97	1.44	1.38		1.13	1.32
Molders, hand, bench.....	2,673	1.22	1.13	1.24	1.12	1.07	1.20	1.28	1.13	1.08	1.32
Molders, machine.....	3,552	1.29	1.18	1.19	1.32	1.06	1.33	1.36	1.27	(?)	1.35
Patternmakers, wood.....	447	1.45	1.34	1.34	1.30	(?)	1.48	1.35	(?)		1.62
Pourers, metal.....	1,607	.98	1.05	.94	.84	.60	1.02	.78	.80	(?)	1.05
Sand mixers, hand and machine.....	942	.85	.87	.81	.81	(?)	.88	.73	.68	(?)	.96
Shake-out men.....	2,648	.89	.84	.81	.83	.58	.93	.75	.66	.75	.92
Stock clerks.....	223	.91	.86	.83	(?)	(?)	.94	(?)	(?)		(?)
Truckers, hand.....	436	.81	.94	.73	.72	(?)	.87				.94
Truckers, power.....	284	.94	1.01	.82			.95	(?)			(?)
Watchmen.....	407	.67	.63	.64	(?)	(?)	.71	.58	(?)	(?)	.77
Working foremen, processing departments.....	1,285	1.22	1.24	1.23	1.13	(?)	1.18	1.16	1.13	(?)	1.31
<i>Women</i>											
Chippers and grinders.....	275	.80	.75	.81	.74		.81	.77	.65		.91
Coremakers, hand.....	234	1.04	.78	1.10	1.12		1.09	(?)	(?)	(?)	(?)
Coremakers, turn-over-draw-machine.....	43	1.23		(?)			1.20				1.28
Inspectors, class B.....	117	.80	(?)				.75	(?)			1.01
Inspectors, class C.....	361	.76	.68	.72	.63		.78	.66			.92

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 29.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, United States and selected regions, by size of establishment, January 1945

Occupation, grade, and sex	United States ²						New England			Middle Atlantic			Border States				
	Establishments with—																
	8-50 workers		51-250 workers		251 or more workers		8-50 workers	51-250 workers	251 or more workers	8-50 workers	51-250 workers	251 or more workers	8-50 workers	51-250 workers	251 or more workers		
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates										
Men																	
Carpenters, maintenance.....	21	\$0.88	205	\$0.97	533	\$1.05	(³)	\$0.99	\$0.85	(³)	\$0.93	\$1.02	-----	\$0.80	(³)		
Chippers and grinders.....	1,427	.80	5,234	.89	14,630	1.15	\$0.74	.81	.79	\$0.72	.82	1.08	\$0.76	.71	\$1.45		
Coremakers, hand.....	1,207	1.07	3,374	1.17	3,701	1.32	.95	1.12	1.20	1.02	1.04	1.29	1.08	(³)	1.55		
Coremakers, turn-over-draw-machine.....	9	(³)	144	1.20	1,892	1.26	(³)	1.17	1.23	(³)	.93	1.26	-----	(³)	1.36		
Electricians, maintenance.....	2	(³)	160	1.09	1,214	1.13	-----	1.05	.94	(³)	1.06	1.07	-----	.85	1.14		
Guards.....	-----	-----	141	.71	1,393	.82	-----	(³)	.73	-----	.74	.84	-----	.51	(³)		
Inspectors, class A.....	1	(³)	22	1.05	355	1.06	-----	(³)	.94	-----	(³)	1.11	-----	(³)	(³)		
Inspectors, class B.....	16	(³)	81	.90	1,517	1.02	-----	(³)	.73	(³)	.99	1.00	(³)	.88	(³)		
Inspectors, class C.....	21	.83	302	.81	1,575	.90	-----	.73	.93	(³)	.70	.88	-----	(³)	.82		
Maintenance men, general utility.....	141	.99	490	.96	1,269	.97	.87	.88	.81	.98	.96	1.08	-----	(³)	(³)		
Mechanics, maintenance.....	17	1.04	193	1.07	1,206	1.08	-----	1.00	.81	(³)	1.00	1.05	-----	.98	1.07		
Molders, floor.....	2,492	1.08	4,397	1.18	3,734	1.22	1.04	1.29	1.32	1.08	1.14	1.22	.97	1.04	1.04		
Molders, hand, bench.....	1,498	1.07	2,035	1.15	1,121	1.21	.95	1.14	1.11	1.11	1.07	1.22	.98	1.05	1.00		
Molders, machine.....	888	1.16	4,281	1.26	6,574	1.36	1.02	1.28	1.24	1.23	1.29	1.32	(³)	.97	1.24		
Patternmakers, wood.....	99	1.05	374	1.24	1,298	1.39	.93	1.23	1.11	1.11	1.12	1.33	(³)	1.06	1.16		
Pourers, metal.....	126	.70	630	.84	2,464	1.03	-----	.82	.90	.70	.90	.97	-----	.75	.90		
Sand mixers, hand and machine.....	508	.74	1,027	.83	2,238	.92	.69	.82	.79	.70	.75	.83	.66	.78	.90		
Shake-out men.....	812	.80	2,551	.85	4,390	1.03	.78	.87	.74	.73	.81	1.01	.68	.75	1.13		
Stock clerks.....	14	(³)	99	.82	669	.88	-----	(³)	.72	(³)	.85	.80	-----	(³)	(³)		
Truckers, hand.....	39	.49	309	.76	1,137	.84	(³)	(³)	.81	(³)	.77	.74	-----	.71	.76		
Truckers, power.....	11	(³)	88	.85	1,344	.95	-----	(³)	.76	(³)	.84	.89	-----	.64	.82		
Watchmen.....	136	.65	593	.66	501	.75	.56	.65	.64	.55	.67	.75	(³)	.64	(³)		
Working foremen, processing departments.....	398	1.17	938	1.16	1,336	1.16	1.12	1.04	1.02	1.13	1.11	1.11	1.04	.95	-----		
Women																	
Chippers and grinders.....	8	(³)	152	.69	421	.91	-----	.66	(³)	-----	(³)	.85	-----	(³)	.76		
Coremakers, hand.....	10	(³)	138	.74	435	1.02	-----	.81	.79	-----	-----	-----	-----	(³)	(³)		
Coremakers, turn-over-draw-machine.....	-----	-----	33	.66	154	.88	-----	-----	-----	-----	-----	1.03	-----	(³)	(³)		
Inspectors, class C.....	-----	-----	72	.61	675	.83	-----	.57	.70	-----	(³)	.72	-----	(³)	.79		
Average hourly rates in—																	
Southeast			Great Lakes			Middle West			Pacific								
Establishments with—																	
8-50 workers		51-250 workers		251 or more workers		8-50 workers		51-250 workers		251 or more workers		8-50 workers		51-250 workers		251 or more workers	
Men																	
Carpenters, maintenance.....	(³)	(³)	(³)	\$0.96	\$0.95	\$1.06	-----	\$0.83	\$0.90	-----	\$1.12	\$1.20	-----	\$1.12	\$1.20		
Chippers and grinders.....	\$0.55	\$0.55	\$0.62	.82	1.00	1.21	\$0.74	.75	1.18	-----	\$1.01	1.00	-----	1.00	.99		
Coremakers, hand.....	.85	.85	.88	1.09	1.24	1.40	.96	1.10	1.02	1.24	1.24	1.24	-----	1.24	1.38		
Coremakers, turn-over-draw-machine.....	(³)	(³)	(³)	(³)	1.35	1.29	(³)	(³)	.92	(³)	(³)	(³)	-----	(³)	-----		
Electricians, maintenance.....	(³)	(³)	1.01	-----	1.17	1.15	-----	.94	.91	-----	1.41	-----	-----	1.23	-----		
Guards.....	-----	-----	.64	-----	.76	.86	-----	.70	.70	-----	.86	-----	-----	.86	-----		
Inspectors, class A.....	(³)	(³)	(³)	(³)	(³)	1.14	(³)	(³)	.92	(³)	(³)	(³)	-----	(³)	1.07		
Inspectors, class B.....	(³)	(³)	(³)	(³)	.88	1.04	(³)	(³)	.84	(³)	(³)	(³)	-----	(³)	1.11		
Inspectors, class C.....	(³)	.55	(³)	.88	.86	.91	-----	.78	.73	-----	(³)	(³)	-----	(³)	.93		
Maintenance men, general utility.....	.72	.88	.96	.97	.94	1.10	(³)	.86	.83	-----	1.20	-----	-----	1.17	-----		
Mechanics, maintenance.....	-----	.87	(³)	1.07	1.11	1.10	-----	(³)	1.03	-----	1.05	-----	-----	1.24	1.20		
Molders, floor.....	.90	1.00	.97	1.11	1.20	1.25	1.03	1.28	1.14	-----	1.28	1.26	-----	1.26	1.35		
Molders, hand, bench.....	.73	.85	.93	1.15	1.19	1.26	1.09	1.12	.98	-----	1.30	1.24	-----	1.24	1.60		
Molders, machine.....	(³)	.83	.84	1.16	1.28	1.39	.99	1.18	1.06	-----	1.23	1.39	-----	1.39	1.28		
Patternmakers, wood.....	.81	1.01	.96	1.24	1.20	1.47	(³)	1.18	1.09	(³)	(³)	1.57	-----	1.60	-----		
Pourers, metal.....	.61	.63	(³)	.83	.90	1.08	-----	.75	.81	(³)	(³)	.94	-----	.90	-----		
Sand mixers, hand and machine.....	.64	.67	.60	.78	.88	.98	.69	.73	.76	-----	.96	.97	-----	.98	-----		
Shake-out men.....	.63	.63	.60	.86	.92	1.09	.69	.76	.72	-----	.92	.91	-----	.87	-----		
Stock clerks.....	(³)	(³)	(³)	(³)	.84	.89	-----	(³)	.73	-----	(³)	(³)	-----	(³)	1.08		
Truckers, hand.....	.42	.64	.55	(³)	.80	.86	-----	.73	(³)	-----	(³)	.95	-----	.97	-----		
Truckers, power.....	(³)	(³)	(³)	(³)	.86	.97	-----	(³)	.82	-----	(³)	(³)	-----	(³)	1.05		
Watchmen.....	(³)	.60	(³)	.57	.69	.74	(³)	.49	.81	-----	(³)	.78	-----	.85	-----		
Working foremen, processing departments.....	1.08	1.08	(³)	1.16	1.16	1.16	(³)	1.06	1.06	-----	1.41	1.28	-----	1.24	-----		
Women																	
Chippers and grinders.....	-----	.41	-----	(³)	.71	1.01	-----	-----	.70	-----	-----	.83	-----	.90	-----		
Coremakers, hand.....	-----	.83	-----	(³)	.79	1.07	-----	-----	.67	-----	.62	-----	-----	-----	-----		
Coremakers, turn-over-draw-machine.....	-----	.50	.53	-----	.92	.90	-----	(³)	-----	-----	-----	-----	-----	-----	-----		
Inspectors, class C.....	-----	(³)	-----	-----	.68	.86	-----	-----	-----	-----	-----	-----	-----	-----	-----		

¹ Excludes premium pay for overtime and night work.
² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 30.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Nonferrous Foundries, United States and selected regions, by size of establishment, January 1945

Occupation, grade, and sex	United States ²						New England			Middle Atlantic			Great Lakes			Pacific	
	Establishments with—																
	8-50 workers		51-250 workers		251 or more workers		8-50 workers	51-250 workers	251 or more workers	8-50 workers	51-250 workers	251 or more workers	8-50 workers	51-250 workers	251 or more workers	8-50 workers	51-250 workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates										
<i>Men</i>																	
Carpenters, maintenance.....	13	\$1.05	70	\$1.14	115	\$1.10	(³)	\$1.08	\$1.14	(³)	\$1.12	\$0.96	\$1.17	\$1.09	\$1.13	-----	\$1.24
Chippers and grinders.....	978	.86	1,772	.88	1,809	1.06	\$0.82	.86	1.08	\$0.85	.86	1.04	.85	.90	1.06	\$1.00	1.02
Coremakers, hand.....	779	1.16	916	1.22	1,511	1.29	1.05	1.16	1.20	1.16	1.21	1.21	1.17	1.29	1.35	1.30	1.23
Coremakers, turn-over-draw-machine.....	33	1.25	183	1.10	747	1.33	(³)	(³)	1.50	(³)	1.06	-----	(³)	1.43	1.31	1.32	1.22
Electricians, maintenance.....	2	(³)	32	1.14	236	1.19	(³)	(³)	1.19	(³)	1.12	1.01	(³)	(³)	1.19	(³)	(³)
Guards.....	6	(³)	89	.78	413	.91	-----	(³)	.95	(³)	.72	.79	(³)	.78	.95	-----	.89
Inspectors, class B.....	15	(³)	103	1.00	391	1.13	-----	(³)	1.10	(³)	.98	.95	(³)	1.03	1.15	(³)	1.01
Inspectors, class C.....	20	.72	80	.82	697	.96	.66	-----	1.10	(³)	.80	.81	(³)	.84	.99	(³)	(³)
Maintenance men, general utility.....	56	1.09	126	1.08	149	1.06	.95	1.14	1.11	.97	1.06	.97	1.18	1.06	1.08	1.25	1.22
Mechanics, maintenance.....	7	(³)	52	1.09	292	1.19	(³)	-----	(³)	(³)	1.11	.97	(³)	(³)	1.22	-----	1.05
Molders, floor.....	427	1.26	569	1.28	754	1.47	1.18	1.15	1.37	1.27	1.33	1.44	1.29	1.28	1.50	1.35	1.28
Molders, hand, bench.....	1,250	1.18	967	1.25	456	1.25	1.11	1.18	(³)	1.22	1.23	1.35	1.17	1.25	1.20	1.29	1.34
Molders, machine.....	694	1.23	1,293	1.25	1,565	1.28	1.12	1.20	1.21	1.10	1.16	1.35	1.32	1.30	1.34	1.29	1.38
Patternmakers, wood.....	111	1.48	147	1.39	189	1.48	1.20	(³)	1.60	1.42	1.29	1.39	1.45	1.45	1.51	1.62	(³)
Pourers, metal.....	200	.88	608	.92	799	1.06	(³)	.97	1.10	.90	.93	1.02	.85	.89	1.08	1.08	1.02
Sand mixers, hand and machine.....	210	.80	380	.82	352	.90	.81	(³)	.92	.79	.81	.84	.82	.85	.91	.98	.92
Shake-out men.....	421	.83	770	.84	1,457	.93	(³)	.77	.89	.80	.81	.81	.87	.87	.95	.93	.90
Stock clerks.....	18	(³)	35	.89	170	.92	-----	(³)	.88	(³)	.87	.78	(³)	(³)	.94	(³)	(³)
Truckers, hand.....	7	(³)	67	.73	362	.83	-----	(³)	.99	(³)	.71	.75	(³)	.79	.87	(³)	(³)
Watchmen.....	95	.65	235	.66	77	.70	.58	.70	-----	.60	.64	.65	.70	.70	.75	.69	(³)
Working foremen, processing departments.....	319	1.26	467	1.26	499	1.15	1.17	1.32	1.26	1.20	1.24	1.22	1.32	1.21	1.13	1.34	1.29
<i>Women</i>																	
Chippers and grinders.....	27	.68	122	.83	126	.80	(³)	(³)	.77	(³)	.83	(³)	.67	.85	.84	-----	.89
Coremakers, hand.....	49	.96	67	.93	118	1.14	(³)	.82	-----	1.19	1.07	1.02	.92	.95	1.19	-----	(³)
Inspectors, class C.....	8	(³)	65	.72	288	.76	-----	.67	(³)	-----	.74	.71	(³)	.66	.78	-----	(³)

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 31.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, by region and size of community, January 1945

Occupation, grade, and sex	United States		New England		Middle Atlantic		Border States		Southeast	
	Communities of—									
	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more
Men										
Carpenters, maintenance.....	\$1.00	\$1.04	\$0.82	\$0.96	\$1.00	\$0.99	\$0.80	(²)		\$0.79
Chippers and grinders.....	1.10	1.04	.72	.82	1.05	.99	.70	1.16	\$0.50	.60
Coremakers, hand.....	1.18	1.25	1.06	1.11	1.06	1.20	.98	1.01	.96	.87
Coremakers, turn-over-draw-machine.....	1.28	1.21		1.19	1.22	1.25	(²)	1.36		(²)
Electricians, maintenance.....	1.15	1.10	.92	1.01	1.05	1.07	(²)	1.09		1.01
Guards.....	.84	.79		.73	.83		.41	.68		.64
Inspectors, class A.....	1.09	1.05		.94	1.08	1.14		(²)		(²)
Inspectors, class B.....	1.03	.99	(²)	(²)	.93	1.01	.83	(²)		(²)
Inspectors, class C.....	.87	.90	(²)	.84	.88	.85	(²)	.82		.57
Maintenance men, general utility.....	1.05	.94	.77	.90	1.04	1.03		(²)	.80	.93
Mechanics, maintenance.....	1.08	1.08	(²)	.96	.98	1.05	.97	1.06		.87
Molders, floor.....	1.08	1.22	1.27	1.16	1.10	1.18	.99	1.08	.86	.97
Molders, hand, bench.....	1.05	1.19	1.00	1.10	1.09	1.15	.98	1.02	.67	.90
Molders, machine.....	1.28	1.33	1.33	1.23	1.23	1.34	.88	1.13		.84
Patternmakers, wood.....	1.35	1.34	1.35	1.09	1.17	1.33	1.03	1.15	.74	.98
Pourers, metal.....	1.01	.95		.85	.93	.94	.73	1.32	.50	.54
Sand mixers, hand and machine.....	.88	.86	.68	.81	.79	.83	.77	.76	.52	.58
Shake-out men.....	1.01	.89	.68	.84	.95	.88	.76	.86	.49	.58
Stock clerks.....	.88	.86	(²)	.74	.82			(²)	(²)	(²)
Truckers, hand.....	.79	.82		.77	.71	.79	(²)	.73	.40	.54
Truckers, power.....	.97	.90	(²)	.77	.95	.84		.82		(²)
Watchmen.....	.67	.70	.61	.64	.59	.72	.65	.64	(²)	.50
Working foremen, processing departments.....	1.14	1.17	1.09	1.05	1.07	1.13	1.00	.92	1.05	1.04
Women										
Chippers and grinders.....	.92	.79	.66	(²)	.95	.79		.76		.41
Coremakers, hand.....	.92	1.00	.76	.80	(²)	1.12		(²)		.53
Inspectors, class C.....	.87	.76	(²)	.67	.73	.71		.79		(²)
Men										
Great Lakes										
Middle West										
Southwest										
Mountain										
Pacific										
Carpenters, maintenance.....	\$1.02	\$1.07	\$0.80	\$0.89	(²)	\$1.04		(²)		\$1.17
Chippers and grinders.....	1.18	1.12	.73	1.23	\$0.67	.70	\$0.79	\$0.77	\$0.99	.99
Coremakers, hand.....	1.25	1.34	1.03	1.05	1.11	1.08	(²)	1.06	1.25	1.27
Coremakers, turn-over-draw-machine.....	1.29	1.34	.95	.93		(²)				(²)
Electricians, maintenance.....	1.18	1.11	.84	1.03	1.17	1.06		(²)		1.26
Guards.....	.89	.83	.50	.71	.62	(²)	(²)			.86
Inspectors, class A.....	1.24	1.13	(²)	.93	(²)	(²)				1.07
Inspectors, class B.....	1.05	1.00	(²)	.84		(²)		(²)		1.12
Inspectors, class C.....	.88	.94	.78	.74		(²)		(²)		.97
Maintenance men, general utility.....	1.08	1.02	.84	.83		.88		(²)	1.21	1.17
Mechanics, maintenance.....	1.11	1.08	.89	1.11	.97	(²)	(²)	(²)		1.20
Molders, floor.....	1.10	1.27	.97	1.21	1.08	1.07	.98	1.04	1.21	1.28
Molders, hand, bench.....	1.10	1.26	1.00	1.13	.93	1.10	.95	1.06	(²)	1.28
Molders, machine.....	1.30	1.41	1.14	1.13	.98	.86	(²)	1.10	1.23	1.34
Patternmakers, wood.....	1.45	1.41	.97	1.19	1.42	1.27	(²)	1.08	1.45	1.57
Pourers, metal.....	1.11	1.00	.69	.86	.59	.75	.90	.83		.92
Sand mixers, hand and machine.....	.93	.95	.69	.76	.67	.65		.77	.97	.97
Shake-out men.....	1.09	.94	.72	.75	.57	.65	(²)	.77	.92	.90
Stock clerks.....	.89	.87	(²)	.73	(²)	(²)		(²)	(²)	1.06
Truckers, hand.....	.84	.85	(²)	.73	.60	(²)		(²)		.86
Truckers, power.....	.97	.93	(²)	.83				(²)		1.05
Watchmen.....	.69	.71	(²)	.70		.54		.61		.80
Working foremen, processing departments.....	1.16	1.16	.97	1.12	1.16	1.18	(²)	1.07	1.48	1.27
Women										
Chippers and grinders.....	.95	.87		.70		(²)				.85
Coremakers, hand.....	.94	1.13	.61	.63		(²)				
Inspectors, class C.....	.88	.80				(²)				

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

TABLE 32.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Nonferrous Foundries, United States and selected regions, by size of community, January 1945

Occupation, grade, and sex	United States *		New England		Middle Atlantic		Great Lakes		Middle West	
	Communities of—									
	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more	Under 100,000	100,000 or more
<i>Men</i>										
Carpenters, maintenance.....	\$1.08	\$1.12		\$1.10	\$0.93	\$1.09	\$1.15	\$1.11	(²)	(²)
Chippers and grinders.....	.86	.96	\$0.76	.91	.90	.87	1.01	\$0.82	\$0.75	
Coremakers, hand.....	1.15	1.25	.87	1.16	1.05	1.21	1.19	1.33	1.19	
Coremakers, turn-over-draw-machine.....	1.28	1.29	(²)	1.50	.99	1.08	1.29	1.33	(²)	
Electricians, maintenance.....	1.14	1.19		1.19	.98	1.12	1.19	1.18		
Guards.....	.95	.87		.93	(²)	.76	1.02	.89	(²)	
Inspectors, class A.....	1.18	1.19		1.10	(²)	1.14	1.25	1.33	(²)	
Inspectors, class B.....	1.11	1.09		1.09	.94	.97	1.13	1.14	(²)	
Inspectors, class C.....	.94	.95	(²)	1.05	(²)	.80	.97	.98	(²)	
Maintenance men, general utility.....	1.00	1.11	(²)	1.10	.87	1.07	1.04	1.11	.99	
Mechanics, maintenance.....	1.19	1.15		(²)	.92	1.09	1.21	1.21	1.05	
Molders, floor.....	1.27	1.37	(²)	1.20	1.33	1.32	1.24	1.48	1.42	
Molders, hand, bench.....	1.11	1.24	.96	1.14	1.04	1.26	1.12	1.22	1.35	
Molders, machine.....	1.26	1.29	1.14	1.19	1.07	1.22	1.26	1.35	1.57	
Patternmakers, wood.....	1.27	1.51		1.34	1.36	1.33	1.24	1.59	(²)	
Pourers, metal.....	.98	.99		1.05	.87	.95	1.01	1.02	.76	
Sand mixers, hand and machine.....	.85	.85	(²)	.87	.76	.82	.90	.87	.72	
Shake-out men.....	.88	.89	(²)	.85	.71	.82	.93	.93	.76	
Stock clerks.....	1.01	.88		.86	.75	.85	1.06	.89	(²)	
Truckers, hand.....	.72	.82		.94	.63	.75	.79	.87		
Watchmen.....	.63	.68	(²)	.65	.63	.64	.63	.75	.63	
Working foremen, processing departments.....	1.68	1.25	1.08	1.26	1.09	1.26	1.07	1.21	1.12	
<i>Women</i>										
Chippers and grinders.....	.75	.83		.75	(²)	.81	.75	.86	.77	
Coremakers, hand.....	.89	1.07		.73	(²)	1.08	.81	1.14	(²)	
Inspectors, class C.....	.85	.74		.68	.69	.73	.90	.75	.69	

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately. The industry in the Border States, Southeast, Mountain and Pacific regions is located predominantly in the larger cities.

³ Insufficient number of workers to justify presentation of an average.

TABLE 33.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, United States and selected regions, by unionization, January 1945

Occupation, grade, and sex	United States				Average hourly rates in—					
	Union establish-ments		Nonunion establish-ments		New England		Middle Atlantic		Border States	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments
<i>Men</i>										
Carpenters, maintenance.....	688	\$1.04	71	\$0.84	\$0.92	\$0.97	\$1.01	\$0.87	\$0.85	.....
Chippers and grinders.....	18,454	1.10	2,837	.82	.80	.76	1.04	.76	.93	\$0.78
Coremakers, hand.....	6,709	1.27	1,673	1.01	1.19	.94	1.21	.94	.98	.99
Coremakers, turn-over-draw-machine.....	1,947	1.27	88	.89	1.23	(²)	(²)	(²)	1.30	.....
Electricians, maintenance.....	1,285	1.13	91	.99	.99	(²)	1.07	1.02	1.13	.82
Guards.....	1,418	.82	116	.63	.73	.....	.83	(²)	(²)	.47
Inspectors, class B.....	1,522	1.02	92	.85	(²)	.....	.99	(²)	.87	(²)
Inspectors, class C.....	1,739	.89	159	.80	.87	.71	.86	.72	.81	(²)
Maintenance men, general utility.....	1,614	.98	286	.94	.87	.88	1.06	.81	(²)	(²)
Mechanics, maintenance.....	1,271	1.10	145	.96	.94	(²)	1.04	1.02	1.06	.97
Molders, floor.....	8,158	1.21	2,465	1.04	1.29	1.06	1.20	1.05	.99	1.03
Molders, hand, bench.....	3,204	1.19	1,450	1.02	1.15	.97	1.16	1.04	1.03	.97
Molders, machine.....	9,987	1.32	1,756	1.22	1.27	1.19	1.32	1.24	1.16	.90
Patternmakers, wood.....	1,534	1.38	237	1.11	1.22	.99	1.30	1.08	1.07	(²)
Pourers, metal.....	2,798	1.01	422	.78	.86	.82	.95	.83	.95	(²)
Sand mixers, hand and machine.....	3,065	.90	708	.75	.81	.74	.85	.69	.85	.67
Shake-out men.....	6,397	.99	1,356	.75	.81	.78	.95	.72	.89	.71
Stock clerks.....	675	.88	107	.79	.74	(²)	.83	.79	(²)	.....
Truckers, hand.....	1,319	.83	166	.67	.78	(²)	.74	.81	.74	(²)
Truckers, power.....	1,398	.94	45	.80	.75	(²)	.88	(²)	.82	.....
Watchmen.....	1,009	.71	221	.58	.65	.58	.70	.63	.68	.54
Working foremen, processing depart-ments.....	2,135	1.18	587	1.10	1.06	1.05	1.13	1.06	.92	1.00
<i>Women</i>										
Chippers and grinders.....	508	.88	73	.64	.68	.....	.85	.....	.76	.....
Coremakers, hand.....	447	1.02	136	.73	.80	.76	1.17	.....	(²)	.....
Inspectors, class C.....	724	.82	23	.57	.66	(²)	.72	(²)	.79	.....
Average hourly rates in—										
	Southeast		Great Lakes		Middle West		Southwest		Pacific	
	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments	Union establish-ments	Nonunion establish-ments
<i>Men</i>										
Carpenters, maintenance.....	\$0.76	(²)	\$1.06	\$0.73	\$0.87	(²)	(²)	\$0.88	\$1.17	.....
Chippers and grinders.....	.61	\$0.54	1.18	.91	1.10	\$0.76	\$0.74	.66	1.00	\$0.97
Coremakers, hand.....	.91	.82	1.34	1.07	1.05	.98	1.09	1.08	1.28	1.15
Coremakers, turn-over-draw-machine.....	(²)	(²)	1.31	.84	.91	.99	.....	(²)	(²)	.....
Electricians, maintenance.....	1.01	(²)	1.17	.98	.93	(²)	1.04	1.18	1.26	.....
Guards.....	.64	.....	.87	.74	.70	.....	(²)	.62	.86	.....
Inspectors, class B.....	(²)	(²)	1.05	.86	.83	.84	.....	.....	1.12	.....
Inspectors, class C.....	.87	(²)	.91	.89	.75	(²)	(²)	.....	.97	.....
Maintenance men, general utility.....	.95	.80	1.07	.98	.83	.83	1.00	.76	1.18	1.19
Mechanics, maintenance.....	.86	(²)	1.12	.90	.92	1.14	(²)	.98	1.20	.....
Molders, floor.....	.99	.90	1.24	1.03	1.18	1.08	1.07	1.06	1.27	1.34
Molders, hand, bench.....	.98	.70	1.21	1.12	1.04	1.13	1.12	1.01	1.28	1.26
Molders, machine.....	.79	.93	1.35	1.22	1.13	1.15	.90	.89	1.24	1.87
Patternmakers, wood.....	.98	.81	1.48	1.17	1.13	.96	1.29	1.29	1.59	1.37
Pourers, metal.....	.65	.51	1.06	.98	.81	.75	.73	.64	.92	(²)
Sand mixers, hand and machine.....	.59	.54	.95	.86	.76	.70	.69	.65	.97	.99
Shake-out men.....	.68	.53	1.05	.85	.75	.72	.65	.58	.90	.88
Stock clerks.....	(²)	(²)	.89	.82	.71	.75	(²)	(²)	1.06	(²)
Truckers, hand.....	.55	.46	.85	.83	.73	(²)	.....	.61	.96	.....
Truckers, power.....	(²)	.....	.97	.80	.82	(²)	.....	.....	1.05	.....
Watchmen.....	.62	.44	.72	.56	.71	.62	.54	(²)	.83	(²)
Working foremen, processing depart-ments.....	1.02	1.05	1.17	1.12	1.10	1.01	1.17	1.18	1.28	1.25
<i>Women</i>										
Chippers and grinders.....	.....	.41	.96	.66	.70	.....	(²)	(²)	.91	1.80
Coremakers, hand.....	(²)	.53	1.08	.77	.69	.65	.....	(²)	.....	.....
Inspectors, class C.....	.....	(²)	.86	(²)	.....	.....	(²)	.....	.....	.....

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

WAGE STRUCTURE—METALWORKING INDUSTRIES, 1945

TABLE 34.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Nonferrous Foundries, United States and selected regions, by unionization, January 1945

Occupation, grade, and sex	United States ¹				Average hourly rates in—							
	Union establishments		Nonunion establishments		New England		Middle Atlantic		Great Lakes		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments
<i>Men</i>												
Carpenters, maintenance.....	148	\$1.12	50	\$1.09	\$1.10	\$1.09	\$1.07	\$1.01	\$1.13	\$1.10	\$1.19	\$1.27
Chippers and grinders.....	2,978	.98	1,581	.89	.97	.85	.91	.89	1.03	.87	1.05	.99
Coremakers, hand.....	2,108	1.27	1,093	1.16	1.19	1.08	1.21	1.18	1.34	1.18	1.30	1.24
Coremakers, turn-over-draw-machine.....	831	1.31	132	1.12	1.50	(²)	1.02	1.14	1.33	1.08	1.35	1.08
Electricians, maintenance.....	256	1.18	14	1.13	1.19	(²)	1.07	1.06	1.19	1.20	1.29	-----
Guards.....	449	.90	59	.78	.93	-----	.74	.78	.96	.74	.91	.88
Inspectors, class B.....	429	1.12	80	1.00	1.10	(²)	.97	.96	1.14	1.02	1.08	1.02
Inspectors, class C.....	707	.97	90	.78	1.10	.66	.82	.78	.98	.87	.95	-----
Maintenance men, general utility.....	195	1.08	136	1.07	1.11	.99	1.04	1.01	1.07	1.11	1.14	1.23
Mechanics, maintenance.....	322	1.18	29	1.04	(²)	-----	1.06	.93	1.21	(²)	1.19	1.05
Molders, floor.....	1,177	1.39	573	1.27	1.24	1.17	1.32	1.33	1.47	1.29	1.32	1.30
Molders, hand, bench.....	1,233	1.25	1,440	1.21	1.16	1.12	1.26	1.23	1.21	1.18	1.32	1.32
Molders, machine.....	2,277	1.29	1,275	1.23	1.22	1.13	1.21	1.16	1.33	1.34	1.32	1.36
Patternmakers, wood.....	270	1.44	177	1.46	1.45	1.20	1.31	1.37	1.48	1.48	1.64	1.61
Pourers, metal.....	1,118	1.01	489	.92	1.07	1.01	.98	.90	1.04	.85	1.12	1.03
Sand mixers, hand and machine.....	578	.87	364	.81	.88	.84	.83	.80	.90	.82	.96	.94
Shake-out men.....	2,084	.90	554	.84	.88	.76	.81	.81	.94	.87	.94	.89
Stock clerks.....	199	.92	24	.80	.88	(²)	.85	.78	.95	(²)	(²)	-----
Truckers, hand.....	343	.84	93	.71	.94	-----	.79	.70	.88	.79	.94	-----
Watchmen.....	258	.70	149	.61	(²)	.60	.66	.62	.74	.64	.77	-----
Working foremen, processing departments.....	771	1.20	514	1.24	1.21	1.26	1.20	1.26	1.16	1.23	1.33	1.28
<i>Women</i>												
Chippers and grinders.....	132	.81	143	.79	.77	(²)	.84	.71	.86	.80	.92	.88
Coremakers, hand.....	158	1.12	76	.88	(²)	.77	1.07	1.17	1.17	.90	(²)	-----
Inspectors, class C.....	307	.76	54	.73	(²)	.67	.72	(²)	.79	.74	.91	(²)

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 35.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—											
	Time workers		Incentive workers		New England		Middle Atlantic		Border States		Great Lakes		Middle West		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>																
Chippers and grinders.....	11,312	\$0.86	9,979	\$1.29	\$0.74	\$0.99	\$0.86	\$1.24	\$0.72	\$1.49	\$0.88	\$1.30	\$0.75	\$1.70	\$0.99	-----
Coremakers, hand.....	4,660	1.08	3,622	1.40	1.02	1.30	1.03	1.34	.95	1.14	1.09	1.48	1.00	1.06	1.24	\$1.76
Coremakers, turn-over-draw-machine.....	284	.95	1,751	1.31	1.11	1.25	1.00	1.30	(³)	1.36	.90	1.33	.93	.94	(³)	-----
Inspectors, class B.....	1,481	.99	133	1.21	(³)	-----	.99	1.03	.87	-----	1.01	1.27	.84	-----	1.12	-----
Inspectors, class C.....	1,643	.85	255	1.10	.72	1.06	.79	.99	.80	-----	.87	1.13	.73	(³)	.97	-----
Molders, floor.....	7,869	1.12	2,754	1.34	1.06	1.49	1.09	1.34	.99	1.06	1.14	1.43	1.02	1.23	1.25	2.10
Molders, hand, bench.....	2,993	1.09	1,661	1.23	1.01	1.19	1.04	1.21	.97	1.11	1.15	1.26	1.07	1.13	1.26	1.71
Molders, machine.....	2,283	1.05	9,460	1.37	1.01	1.30	1.03	1.37	.89	1.24	1.04	1.38	.97	1.21	1.21	1.98
Pourers, metal.....	2,219	.91	1,001	1.11	.75	1.00	.90	.99	.75	1.67	1.00	1.14	.80	(³)	.92	-----
Sand mixers, hand and machine.....	2,925	.81	848	1.08	.73	.97	.79	.96	.70	1.19	.86	1.10	.74	(³)	.97	-----
Shake-out men.....	4,962	.81	2,791	1.18	.70	1.01	.76	1.20	.71	.99	.87	1.20	.72	1.00	.90	-----
<i>Women</i>																
Chippers and grinders.....	398	.75	183	1.08	.67	(³)	.80	1.02	.75	(³)	.74	1.10	.70	-----	.85	-----
Coremakers, hand.....	158	.67	425	1.06	.72	.93	(³)	1.17	(³)	(³)	.63	1.07	.55	.82	-----	-----
Inspectors, class C.....	677	.80	70	.90	.68	.78	.72	(³)	.78	(³)	.84	.95	-----	-----	-----	-----

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 36.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Nonferrous Foundries, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Chippers and grinders.....	3,516	\$0.88	1,043	\$1.18	\$0.84	\$1.07	\$0.85	\$1.10	\$0.86	\$1.24
Coremakers, hand.....	2,336	1.17	870	1.41	1.13	1.17	1.15	1.36	1.20	1.51
Coremakers, turn-over-draw-machine.....	640	1.22	323	1.42	(³)	1.51	1.07	(³)	1.27	1.41
Inspectors, class B.....	351	1.03	158	1.26	.98	1.11	.97	-----	1.04	1.44
Inspectors, class C.....	610	.88	187	1.15	.66	1.10	.76	1.09	.91	1.19
Molders, floor.....	1,212	1.24	538	1.61	1.15	1.52	1.24	1.59	1.26	1.65
Molders, hand, bench.....	2,222	1.18	451	1.38	1.11	1.21	1.20	1.36	1.16	1.50
Molders, machine.....	2,183	1.20	1,369	1.43	1.13	1.24	1.11	1.33	1.19	1.50
Pourers, metal.....	1,189	.93	418	1.15	1.01	1.09	.90	1.18	.94	1.16
Sand mixers, hand and machine.....	845	.83	97	.98	.83	.95	.79	1.02	.86	.88
Shake-out men.....	1,751	.82	897	1.01	.79	.91	.78	.90	.84	1.04
<i>Women</i>										
Chippers and grinders.....	211	.78	64	.89	.75	-----	.80	.83	.80	.84
Coremakers, hand.....	190	1.01	44	1.12	.78	-----	1.02	1.25	1.07	1.14
Inspectors, class C.....	310	.73	51	.91	.68	-----	.70	.81	.74	.93

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately. No incentive workers were reported for these occupational classifications in the Southeast, Southwest, and Mountain regions.

³ Insufficient number of workers to justify presentation of an average.

TABLE 37.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Ferrous Foundries, by wage area, January 1945

Occupation, grade, and sex	Balti- more, Md.	Bos- ton, Mass.	Buffa- lo, N. Y.	Cant- on, Ohio	Chat- ta- nooga, Tenn.	Chi- cago, Ill.	Cin- cin- nati, Ohio	Cleve- land, Ohio	Co- lum- bus, Ohio	Day- ton, Ohio	Den- ver, Colo.	De- troit, Mich.	Hous- ton, Tex.	In- dian- apolis, Ind.	Los Ange- les, Calif.
<i>Men</i>															
Carpenters, maintenance.....	(?)	(?)	\$1.01	\$1.12	\$0.78	\$1.09		\$1.05	(?)		\$0.90	\$1.19	(?)	\$0.89	\$1.04
Chippers and grinders.....	\$1.23	\$0.82	1.06	1.16	.64	1.14	\$0.85	1.14	\$1.11	\$1.04	.75	1.36	\$0.73	1.12	.94
Coremakers, hand.....	1.02	1.14	1.20	1.20	.91	1.35	1.20	1.50	1.36	1.41	1.06	1.43	1.14	1.12	1.26
Coremakers, turn-over-draw-machine.....	1.36	(?)	1.29	1.13			(?)	1.45	1.26	(?)			(?)	(?)	
Electricians, maintenance.....	1.22	1.05	1.10	1.20	1.01	1.07		1.09	1.12	1.20	(?)	1.24	1.06	(?)	(?)
Inspectors, class B.....			1.01	.88	(?)	.97	(?)	.99	.97	1.21	(?)	1.11	(?)	(?)	.94
Inspectors, class C.....	.85		.85	.78	(?)	.97	.73	.89	.83	1.03	(?)	.98	(?)	1.36	.93
Maintenance men, general utility.....	(?)	(?)	1.09	(?)	.80	1.04	(?)	1.06	1.12	1.15	1.12	1.35	(?)	.92	1.20
Mechanics, maintenance.....	1.20		1.00		(?)	(?)	1.03	1.16	1.07	1.23	(?)	1.22	(?)	1.03	1.16
Millwrights.....	(?)	(?)	1.05	1.16	.92	.92		1.08	1.09	1.17		1.16	(?)	.97	
Molders, hand, bench.....	(?)	1.12	1.20	1.23	.98	1.24	1.20	1.30	1.17	1.48	1.07	1.35	1.20	1.12	1.28
Molders, floor.....	1.17	1.12	1.25	1.25	1.01	1.24	1.21	1.38	1.19	1.31	1.04	1.47	1.16	1.20	1.30
Molders, machine.....	1.45	1.13	1.33	1.19	.95	1.42	1.34	1.48	1.41	1.37	1.10	1.57	.96	1.21	1.51
Patternmakers, wood.....	1.18	1.11	1.31	1.41	.92	1.47	1.25	1.60	1.08	1.28	(?)	1.42	1.48	1.05	1.50
Pourers, metal.....	(?)	(?)	1.07	.92	.51	.96	.80	1.05	1.08	1.00	.77	1.03	.83	1.04	.87
Sand mixers, hand and machine.....	.74	.78	.90	.87	.61	.88	.79	1.09	1.04	1.08	.74	1.06	.66	.97	.95
Shake-out men.....	1.01	.75	1.03	.82	.60	.88	.78	1.01	1.16	1.00	.70	1.04	.63	.83	.85
<i>Women</i>															
Chippers and grinders.....	.76	(?)	.82			.92		(?)						1.25	.84
Inspectors, class C.....	.80		.82			.88	(?)	.83	(?)			.80		.89	
<i>Men</i>															
Carpenters, maintenance.....	\$0.90	(?)	(?)	\$1.09	\$0.95	\$1.17	\$0.92	(?)	\$1.22		(?)	\$1.17		\$0.94	(?)
Chippers and grinders.....	1.15	\$0.87	\$0.82	1.07	.97	1.02	.94	\$1.08	1.03	\$1.01	\$0.80	1.32	\$0.77	.93	\$1.20
Coremakers, hand.....	1.28	1.05	1.20	1.43	1.13	1.28	1.06	1.28	1.25	1.22	1.03	1.51	1.02	1.17	1.06
Coremakers, turn-over-draw-machine.....	1.36	1.02	1.14	(?)	1.27	(?)	(?)	(?)	(?)	(?)	(?)	1.23	1.25	1.25	
Electricians, maintenance.....	.97	(?)	1.05	1.12	1.06	(?)	.92	(?)	1.22	(?)	(?)	1.23	.96		.94
Inspectors, class B.....	.96		.92	1.09	1.03	(?)	.85	(?)	1.24			1.03	(?)	(?)	
Inspectors, class C.....	.88	(?)	(?)	.97	.88	(?)	.77			.83	.73	.88		.84	(?)
Maintenance men, general utility.....	.92	.95	1.03	1.01	1.04	1.11	.84	(?)	1.12	1.03	.91		1.00	(?)	(?)
Mechanics, maintenance.....	.84	(?)	(?)	1.12	1.05	1.20	.94	1.28	(?)			1.18	(?)	(?)	.96
Millwrights.....	.99	(?)	1.00	(?)	1.03	(?)					(?)		(?)	.98	
Molders, hand, bench.....	1.31	1.07	1.19	1.26	1.15	1.30	1.12	1.30	1.26	1.34	.96	1.39	1.04	1.02	.99
Molders, floor.....	1.29	1.08	1.22	1.27	1.12	1.27	1.19	1.29	1.25	1.27	1.16	1.26	1.08	1.14	1.12
Molders, machine.....	1.43	1.01	1.31	1.30	1.22	1.27	1.34	1.29	1.11	1.45	1.22	1.72	.90	1.16	1.10
Patternmakers, wood.....	1.09	(?)	1.19	1.39	1.35	1.63	1.05	1.59	1.63		(?)	(?)	1.13	1.11	1.10
Pourers, metal.....	.91	.86	.77	.87	1.04	1.00	1.05	(?)	.98	1.07		(?)	.74	(?)	1.35
Sand mixers, hand and machine.....	.90	.82	.76	.81	.83	1.05	.77	.95	1.01	1.05	.78	.86	.77	.88	.88
Shake-out men.....	.89	.82	.76	.79	.88	.96	.78	.95	.95	1.04	.92	.87	.75	.96	.87
<i>Women</i>															
Chippers and grinders.....	.67	.78	.74			(?)				(?)	(?)	(?)	(?)	(?)	(?)
Inspectors, class C.....	.75		(?)			(?)				.59	.60	(?)	.72	.71	(?)

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 38.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Nonferrous Foundries, by wage area, January 1945

Occupation, grade, and sex	Balti- more, Md.	Bir- ming- ham, Ala.	Boston, Mass.	Buffalo, N. Y.	Chicago, Ill.	Cincin- nati, Ohio	Cleve- land, Ohio	Denver, Colo.	Detroit, Mich.	Indian- apolis, Ind.	Los Angeles, Calif.
<i>Men</i>											
Chippers and grinders.....	\$0.79	\$0.86	\$0.89	\$0.99	\$0.84	\$0.86	\$1.15	\$0.75	\$1.23	\$0.82	\$1.01
Coremakers, hand.....	1.04	.83	1.15	1.19	1.29	1.20	1.45	1.08	1.42	1.13	1.25
Coremakers, turn-over-draw-machine.....					1.62	(²)			1.41	(²)	1.32
Inspectors, class B.....	(²)		(²)	(²)	.93	.73	1.12		1.47		1.05
Inspectors, class C.....	.87			1.06	.93	.64	.99		1.29	.76	.94
Maintenance men, general utility.....			(²)	1.08	1.10	1.06	1.07	(²)	(²)	(²)	1.18
Mechanics, maintenance.....	1.03		(²)	1.05	1.18		1.13		1.30		1.14
Molders, floor.....	1.21	.96	1.16	1.44	1.24	(²)	1.58	1.12	1.37	1.33	1.33
Molders, hand, bench.....	1.02	1.10	1.16	1.18	1.20	1.22	1.27	1.08	1.37	1.19	1.33
Molders, machine.....	.95	1.16	1.24	1.24	1.48	1.40	1.37	(²)	1.25	1.13	1.34
Patternmakers, wood.....	1.34	(²)	(²)	(²)	1.67	1.33	1.46			1.69	1.60
Pourers, metal.....	.94	.65	1.04	1.14	.93	.80	1.14	.75	1.20	.85	1.06
Sand mixers, hand and machine.....	.79	(²)	.80	.99	.83	.76	.87	.75	1.26	.74	.95
Shake-out men.....	.76	.61	.76	.89	.90	.72	.96	.75	1.16	.74	.92
<i>Women</i>											
Chippers and grinders.....	.74			(²)	(²)	(²)	(²)		(²)	.64	.91
Coremakers, hand.....	(²)		(²)	.94	1.17	(²)	(²)	(²)	1.21		(²)
Inspectors, class C.....	(²)		.68	(²)	(²)	.50	.91		(²)		.92
<i>Men</i>											
Chippers and grinders.....	\$1.07	\$0.91	\$0.85	\$0.91	\$0.88	\$0.92	\$1.09	\$1.06	\$0.84	\$0.77	\$1.14
Coremaker, hand.....	1.37	1.12	1.26	1.29	1.20	1.18	1.33	1.28	1.27	.96	1.22
Coremakers, turn-over-draw-machine.....	(²)		1.08	(²)	1.23	.91	1.38		(²)	(²)	(²)
Inspectors, class B.....	(²)	(²)	(²)	1.05	(²)	.93		(²)	(²)	(²)	(²)
Inspectors, class C.....	1.08				.80	.72	(²)			(²)	.77
Maintenance men, general utility.....	1.15	1.07	(²)	(²)	1.06		(²)	1.14	1.10	.92	.98
Mechanics, maintenance.....	1.10		(²)	(²)	(²)	(²)				1.04	
Molders, floor.....	1.46		1.29	1.38	1.39	1.37	1.37	1.28	1.31	(²)	1.23
Molders, hand, bench.....	1.15	1.03	1.22	1.34	1.27	1.23	1.35	1.27	1.26	1.18	1.32
Molders, machine.....	1.47	1.16	1.13	1.34	1.20	1.26	1.36	(²)	1.24	1.07	1.46
Patternmakers, wood.....	1.24	1.23	(²)	(²)		1.30	(²)	(²)	1.60	1.42	1.49
Pourers, metal.....	.80	.89	.96	.91	.89		(²)	(²)	.99	.83	.83
Sand mixers, hand and machine.....	.91	.79	.81	.82	.78	.72	.98	.97	.89	.74	.78
Shake-out men.....	.88	.83	.85	.84	.81	.70	.97	.95	(²)	.75	.83
<i>Women</i>											
Chippers and grinders.....	(²)	.90	(²)	(²)		(²)			.77		(²)
Coremakers, hand.....	.95	(²)			1.14	(²)				.77	(²)
Inspectors, class C.....	.94			(²)	.77	.72			(²)	(²)	(²)

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

Iron and Steel Forgings

The study included establishments with 8 or more workers primarily producing light and heavy forgings with or without the use of dies, such as chains, anchors, axles, frogs, and forged parts for automotive and railway equipment, and machinery. Nonferrous forging establishments were excluded. The study also excluded forging operations carried on in connection with rolling mills or other establishments that produce forgings for further fabrication in the production of their final products. The scope corresponds to industry 3392

as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget.

The information contained in this study was based on a sample of 168 establishments with nearly 46,000 workers, representing approximately three-fourths of the establishments with 8 or more workers in the industry. Available estimates indicate that there were approximately 62,500 workers in the ferrous forging industry in January 1945, the date of the study.

TABLE 39.—Percentage distribution of plant workers in Iron and Steel Forging establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—			
	All workers	Men	Women	New England	Middle Atlantic	Great Lakes	Pacific
Under 50.0 cents.....	(³) 0.2	(³) 0.2	(³) 0.4	(³)	(³) 0.3	(³) 0.1	-----
50.0-54.9 cents.....	.4	.2	2.4	(³) 0.1	.3	.4	-----
55.0-59.9 cents.....	.7	.5	2.8	.6	1.0	.3	-----
60.0-64.9 cents.....	1.6	1.2	4.7	1.3	3.2	.8	-----
65.0-69.9 cents.....	2.6	2.3	5.3	4.1	2.9	2.2	-----
70.0-74.9 cents.....							-----
75.0-79.9 cents.....	5.7	4.7	14.9	7.3	9.5	4.3	1.7
80.0-84.9 cents.....	8.0	6.3	24.2	10.4	12.0	6.8	3.3
85.0-89.9 cents.....	9.1	7.9	20.4	12.6	9.2	9.1	1.6
90.0-94.9 cents.....	7.9	8.0	6.0	11.2	7.6	7.3	4.0
95.0-99.9 cents.....	6.0	6.3	3.3	8.7	6.3	5.2	6.0
100.0-104.9 cents.....	6.6	7.0	3.1	6.7	8.2	5.9	8.6
105.0-109.9 cents.....	6.2	6.7	1.8	6.0	5.2	6.6	5.8
110.0-114.9 cents.....	5.8	5.7	6.5	5.0	4.8	6.4	6.1
115.0-119.9 cents.....	4.4	4.8	.8	4.0	3.9	4.6	6.5
120.0-124.9 cents.....	3.4	3.8	.5	2.5	2.9	3.5	8.7
125.0-129.9 cents.....	3.2	3.6	.3	2.9	2.9	3.3	7.6
130.0-134.9 cents.....	2.6	2.8	.6	1.5	2.4	2.7	5.0
135.0-139.9 cents.....	3.0	3.3	.1	1.7	2.7	3.3	5.9
140.0-144.9 cents.....	2.2	2.4	.3	1.2	1.3	2.6	3.8
145.0-149.9 cents.....	2.4	2.6	.4	1.4	1.7	2.8	3.5
150.0-159.9 cents.....	3.4	3.8	.3	2.5	2.8	3.8	7.0
160.0-169.9 cents.....	2.2	2.4	.3	1.7	1.8	2.4	4.4
170.0-179.9 cents.....	2.4	2.6	.2	1.7	1.9	2.8	2.5
180.0-189.9 cents.....	2.1	2.3	.2	1.2	1.7	2.5	1.3
190.0-199.9 cents.....	1.1	1.2	.1	1.2	1.4	1.1	.5
200.0-209.9 cents.....	2.2	2.4	-----	.9	.6	3.1	.7
210.0-219.9 cents.....	1.1	1.2	4.1	.4	.3	1.5	.5
220.0-229.9 cents.....	.7	.8	-----	.3	.4	1.0	.5
230.0-239.9 cents.....	.8	.9	-----	.2	.2	1.1	.9
240.0-249.9 cents.....	.3	.3	-----	.3	.2	.3	.4
250.0-259.9 cents.....	.4	.4	-----	.1	.1	.5	.3
260.0-269.9 cents.....	.2	.2	-----	.1	.1	.2	.6
270.0-279.9 cents.....	.1	.1	-----	(³)	(³)	.1	.6
280.0-289.9 cents.....	.1	.1	-----	.1	(³)	.2	.6
290.0-299.9 cents.....	.1	.1	-----	-----	(³)	.1	.1
300.0 cents and over.....	.8	.9	-----	.1	.2	1.1	.8
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	55,600	50,000	5,600	5,650	11,350	35,100	1,300
Average hourly earnings ¹	\$1.18	\$1.21	\$0.86	\$1.06	\$1.07	\$1.24	\$1.31

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Less than 0.05 of 1 percent.

⁴ \$2.10 and over.

TABLE 40.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Iron and Steel Forging establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—			
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes	Pacific
<i>Men</i>						
Bulldozer operators.....	89	\$1.48	(³)	\$1.63	\$1.44	(³)
Carpenters, maintenance.....	143	1.10	\$0.97	1.05	1.16	(³)
Chippers and grinders.....	1,272	1.06	1.08	1.05	1.05	\$1.27
Crane operators, electric bridge.....	653	1.01	.93	.93	1.02	(³)
Die sinkers.....	945	1.76	1.46	1.64	1.86	1.82
Drop-hammer operators, board, under 3,000 lb.....	1,567	1.58	1.56	1.44	1.67	1.74
Drop-hammer operators, board, 3,000 lb. and over.....	364	1.84	2.13	1.60	2.04	(³)
Drop-hammer operators, steam, under 5,000 lb.....	1,093	1.98	1.62	1.87	2.02	1.48
Drop-hammer operators, steam, 5,000 lb. and over.....	799	2.48	1.71	1.77	2.50	(³)
Electricians, maintenance.....	418	1.18	1.05	1.11	1.22	(³)
Forging-press operators, hydraulic (vertical).....	593	1.55	1.14	1.43	1.69	(³)
Guards.....	470	.90	.82	.81	.93	.80
Heat treaters, class A.....	307	1.09	1.03	1.17	1.12	(³)
Heat treaters, class B.....	908	1.04	.88	.98	1.07	1.17
Heaters, forge, light work.....	2,438	1.36	1.23	1.23	1.44	1.47
Heaters, forge, heavy work.....	2,031	1.53	1.00	1.30	1.60	1.26
Inspectors, class A.....	181	1.15	1.08	1.04	1.17	(³)
Inspectors, class B.....	719	1.02	.91	.95	1.07	1.17
Inspectors, class C.....	1,249	.95	.83	.86	.99	(³)
Janitors.....	652	.77	.72	.75	.79	(³)
Maintenance men, general utility.....	386	1.03	1.01	1.03	1.00	1.34
Mechanics, maintenance.....	1,016	1.15	.95	1.03	1.21	1.26
Stock clerks.....	229	.91	.85	.85	.93	(³)
Truckers, hand.....	674	.78	.71	.77	.83	(³)
Truckers, power.....	737	.95	.90	.86	.97	(³)
Upsetters, 2½" and under in diameter.....	163	1.34	1.42	1.13	1.51	(³)
Upsetters, over 2½" in diameter.....	430	1.73	1.55	1.52	1.84	(³)
Watchmen.....	273	.72	.71	.70	.75	(³)
Working foremen, processing departments.....	616	1.22	1.17	1.14	1.18	1.54
<i>Women</i>						
Chippers and grinders.....	128	.87	-----	.87	.86	(³)
Crane operators, electric bridge.....	52	.93	.91	.96	.89	(³)
Inspectors, class B.....	112	1.01	.81	.84	1.09	(³)
Inspectors, class C.....	1,160	.81	.79	.81	.81	(³)
Janitors.....	116	.73	(³)	.71	.74	-----

¹ Excludes premium pay for overtime and night work.
² Includes data for other regions in addition to those shown separately.
³ Insufficient number of workers to justify presentation of an average.

TABLE 41.—Average hourly wage rates (straight-time hourly earnings) ¹ for men in selected plant occupations in Iron and Steel Forging establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²						New England ³		Middle Atlantic			Great Lakes		
	Establishments with—													
	8-50 workers		51-500 workers		501 or more workers		51-500 workers	501 or more workers	8-50 workers	51-500 workers	501 or more workers	8-50 workers	51-500 workers	500 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates							
Bulldozer operators.....	4	(⁴)	22	\$1.31	43	\$1.59	(⁴)	-----	-----	-----	\$1.63	(⁴)	\$1.41	\$1.57
Carpenters, maintenance.....	2	(⁴)	31	1.01	110	1.13	(⁴)	\$0.97	-----	\$0.95	1.09	(⁴)	1.07	1.18
Chippers and grinders.....	49	\$0.91	461	1.13	762	1.03	(⁴)	1.09	\$0.91	.92	1.20	\$0.76	1.21	.97
Crane operators, electric bridge.....	11	(⁴)	194	.96	478	1.03	\$0.96	.88	(⁴)	.96	1.03	(⁴)	.97	1.03
Die sinkers.....	39	1.42	372	1.65	534	1.86	1.37	1.53	1.19	1.59	1.77	1.59	1.73	1.95
Drop-hammer operators, board, under 3,000 lb.....	127	1.39	899	1.58	541	1.64	1.42	1.62	1.41	1.38	1.59	1.36	1.70	1.68
Drop-hammer operators, board, 3,000 lb. and over.....	12	(⁴)	230	1.89	122	1.81	1.82	2.28	(⁴)	1.54	1.66	(⁴)	2.08	(⁴)
Drop-hammer operators, steam, under 5,000 lb.....	63	1.35	245	1.84	780	2.08	-----	1.62	1.35	1.91	2.33	1.40	1.83	2.09
Drop-hammer operators, steam, 5,000 lb. and over.....	7	(⁴)	80	2.08	712	2.54	-----	1.71	(⁴)	1.61	2.10	(⁴)	2.49	2.61
Electricians, maintenance.....	4	(⁴)	89	1.12	325	1.19	1.16	1.03	-----	1.06	1.12	-----	1.13	1.24
Forging-press operators, hydraulic (vertical).....	23	1.04	251	1.38	319	1.72	-----	1.16	(⁴)	1.26	1.56	1.02	1.47	1.95
Guards.....	5	(⁴)	102	.78	363	.93	.75	.85	(⁴)	.69	.84	-----	.81	.96
Heat treaters, class A.....	8	(⁴)	133	1.16	166	1.03	1.03	1.03	(⁴)	1.15	(⁴)	(⁴)	1.17	1.03
Heat treaters, class B.....	15	(⁴)	219	.98	674	1.06	.90	.86	(⁴)	.99	.96	(⁴)	1.01	1.08
Heaters, forge, light work.....	160	1.02	1,019	1.31	1,259	1.44	1.07	1.29	.93	1.16	1.31	1.03	1.36	1.56
Heaters, forge, heavy work.....	73	1.03	374	1.42	1,584	1.58	(⁴)	-----	.89	1.15	1.61	1.22	1.57	1.61
Inspectors, class A.....	2	(⁴)	74	1.13	105	1.16	(⁴)	(⁴)	-----	(⁴)	1.05	(⁴)	1.12	1.20
Inspectors, class B.....	6	(⁴)	177	1.06	536	1.00	(⁴)	.91	(⁴)	.98	.95	(⁴)	1.11	1.05
Inspectors, class C.....	16	(⁴)	305	.96	928	.94	(⁴)	.83	(⁴)	.82	.89	(⁴)	1.01	.98
Janitors.....	21	.75	223	.76	408	.78	.73	.71	(⁴)	.66	.78	(⁴)	.78	.79
Maintenance men, general utility.....	33	1.16	180	1.12	173	.93	1.00	.95	1.11	1.00	-----	1.25	1.11	.93
Mechanics, maintenance.....	13	1.23	162	1.05	841	1.17	1.05	.94	-----	.98	1.06	(⁴)	1.08	1.23
Stock clerks.....	3	(⁴)	51	.87	175	.92	(⁴)	(⁴)	-----	.84	.86	-----	.90	.94
Truckers, hand.....	22	.68	356	.78	296	.80	(⁴)	(⁴)	(⁴)	.71	.83	.74	.83	.82
Truckers, power.....	3	(⁴)	125	.95	659	.95	(⁴)	.89	-----	.78	.88	(⁴)	.96	.97
Upsetters, 2½" and under in diameter.....	14	(⁴)	64	1.26	85	1.41	1.09	1.74	(⁴)	1.14	1.12	(⁴)	1.48	1.56
Upsetters, over 2½" in diameter.....	12	(⁴)	166	1.83	252	1.71	1.42	1.71	-----	1.08	1.82	1.11	2.04	1.75
Watchmen.....	54	.63	121	.71	98	.79	(⁴)	.73	.65	.61	.82	.61	.80	.79
Working foremen, processing departments.....	57	1.49	199	1.21	360	1.14	(⁴)	1.05	1.29	1.12	1.08	(⁴)	1.26	1.16

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers in New England establishments with 8 to 50 workers to present separate data.⁴ Insufficient number of workers to justify presentation of an average.

TABLE 42.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Iron and Steel Forging establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		New England		Middle Atlantic		Great Lakes	
	Communities of—							
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Carpenters, maintenance.....	\$1.05	\$1.11	\$1.02	\$0.94	\$0.94	\$1.07	\$1.14	\$1.16
Chippers and grinders.....	1.03	1.07	1.31	.88	.84	1.14	1.06	1.05
Crane operators, electric bridge.....	1.01	1.01	(*)	.93	.96	.99	1.07	1.02
Die sinkers.....	1.60	1.81	1.57	1.38	1.53	1.72	1.68	1.90
Drop-hammer operators, board, under 3,000 lb.....	1.58	1.58	1.64	1.36	1.36	1.50	1.75	1.64
Drop-hammer operators, board, 3,000 lb. and over.....	1.97	1.79	2.18	(*)	1.66	1.58	2.08	2.03
Drop-hammer operators, steam, under 5,000 lb.....	2.06	1.97	-----	1.62	2.47	1.72	2.01	2.02
Drop-hammer operators, steam, 5,000 lb. and over.....	2.12	2.53	-----	1.71	2.12	1.45	2.13	2.65
Electricians, maintenance.....	1.16	1.18	1.11	1.04	1.10	1.11	1.17	1.23
Forging-press operators, hydraulic (vertical).....	1.25	1.67	(*)	1.16	1.24	1.58	1.28	1.79
Guards.....	.77	.92	(*)	.84	.77	.84	.78	.95
Heat treaters, class A.....	1.09	1.09	.98	1.05	1.08	1.21	1.12	1.11
Heat treaters, class B.....	1.03	1.04	(*)	.87	.94	.98	1.05	1.07
Heaters, forge, light work.....	1.35	1.36	1.35	1.19	1.30	1.18	1.41	1.45
Heaters, forge, heavy work.....	1.42	1.55	(*)	1.02	1.11	1.35	1.51	1.61
Inspectors, class A.....	1.17	1.15	(*)	(*)	(*)	1.05	1.19	1.16
Inspectors, class B.....	1.08	.99	.95	.90	.91	.95	1.10	1.04
Inspectors, class C.....	.88	.97	.84	.80	.81	.88	.93	1.00
Janitors.....	.79	.77	.75	.70	.71	.75	.82	.78
Maintenance men, general utility.....	.98	1.06	1.01	1.01	1.00	1.08	.96	1.02
Mechanics, maintenance.....	1.06	1.17	.93	.96	1.04	1.02	1.11	1.22
Stock clerks.....	.92	.90	(*)	(*)	(*)	.86	.95	.93
Truckers, hand.....	.77	.79	(*)	.71	.77	.78	.78	.84
Truckers, power.....	.99	.94	.98	.82	.74	.88	1.01	.96
Upsetters, 2½" and under in diameter.....	1.40	1.32	1.79	1.07	1.22	1.07	1.29	1.55
Upsetters, over 2½" in diameter.....	1.48	1.84	(*)	1.47	1.32	1.76	1.52	1.95
Watchmen.....	.65	.71	.72	.70	.61	.72	.67	.77
Working foremen, processing departments.....	1.20	1.22	(*)	1.18	.97	1.17	1.24	1.17

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately. Almost all workers in the Pacific region were employed in communities of over 100,000 population.

(*) Insufficient number of workers to justify presentation of an average.

TABLE 43.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Iron and Steel Forging establishments, United States and selected regions, by unionization, January 1945

Occupation and grade	United States ²				Average hourly rates in—					
	Union establishments		Nonunion establishments		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
Carpenters, maintenance.....	124	\$1.12	19	\$1.01	\$0.99	\$0.95	\$1.05	(*)	\$1.17	(*)
Chippers and grinders.....	1,060	1.05	212	1.08	1.26	.83	1.07	\$0.86	1.04	\$1.26
Crane operators, electric bridge.....	633	1.01	50	.96	.94	.92	.98	(*)	1.03	(*)
Die sinkers.....	823	1.80	122	1.49	1.59	1.25	1.66	1.49	1.87	1.78
Drop-hammer operators, board, under 3,000 lb.....	1,321	1.58	246	1.59	1.56	1.52	1.45	1.37	1.67	1.67
Drop-hammer operators, board, 3,000 lb. and over.....	332	1.85	32	1.78	2.12	(*)	1.61	(*)	2.05	2.00
Drop-hammer operators, steam, under 5,000 lb.....	988	2.03	105	1.58	-----	1.62	2.14	1.33	2.02	1.80
Drop-hammer operators, steam, 5,000 lb. and over.....	724	2.55	75	1.81	-----	1.71	1.82	1.62	2.60	2.52
Electricians, maintenance.....	354	1.19	64	1.10	1.11	1.02	1.11	(*)	1.22	(*)
Forging-press operators, hydraulic (vertical).....	498	1.57	95	1.42	(*)	1.16	1.44	(*)	1.72	1.56
Guards.....	430	.90	40	.83	.75	.87	.82	(*)	.94	.78
Heat treaters, class A.....	169	1.10	138	1.08	1.03	1.04	1.16	(*)	1.09	1.21
Heat treaters, class B.....	845	1.05	63	.95	.89	.85	.98	(*)	1.07	1.02
Heaters, forge, light work.....	2,050	1.39	388	1.17	1.20	1.28	1.28	.93	1.47	1.16
Heaters, forge, heavy work.....	1,849	1.57	182	1.18	(*)	1.00	1.34	.86	1.60	1.48
Inspectors, class B.....	549	1.01	170	1.03	.95	.89	.95	(*)	1.04	1.35
Inspectors, class C.....	1,173	.95	76	.87	.84	.78	.87	(*)	.99	.95
Janitors.....	556	.78	96	.74	.72	.72	.75	(*)	.79	.77
Maintenance, men, general utility.....	320	1.01	66	1.17	1.00	1.06	1.00	1.07	1.00	1.06
Mechanics, maintenance.....	877	1.18	139	1.00	.95	.95	1.03	-----	1.21	1.14
Stock clerks.....	192	.92	37	.85	.85	(*)	.85	-----	.94	.85
Truckers, hand.....	529	.79	145	.75	.71	(*)	.78	(*)	.83	.82
Truckers, power.....	750	.95	37	.90	.99	.82	.86	-----	.97	(*)
Upsetters, over 2½" in diameter.....	388	1.78	42	1.32	1.60	(*)	1.52	-----	1.85	1.66
Watchmen.....	202	.75	71	.63	.74	(*)	.72	.61	.79	.61
Working foremen, processing departments.....	503	1.18	113	1.37	(*)	1.14	1.09	1.27	1.18	1.17

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.

(*) Insufficient number of workers to justify presentation of an average.

TABLE 44.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Iron and Steel Forging establishments, United States and selected regions, by method of wage payment, January 1945

Occupation and grade	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
Chippers and grinders.....	789	\$0.89	483	\$1.34	\$0.83	\$1.29	\$0.87	\$1.22	\$0.89	\$1.41
Die sinkers.....	673	1.63	272	2.08	1.28	1.68	1.64	1.62	1.69	2.23
Drop-hammer operators, board, under 3,000 lb.....	152	1.24	1,415	1.62	1.14	1.59	1.09	1.49	1.49	1.68
Drop-hammer operators, board, 3,000 lb. and over.....	33	1.21	331	1.90	(*)	2.15	1.02	1.66	1.40	2.09
Drop-hammer operators, steam, under 5,000 lb.....	240	1.72	853	2.06	-----	1.62	1.35	2.27	1.85	2.06
Drop-hammer operators, steam, 5,000 lb. and over.....	91	1.80	708	2.57	-----	1.71	1.16	2.03	1.97	2.67
Forging-press operators, hydraulic (vertical).....	89	1.43	504	1.57	(*)	1.16	1.81	1.40	1.39	1.74
Heat treaters, class A.....	222	1.04	85	1.20	1.05	.96	1.17	-----	1.02	1.22
Heat treaters, class B.....	776	1.01	132	1.18	.88	.85	.97	1.01	1.04	1.25
Heaters, forge, light work.....	540	1.15	1,898	1.41	(*)	1.25	.88	1.31	1.28	1.49
Heaters, forge, heavy work.....	412	1.23	1,619	1.61	1.00	-----	1.03	1.53	1.44	1.62
Upsetters, 2½" and under in diameter.....	65	1.29	108	1.36	.97	1.72	.99	1.17	1.70	1.40
Upsetters, over 2½" in diameter.....	99	1.44	331	1.82	(*)	1.59	-----	1.52	1.56	1.92

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

³ Includes data for other regions in addition to those shown separately.

TABLE 45.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Iron and Steel Forging establishments, by wage area, January 1945

Occupation and grade	Buffalo, N. Y.	Canton, Ohio	Chicago, Ill.	Cleveland, Ohio	Detroit, Mich.	Los Angeles, Calif.	Pittsburgh, Pa.
Carpenters, maintenance.....	\$1.10	\$1.20	\$1.19	\$1.18	\$1.31	-----	\$1.02
Chippers and grinders.....	1.09	1.24	.99	1.29	.96	(*)	1.32
Crane operators, electric bridge.....	.96	1.07	.99	1.00	1.14	\$1.12	1.06
Die sinkers.....	1.92	1.87	1.69	1.85	2.24	1.88	1.77
Drop-hammer operators, board, under 3,000 lb.....	1.64	1.69	1.74	1.55	1.79	2.02	1.76
Drop-hammer operators, board, 3,000 lb. and over.....	1.76	(*)	2.21	2.03	2.16	(*)	1.09
Drop-hammer operators, steam, under 5,000 lb.....	1.80	2.02	2.24	2.05	1.98	1.77	2.44
Drop-hammer operators, steam, 5,000 lb. and over.....	1.80	2.46	2.74	2.95	2.20	(*)	(*)
Electricians, maintenance.....	1.11	1.11	1.18	1.31	1.37	-----	1.10
Forging-press operators, hydraulic (vertical).....	-----	1.22	1.96	1.34	1.36	1.19	1.56
Guards.....	.84	.79	.95	1.04	1.07	.80	.87
Heat treaters, class A.....	(*)	1.05	1.25	1.13	(*)	(*)	(*)
Heat treaters, class B.....	.96	.90	1.06	1.31	1.13	1.10	.90
Heaters, forge, light work.....	1.19	1.78	1.75	1.26	1.46	1.37	1.29
Heaters, forge, heavy work.....	1.56	1.18	1.96	(*)	1.35	1.46	1.67
Inspectors, class A.....	1.05	1.08	1.16	(*)	1.21	1.31	(*)
Inspectors, class B.....	.95	1.09	1.01	1.07	1.14	1.10	.91
Inspectors, class C.....	.88	.82	.92	1.22	1.15	1.04	.88
Janitors.....	.78	.76	.76	.79	.92	.91	.78
Maintenance men, general utility.....	1.06	-----	.98	1.20	1.32	1.21	-----
Mechanics, maintenance.....	1.00	1.07	1.16	1.21	1.37	1.29	.98
Stock clerks.....	.89	.82	.91	.90	(*)	-----	.81
Truckers, hand.....	.80	-----	.85	.82	.94	-----	-----
Truckers, power.....	.90	.77	.87	.92	1.06	(*)	.89
Upsetters, 2½" and under in diameter.....	(*)	(*)	(*)	1.29	1.77	(*)	1.04
Upsetters, over 2½" in diameter.....	1.27	1.87	2.37	2.02	1.66	-----	2.30
Watchmen.....	(*)	-----	.71	.80	(*)	.86	.74
Working foremen, processing departments.....	1.10	1.01	1.15	1.37	1.24	1.46	(*)

¹ Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

Machinery

The study covered all machinery industries except those producing electrical machinery, machine tools, machine-tool accessories, and certain types of engines. Repair machine shops were also excluded. Both consumers' durable goods, such as washing machines, air conditioning equipment, refrigerators, sewing machines and other household equipment, and producers' goods, including general and specialized commercial and industrial machinery, engines and turbines

(except locomotive engines, air engines, automobile engines, and turbo-generators), agricultural construction, oil field, and mining equipment, and office and store machinery, were included in the study.

The scope of the survey corresponds to Industry Group 35 of the Standard Industrial Classification Manual (1941 edition) issued by the Bureau of the Budget, except for the exclusion of machine tools and machine-tool accessories.

TABLE 46.—Percentage distribution of plant workers in Machinery establishments by straight-time average hourly earnings¹ and region, January 1945

Average hourly earnings ¹	United States			All workers—								
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Moun-tain	Pacific
Under 45.0 cents.....	0.1	0.1	0.1	0.1	0.1	0.9	2.6	(?)	0.1	1.0	-----	(?)
45.0-49.9 cents.....	.2	.2	.4	.1	.1	1.1	4.1	0.1	.1	1.5	0.2	(?)
50.0-54.9 cents.....	1.0	.7	2.4	1.0	.7	2.6	15.2	.6	1.0	2.3	.7	(?)
55.0-59.9 cents.....	1.5	.9	4.1	2.0	1.4	4.1	9.3	.9	2.5	4.2	.2	(?)
60.0-64.9 cents.....	2.8	1.9	7.1	3.8	2.9	10.0	12.5	1.9	3.1	6.3	1.8	0.4
65.0-69.9 cents.....	5.0	3.3	13.5	6.3	5.7	9.2	7.3	4.1	9.0	7.9	7.2	.6
70.0-74.9 cents.....	6.4	5.2	12.7	9.0	6.9	15.9	7.7	5.3	10.0	8.7	10.0	1.0
75.0-79.9 cents.....	8.3	7.2	14.1	7.9	8.7	10.3	5.6	8.7	12.5	6.7	7.8	2.7
80.0-84.9 cents.....	8.3	7.6	11.9	10.4	7.8	7.4	5.0	8.5	10.0	7.2	11.9	5.2
85.0-89.9 cents.....	8.0	8.1	7.3	9.2	8.0	6.2	4.8	8.3	8.8	7.0	6.1	4.6
90.0-94.9 cents.....	8.1	8.3	7.3	8.9	7.8	5.1	4.5	8.6	8.5	4.1	10.4	5.9
95.0-99.9 cents.....	7.0	7.4	4.9	8.6	6.8	3.8	2.9	7.1	6.2	3.4	4.1	8.9
100.0-104.9 cents.....	7.5	8.3	3.8	7.2	8.2	6.1	4.6	7.5	7.3	4.0	6.1	7.9
105.0-109.9 cents.....	6.0	6.6	2.9	5.1	6.4	3.1	3.3	5.9	9.4	5.2	14.5	4.9
110.0-114.9 cents.....	6.3	7.2	2.0	4.8	6.2	4.2	2.7	6.9	2.5	9.5	4.3	8.8
115.0-119.9 cents.....	5.0	5.6	1.8	3.1	4.8	2.0	2.6	5.8	3.9	3.8	4.4	4.8
120.0-124.9 cents.....	4.2	4.8	1.2	2.6	4.3	3.1	2.1	4.6	1.4	4.5	2.8	6.2
125.0-129.9 cents.....	4.3	5.1	.7	2.7	4.2	1.6	1.4	3.9	1.3	4.8	3.3	16.6
130.0-134.9 cents.....	2.5	2.9	.6	1.6	2.4	1.1	.5	2.7	.5	2.5	1.5	5.5
135.0-139.9 cents.....	2.3	2.6	.8	1.4	1.9	1.0	.3	2.3	1.1	2.4	.8	7.5
140.0-144.9 cents.....	1.4	1.6	.2	1.1	1.2	.3	.1	1.6	.2	1.4	.6	2.7
145.0-149.9 cents.....	.9	1.1	.2	.9	.9	.2	(?)	1.1	.1	.5	.3	1.4
150.0-159.9 cents.....	1.3	1.5	.2	1.1	1.1	.4	.6	1.5	.3	.7	.6	2.5
160.0-169.9 cents.....	.7	.8	.2	.5	.7	.2	.2	.8	.1	.3	.2	1.0
170.0-179.9 cents.....	.4	.4	.1	.2	.3	.1	.1	.5	.1	.1	.2	.5
180.0-189.9 cents.....	.2	.3	(?)	.2	.2	(?)	(?)	.3	(?)	(?)	(?)	.2
190.0-199.9 cents.....	.1	.1	(?)	.1	.1	(?)	(?)	.2	(?)	(?)	(?)	.1
200.0 cents and over.....	.2	.2	(?)	.1	.2	(?)	(?)	.3	(?)	(?)	(?)	.1
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	828,000	692,200	135,800	91,600	202,500	15,600	15,300	404,200	35,700	17,300	2,500	43,300
Average hourly earnings¹.....	\$0.98	\$1.01	\$0.81	\$0.93	\$0.97	\$0.82	\$0.75	\$1.00	\$0.88	\$0.91	\$0.93	\$1.14

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

TABLE 47.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machinery establishments, by region, January 1945

Occupation, grade and sex	United States		Average hourly rates in—								
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Moun-tain	Pacific
<i>Men</i>											
Acid dippers.....	490	\$0.90	\$0.85	\$1.01				\$0.91	\$0.75	(?)	
Assemblers, class A.....	21,037	1.13	1.02	1.15	\$1.04	\$0.95	1.14	1.01	\$1.07	\$1.23	\$1.22
Assemblers, class B.....	30,437	1.00	1.00	.98	.82	.75	1.03	.87	.86	.95	1.07
Assemblers, class C.....	16,458	.87	.83	.85	.68	.59	.92	.75	.73	.72	.98
Automatic-lathe operators, class A.....	1,243	1.19	1.05	1.30	(?)	.87	1.22	1.00	(?)		(?)
Automatic-lathe operators, class B.....	1,752	1.07	.99	1.01	1.11	(?)	1.10	(?)	(?)		(?)
Automatic-lathe operators, class C.....	1,340	1.08	.88	1.03	(?)	.55	1.15	.82	(?)		(?)
Carpenters, maintenance.....	2,976	1.01	.96	.97	.83	.86	1.06	.94	.95	(?)	1.25
Chippers and grinders.....	11,110	.91	.88	.92	.75	.61	.96	.83	.70	.87	1.04
Coremakers, hand.....	4,628	1.15	1.03	1.22	1.02	.92	1.15	1.00	.99	(?)	1.24
Coremakers, turn-over-draw-machine.....	403	1.33	(?)	1.32			(?)	1.40	1.08		
Crane operators, electric bridge.....	5,881	.93	.89	.93	.90	.80	.91	.89	.94	(?)	1.15
Die setters.....	576	1.04	.99	1.01			1.09				
Drill-press operators, radial, class A.....	4,080	1.12	1.06	1.10	1.03	1.00	1.18	1.00	1.01	1.05	1.16
Drill-press operators, radial, class B.....	5,254	1.00	.92	.97	.86	.82	1.01	.86	.91	(?)	1.14
Drill-press operators, radial, class C.....	1,918	.91	.78	.94	.80	(?)	.91	(?)	(?)		1.00
Drill-press operators, single- and multiple-spindle, class A.....	2,529	1.11	1.03	1.14	.99	.86	1.15	.91	(?)	(?)	1.14
Drill-press operators, single- and multiple-spindle, class B.....	7,468	.99	.89	1.01	.86	.74	1.02	.86	.82	(?)	1.00
Drill-press operators, single- and multiple-spindle, class C.....	6,921	.88	.81	.83	.65	.58	.96	.76	.71	(?)	.96
Drop-hammer operators, board, under 3,000 lb.....	241	1.16	1.03	.93	(?)	(?)	1.50		(?)		
Drop-hammer operators, steam, under 5,000 lb.....	435	1.30	1.54	1.28	.89	(?)	1.44	1.04	(?)	(?)	1.12
Drop-hammer operators, steam, 5,000 lb. and over.....	129	1.58		(?)			1.56		(?)	(?)	(?)
Electricians, maintenance.....	4,012	1.10	1.07	1.07	1.07	1.03	1.11	.99	1.20	1.06	1.34
Engine-lathe operators, class A.....	13,786	1.16	1.02	1.18	1.11	1.04	1.17	1.06	1.18	1.08	1.28
Engine-lathe operators, class B.....	11,025	1.03	.90	1.03	.94	.84	1.07	.88	.93	.88	1.17
Engine-lathe operators, class C.....	4,134	.90	.79	.89	.74	.66	.94	.87	.77	(?)	1.04
Fitters, boiler shop.....	201	1.12			1.22	(?)	1.03			(?)	1.23
Fitters, structural, class A.....	396	1.20		1.16	(?)	(?)	1.23		(?)	(?)	1.26
Fitters, structural, class B.....	364	1.10		1.13	.85	(?)	1.09		(?)	(?)	1.14
Flame-cutting-machine operators.....	515	1.07		1.10		(?)	1.06		.98	(?)	1.19
Forging-press operators, hydraulic (vertical).....	182	1.21		2.07		.61	1.18		.97	(?)	(?)
Grinding-machine operators, class A.....	6,078	1.20	1.12	1.24	1.04	.97	1.21	1.06	1.14	1.17	1.27
Grinding-machine operators, class B.....	8,701	1.16	1.05	1.13	.85	.74	1.21	.97	1.08	(?)	1.16
Grinding-machine operators, class C.....	5,694	1.04	.98	1.00	.67	.61	1.16	.86	.89		.97
Guards.....	6,341	.84	.85	.84	.64	.66	.85	.77	.74	(?)	.89
Heat treaters, class A.....	784	1.12	1.07	1.09	(?)	(?)	1.18	1.04	(?)	(?)	1.20
Heat treaters, class B.....	1,978	.96	.92	.93	(?)	(?)	.99	.91	(?)	(?)	(?)
Heaters, forge, light work.....	312	1.10	1.09	1.20	(?)	(?)	1.14		.96		(?)
Heaters, forge, heavy work.....	418	1.27	1.20	1.27	(?)	(?)	1.33	(?)	(?)		1.30
Inspectors, class A.....	5,938	1.15	1.05	1.16	1.07	1.06	1.16	1.07	1.23	1.05	1.26
Inspectors, class B.....	9,606	1.02	.96	.97	.85	.79	1.05	1.01	.97	(?)	1.06
Inspectors, class C.....	5,769	.86	.85	.83	.73	.73	.89	.77	1.03	(?)	.96
Janitors.....	11,786	.74	.74	.73	.59	.51	.76	.68	.60	.66	.86
Lay-out men, class A.....	1,281	1.15	1.13	1.20	1.10	(?)	1.17	1.00	1.19	(?)	1.34
Lay-out men, class B.....	486	1.00	(?)	1.01	(?)	(?)	.99	(?)	(?)	(?)	(?)
Machinists, maintenance.....	4,306	1.17	1.14	1.12	1.16	1.09	1.18	1.12	1.29	(?)	1.36
Machinists, production.....	13,040	1.19	1.02	1.18	1.13	1.04	1.20	1.10	1.18	1.06	1.32
Machine-tool operators, miscellaneous machines.....	9,803	1.03	.90	.98	.92	.83	1.08	.99	1.02	(?)	1.20
Maintenance men, general utility.....	2,375	.98	.93	.99	.93	.94	.99	.88	.93	(?)	1.17
Mechanics, maintenance.....	2,793	1.10	.92	1.04	1.01	.97	1.13	.98	1.20	1.05	1.24
Milling-machine operators, class A.....	7,497	1.16	1.08	1.18	1.11	.98	1.17	1.06	1.15	1.22	1.27
Milling-machine operators, class B.....	7,417	1.05	.93	1.01	.89	.84	1.10	.91	.92	(?)	1.14
Milling-machine operators, class C.....	3,730	.96	.83	.88	.65	.66	1.03	.93	.74	(?)	1.08
Millwrights.....	2,824	1.06	.98	1.05	.96	.94	1.09	.94	(?)		(?)
Molders, floor.....	5,490	1.15	1.17	1.21	1.04	.97	1.15	1.04	1.09	(?)	1.26
Molders, hand, bench.....	2,199	1.10	1.14	1.17	1.14	.84	1.12	1.00	.98	(?)	1.26
Molders, machine.....	4,612	1.19	1.25	1.21	1.41	.94	1.22	1.06	1.00	(?)	1.29
Painters, finish.....	1,985	.99	.98	1.01	.89	.84	1.00	.82	(?)		1.20
Painters, rough.....	3,936	.91	.86	.89	.80	.62	.95	.86	.89	(?)	1.03
Patternmakers, wood.....	1,896	1.23	1.21	1.26	1.11	1.10	1.25	1.07	1.07	1.22	1.49
Platers.....	559	.98	.98	.94	(?)	(?)	1.07	.80	(?)	(?)	
Platers' helpers.....	373	.83	.77	.81	(?)	(?)	.87	(?)	(?)	(?)	
Polishers and buffers, metal.....	658	1.14	1.09	1.21	(?)		.99		(?)		
Polishing-and-buffing-machine operators.....	1,309	1.07	.96	1.18			1.04	.83			1.02
Pourers, metal.....	1,002	.90	.91	.83			.98	1.00	.71	(?)	(?)
Power-brake operators, class A.....	278	1.17	(?)	1.10	(?)	(?)	1.20	(?)			
Power-brake operators, class B.....	213	.94	(?)	.92	(?)	(?)	.97	(?)	(?)		
Power-shear operators, class A.....	626	1.09	1.34	1.04	.88	(?)	1.11	.83		(?)	1.07
Power-shear operators, class B.....	775	.93	.92	.93	.86	(?)	.95	.86	(?)	(?)	.95
Punch-press operators, class A.....	1,818	1.12	1.27	1.09	.96	(?)	1.10	.99		(?)	1.05
Punch-press operators, class B.....	3,553	.94	.87	.85	.83	.68	.99	.93	(?)		.98

See footnotes at end of table.

TABLE 47.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Machinery establishments, by region, January 1945—Continued

Occupation, grade, and sex	United States		Average hourly rates in—								
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Mountain	Pacific
<i>Men—Continued</i>											
Sand mixers, hand and machine.....	1,560	\$0.80	\$0.79	\$0.81	\$0.75	\$0.54	\$0.86	\$0.76	\$0.56	(?)	\$0.98
Screw-machine operators, automatic, class A.....	2,021	1.22	1.13	1.24	1.09	1.00	1.28	(?)	(?)	(?)	1.32
Screw-machine operators, automatic, class B.....	2,256	1.11	1.02	1.04	1.14	.79	1.19	.97	(?)	(?)	1.09
Screw-machine operators, automatic, class C.....	1,638	1.04	.99	.99	(?)	(?)	1.08	.80	(?)	(?)	1.05
Set-up men, machine tools.....	8,106	1.17	1.09	1.12	1.16	1.01	1.24	1.09	1.29	(?)	1.34
Shake-out men.....	3,364	.84	.79	.82	.74	.56	.91	.88	.56	.73	.94
Sheet-metal-machine operators, miscellaneous machines.....	2,126	.99	.99	1.09	1.00	.55	.96	.97	(?)	(?)	1.10
Sheet-metal workers, production.....	1,981	1.11	1.04	1.17	1.03	.87	1.09	(?)	.95	(?)	1.27
Stock clerks.....	9,759	.85	.83	.85	.73	.74	.87	.80	.82	(?)	.98
Tool-and-die makers.....	12,283	1.29	1.24	1.28	1.20	1.17	1.29	1.19	1.36	(?)	1.45
Truck drivers.....	3,511	.87	.86	.85	.75	.57	.90	.79	.74	(?)	1.00
Truckers, hand.....	11,132	.79	.80	.75	.68	.57	.81	.70	.60	(?)	.98
Truckers, power.....	3,169	.85	.85	.82	(?)	(?)	.87	.80	.75	(?)	.98
Turret-lathe operators, hand (including hand-screw machine), class A.....	11,255	1.17	1.07	1.19	1.09	1.03	1.19	1.08	1.13	(?)	1.28
Turret-lathe operators, hand (including hand-screw machine), class B.....	11,469	1.05	.96	1.02	.87	.85	1.09	.95	.95	.82	1.13
Turret-lathe operators, hand (including hand-screw machine), class C.....	4,875	.90	.86	.90	.65	.66	.95	.84	.81	-----	1.00
Watchmen.....	3,918	.67	.67	.65	.60	.50	.72	.59	.50	(?)	.78
Welders, hand, class A.....	10,384	1.17	1.13	1.19	1.14	1.07	1.17	1.01	1.18	1.12	1.28
Welders, hand, class B.....	6,131	1.07	1.03	1.05	.84	.91	1.11	.84	.99	(?)	1.23
Welders, machine, class A.....	784	1.15	1.11	1.18	1.03	.95	1.16	1.08	(?)	-----	1.23
Welders, machine, class B.....	1,448	1.08	1.23	.98	(?)	(?)	1.06	.98	.85	-----	(?)
Working foremen, processing departments.....	17,175	1.22	1.14	1.27	1.11	1.08	1.17	1.10	1.28	1.10	1.41
<i>Women</i>											
Assemblers, class B.....	3,549	.92	.90	.97	(?)	.64	.99	.84	.91	(?)	.83
Assemblers, class C.....	14,796	.81	.72	.77	.68	.55	.87	.72	.84	-----	.83
Chippers and grinders.....	918	.83	.67	.78	-----	(?)	.89	.72	(?)	-----	(?)
Coremakers, hand.....	280	.92	(?)	1.06	-----	(?)	.97	.69	-----	-----	-----
Drill-press operators, radial, class B.....	207	.91	(?)	-----	-----	-----	.92	(?)	.91	-----	.88
Drill-press operators, radial, class C.....	374	.84	(?)	.90	(?)	-----	.83	-----	(?)	-----	.84
Drill-press operators, single- and multiple-spindle, class A.....	127	1.05	(?)	(?)	-----	(?)	1.10	-----	(?)	(?)	(?)
Drill-press operators, single- and multiple-spindle, class B.....	1,513	.95	.88	1.05	.79	.74	.98	.84	(?)	(?)	.98
Drill-press operators, single- and multiple-spindle, class C.....	7,168	.82	.73	.74	.58	.63	.94	.73	(?)	(?)	.83
Engine-lathe operators, class B.....	501	.99	.88	.95	(?)	(?)	1.06	1.04	(?)	(?)	1.00
Engine-lathe operators, class C.....	1,561	.81	.74	.79	.69	.62	.86	.81	(?)	(?)	.97
Grinding-machine operators, class B.....	1,020	1.05	1.00	.96	.75	(?)	1.12	(?)	(?)	(?)	1.06
Grinding-machine operators, class C.....	3,452	.92	.90	.85	.70	.57	1.00	.84	(?)	(?)	.94
Inspectors, class A.....	120	1.07	.98	(?)	-----	(?)	1.11	(?)	(?)	-----	1.09
Inspectors, class B.....	2,553	.90	.83	.86	.75	.77	.98	.86	1.03	(?)	.96
Inspectors, class C.....	21,320	.76	.75	.74	.70	.58	.78	.69	.79	(?)	.85
Janitors.....	1,776	.69	.68	.68	.59	(?)	.69	.70	.55	(?)	.80
Machine-tool operators, miscellaneous machines.....	361	.93	(?)	.81	(?)	(?)	.98	-----	(?)	-----	.94
Milling-machine operators, class B.....	628	.98	.88	1.02	(?)	.80	1.00	(?)	(?)	(?)	(?)
Milling-machine operators, class C.....	2,396	.88	.79	.91	.69	.70	.90	.80	(?)	-----	.89
Painters, rough.....	287	.82	.72	.86	-----	(?)	.84	.79	(?)	-----	(?)
Platers' helpers.....	220	.79	(?)	.71	.98	(?)	.86	-----	-----	-----	-----
Polishing-and-buffering-machine operators.....	454	.81	.80	.88	(?)	(?)	.76	(?)	-----	-----	.93
Punch-press operators, class B.....	3,022	.80	.77	.76	(?)	-----	.87	.77	-----	-----	.81
Screw-machine operators, automatic, class B.....	161	1.16	(?)	(?)	-----	-----	1.15	-----	-----	-----	1.21
Screw-machine operators, automatic, class C.....	303	.87	.78	.83	-----	.67	.95	.70	(?)	-----	-----
Stock clerks.....	2,836	.79	.75	.80	(?)	(?)	.79	.74	.75	-----	.89
Turret-lathe operators, hand (including hand-screw machine), class B.....	870	1.00	.88	1.06	(?)	(?)	1.03	(?)	.89	(?)	1.03
Turret-lathe operators, hand (including hand-screw machine), class C.....	1,813	.85	.74	.84	.77	(?)	.90	.83	.83	(?)	.92
Welders, hand, class A.....	142	1.16	(?)	(?)	-----	-----	1.27	.95	(?)	(?)	1.26
Welders, hand, class B.....	897	.94	.91	.85	(?)	(?)	.98	.74	1.13	-----	1.17
Welders, machine, class B.....	295	.95	1.26	.95	(?)	.84	.88	(?)	-----	-----	-----

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 48.—Average hourly wage rates (straight-time hourly earnings) ¹ for men in selected plant occupations in Machinery establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²						New England			Middle Atlantic		
	Establishments with—											
	8-250 workers		251-500 workers		501 or more workers		8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates					
Assemblers, class A.....	6,337	\$1.10	2,915	\$1.09	11,785	\$1.15	\$0.98	\$1.00	\$1.04	\$1.11	\$1.12	\$1.18
Assemblers, class B.....	10,231	.92	4,685	.95	15,821	1.08	.86	.90	1.07	.93	.96	1.04
Assemblers, class C.....	5,785	.76	2,843	.80	7,830	.98	.74	.82	.92	.78	.84	.95
Automatic-lathe operators, class A.....	158	1.12	296	1.06	791	1.25	1.04	.96	1.11	1.08	(³)	1.33
Automatic-lathe operators, class B.....	310	1.03	198	1.10	1,244	1.07	.85	.93	1.00	.89	.90	1.03
Automatic-lathe operators, class C.....	180	.81	116	.96	1,044	1.14	.68	.82	.90	.81	.90	1.11
Carpenters, maintenance.....	675	.99	421	.97	1,880	1.03	.92	.93	.98	.94	.92	.99
Chippers and grinders.....	2,858	.79	1,783	.85	6,471	.98	.74	.72	1.00	.79	.96	.97
Crane operators, electric bridge.....	825	.90	811	.88	4,245	.94	.78	.73	.93	.89	.87	.96
Drill-press operators, radial, class A.....	1,260	1.08	628	1.08	2,192	1.16	.99	1.00	1.10	1.08	1.15	1.09
Drill-press operators, radial, class B.....	1,705	.93	830	.97	2,719	1.05	.86	.87	1.01	.92	.96	1.03
Drill-press operators, radial, class C.....	501	.80	236	.83	1,181	.98	.73	.71	.90	.84	.86	.98
Drill-press operators, single- and multiple-spindle, class A.....	694	1.02	316	.99	1,519	1.18	.96	.95	1.07	1.01	1.07	1.21
Drill-press operators, single- and multiple-spindle, class B.....	2,925	.92	844	.93	3,699	1.07	.84	.87	.93	.90	.99	1.12
Drill-press operators, single- and multiple-spindle, class C.....	2,906	.79	981	.82	3,034	1.00	.74	.71	.85	.74	.77	.98
Electricians, maintenance.....	549	1.07	507	1.06	2,958	1.11	1.06	1.01	1.08	1.02	1.06	1.08
Engine-lathe operators, class A.....	6,837	1.14	1,977	1.14	4,872	1.19	.99	1.01	1.05	1.14	1.17	1.23
Engine-lathe operators, class B.....	5,619	.97	1,450	1.00	3,978	1.13	.87	.85	.94	.96	.97	1.15
Engine-lathe operators, class C.....	2,103	.81	553	.95	1,478	1.01	.74	.75	.88	.79	.91	1.01
Grinding-machine operators, class A.....	1,617	1.18	852	1.17	3,609	1.21	1.08	1.04	1.13	1.16	1.26	1.27
Grinding-machine operators, class B.....	1,745	1.00	898	1.05	6,058	1.22	.94	.86	1.07	.97	1.06	1.23
Grinding-machine operators, class C.....	729	.80	729	.86	4,236	1.10	.75	(³)	.99	.80	.99	1.07
Guards.....	1,012	.77	991	.80	4,338	.86	.76	.68	.88	.77	.79	.86
Inspectors, class A.....	838	1.17	773	1.10	4,327	1.16	1.08	.96	1.06	1.18	1.09	1.16
Inspectors, class B.....	1,172	.98	1,204	.97	7,230	1.03	.86	.97	.96	.97	.89	.98
Inspectors, class C.....	589	.78	692	.81	4,488	.88	.76	.74	.87	.76	.76	.85
Janitors.....	3,155	.68	1,687	.73	6,944	.77	.67	.65	.77	.68	.72	.76
Machinists, maintenance.....	768	1.16	501	1.08	3,037	1.18	1.01	1.01	1.17	1.13	1.07	1.13
Machinists, production.....	9,547	1.19	1,183	1.22	2,310	1.18	1.02	1.14	1.03	1.15	1.26	1.25
Machine-tool operators, miscellaneous machines.....	7,052	.99	481	.98	2,270	1.16	.88	.98	.96	.97	1.04	1.06
Maintenance men, general utility.....	1,138	1.00	516	.93	721	.99	.96	.83	.95	.99	.97	1.00
Mechanics, maintenance.....	379	1.05	408	1.03	2,006	1.12	1.05	.81	.91	1.01	.97	1.06
Milling-machine operators, class A.....	2,188	1.13	1,041	1.10	4,288	1.20	.99	.98	1.13	1.12	1.16	1.22
Milling-machine operators, class B.....	2,823	.95	899	1.03	3,695	1.12	.87	.86	.96	.93	1.01	1.09
Milling-machine operators, class C.....	1,201	.82	580	.92	1,949	1.05	.81	.87	.83	.78	.98	.92
Millwrights.....	240	1.01	339	1.01	2,245	1.07	.89	.90	1.01	1.00	1.07	1.06
Painters, rough.....	1,233	.80	642	.90	2,061	.98	.76	.81	.91	.79	.86	.97
Set-up men, machine tools.....	1,066	1.14	822	1.09	6,218	1.19	1.09	1.02	1.09	1.13	.97	1.15
Stock clerks.....	2,255	.82	1,456	.83	6,048	.87	.78	.76	.85	.81	.81	.87
Tool-and-die makers.....	4,225	1.30	1,603	1.24	6,455	1.29	1.18	1.15	1.29	1.31	1.22	1.27
Truck drivers.....	1,446	.84	509	.83	1,556	.91	.82	.80	.89	.84	.76	.90
Truckers, hand.....	1,572	.72	1,605	.75	7,955	.81	.78	.73	.81	.73	.74	.77
Turret-lathe operators, hand (including hand-screw machine), class A.....	3,711	1.13	1,858	1.17	5,686	1.20	.99	1.08	1.10	1.12	1.21	1.23
Turret-lathe operators, hand (including hand-screw machine), class B.....	4,452	.99	1,808	1.05	5,209	1.11	.87	.95	1.02	.95	1.08	1.08
Turret-lathe operators, hand (including hand-screw machine), class C.....	1,833	.79	856	.90	2,186	1.00	.71	.77	.94	.78	.89	.98
Welders, hand, class A.....	3,478	1.17	1,576	1.13	5,330	1.18	1.05	1.08	1.20	1.11	1.18	1.27
Welders, hand, class B.....	2,232	.95	845	.95	3,054	1.19	.89	.86	1.15	.99	.95	1.13

See footnotes at end of table.

TABLE 48.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machinery establishments, United States and selected regions, by size of establishment, January 1945—Continued

Occupation and grade	Average hourly rates in—											
	Great Lakes			Middle West			Southwest			Pacific		
	Establishments with—											
	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers
Assemblers, class A	\$1.11	\$1.10	\$1.16	\$0.96	\$0.99	\$1.02	\$1.05	\$1.02	\$1.11	\$1.19	\$1.25	\$1.27
Assemblers, class B	.92	.96	1.11	.81	.91	.84	.84	.83	.90	1.05	1.12	1.07
Assemblers, class C	.78	.80	1.03	.60	.81	.74	.74	(²)	.72	.99	.97	.95
Automatic-lathe operators, class A	1.13	1.11	1.23		.93	1.05			1.19	1.26		
Automatic-lathe operators, class B	1.06	1.07	1.12		(²)				(²)	(²)		(²)
Automatic-lathe operators, class C	.88	1.08	1.19		.82	(²)			.89	1.00		
Carpenters, maintenance	1.02	1.01	1.07	.93	.94	.94	1.12	.81	.94	1.22	1.23	1.29
Chippers and grinders	.81	.89	1.02	.73	.86	.88	.62		.72	1.02	1.01	1.10
Crane operators, electric bridge	.90	.90	.92	.75	.84	.93	.71	.87	1.15	1.11	1.01	1.19
Drill-press operators, radial, class A	1.05	1.09	1.27	.96	.88	1.04	1.01	(²)	(²)	1.19	1.20	1.12
Drill-press operators, radial, class B	.92	.99	1.06	.87	.85	(²)	.84	(²)	1.00	1.14	1.15	1.13
Drill-press operators, radial, class C	.77	.84	.98	.83			.70	(²)	(²)	1.08	.92	1.00
Drill-press operators, single- and multiple-spindle, class A	1.04	1.00	1.20	.92	.78	1.05	(²)		.91	1.16	1.06	1.10
Drill-press operators, single- and multiple-spindle, class B	.95	.93	1.08	.74	.90	.87	.83		.76	1.02	1.04	.90
Drill-press operators, single- and multiple-spindle, class C	.86	.85	1.05	.64	.79	.80	.70		(²)	.93	1.00	.96
Electricians, maintenance	1.08	1.08	1.12	.98	.96	1.02	1.09	1.15	1.22	1.31	1.32	1.35
Engine-lathe operators, class A	1.15	1.14	1.21	1.09	1.00	1.08	1.15	(²)	1.22	1.26	1.31	1.31
Engine-lathe operators, class B	.99	1.04	1.17	.86	.88	.95	.88		1.03	1.19	1.16	1.12
Engine-lathe operators, class C	.85	.99	1.02	.76	.86	1.02	.77		(²)	1.05		1.02
Grinding-machine operators, class A	1.21	1.16	1.23	(²)	1.01	1.09	1.06	(²)	1.19	1.26	1.27	1.29
Grinding-machine operators, class B	1.05	1.08	1.26	.78	.88	1.06	.92	(²)	1.15	1.22	1.02	1.14
Grinding-machine operators, class C	.83	1.00	1.24	.87	.84	.88	(²)	(²)	1.08	.99	(²)	.96
Guards	.78	.80	.87	(²)	.82	.73	.59		.83	.87	.91	.93
Inspectors, class A	1.17	1.10	1.17	1.04	1.04	1.09	1.14	(²)	1.26	1.23	1.36	1.26
Inspectors, class B	1.00	1.01	1.07	(²)	.90	1.06	.85	(²)	1.05	1.08	1.10	1.05
Inspectors, class C	.80	.84	.91	.64	.82	.73	.78	(²)	1.08	.88	.98	.98
Janitors	.69	.75	.78	.58	.69	.72	.59	(²)	.63	.86	.86	.85
Machinists, maintenance	1.18	1.10	1.20	1.26	1.05	1.16	1.20		1.30	1.33	1.30	1.39
Machinists, production	1.21	1.15	1.19	1.13	1.01	1.08	1.20	1.24	1.14	1.31	1.46	1.34
Machine-tool operators, miscellaneous machines	.98	.91	1.28	.99	(²)	1.05	1.06	1.06	.99	1.20	(²)	1.19
Maintenance men, general utility	.99	.96	1.00	.87	.86	.94	.99	.83	.87	1.16	1.14	1.24
Mechanics, maintenance	1.09	1.06	1.15	.78	.92	1.07	1.04	(²)	1.37	1.11	1.23	1.30
Milling-machine operators, class A	1.16	1.08	1.21	.91	1.01	1.10	1.14	(²)	(²)	1.26	1.28	1.28
Milling-machine operators, class B	.96	1.08	1.19	.96	.90	.88	.88	(²)	1.02	1.19	1.12	1.10
Milling-machine operators, class C	.84	.88	1.15	.76	.82	.98	.70	(²)	.79	1.09	(²)	(²)
Millwrights	1.07	1.05	1.09		.89	1.03	(²)		(²)	(²)		(²)
Painters, rough	.80	.95	1.02	.76	.89	.87	.66	(²)	1.01	1.03	(²)	1.08
Set-up men, machine tools	1.12	1.19	1.12	1.30	1.00	1.16	(²)	(²)	1.31	1.34	(²)	1.36
Stock clerks	.83	.87	.88	.81	.79	.81	.76	.82	.97	.99	.94	.98
Tool-and-die makers	1.30	1.26	1.29	1.37	1.15	1.28	1.31	(²)	1.41	1.46	1.43	1.46
Truck drivers	.88	.88	.92	.77	.82	.77	.68	(²)	.86	1.00	1.03	1.01
Truckers, hand	.75	.78	.82	.62	.69	.75	.58		(²)	.95	1.00	.96
Turret-lathe operators, hand (including hand-screw machine), class A	1.15	1.16	1.22	1.06	1.07	1.09	1.12	(²)	1.14	1.26	1.35	1.28
Turret-lathe operators, hand (including hand-screw machine), class B	1.02	1.08	1.14	.94	.93	.98	.90	(²)	1.07	1.14	1.13	1.11
Turret-lathe operators, hand (including hand-screw machine), class C	.82	.93	1.04	.75	.85	(²)	.75		.96	1.01	1.00	.94
Welders, hand, class A	1.16	1.12	1.18	1.04	.99	1.00	1.17	1.18	1.18	1.27	1.28	1.32
Welders, hand, class B	.94	.97	1.23	.82	.95	.79	.87	.97	1.11	1.21	(²)	1.29

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 49.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machinery establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ¹			New England			Middle Atlantic		
	Communities of—								
	Under 25,000	25,000 but under 100,000	100,000 and over	Under 25,000	25,000 but under 100,000	100,000 and over	Under 25,000	25,000 but under 100,000	100,000 and over
Assemblers, class A	\$1.02	\$1.10	\$1.15	\$0.94	\$0.98	\$1.05	\$1.04	\$1.20	\$1.15
Assemblers, class B	.91	.90	1.03	.82	1.26	.94	.97	.95	1.00
Assemblers, class C	.76	.85	.90	.79	.76	.84	.76	.85	.87
Carpenters, maintenance	.88	.98	1.05	.86	.93	.99	.87	.97	1.01
Chippers and grinders	.80	.90	.96	.77	1.16	.89	.87	.90	.95
Drill-press operators, single- and multiple-spindle, class A	1.09	1.15	1.09	.87	1.05	1.06	.98	1.23	1.07
Drill-press operators, single- and multiple-spindle, class B	.88	.99	1.02	.85	.77	.91	.89	1.06	1.02
Drill-press operators, single- and multiple-spindle, class C	.79	.86	.91	.80	.73	.81	.75	.86	.84
Engine-lathe operators, class A	1.06	1.12	1.19	.90	.91	1.09	1.16	1.16	1.19
Engine-lathe operators, class B	1.00	1.02	1.04	.84	.82	.94	1.08	1.00	1.02
Engine-lathe operators, class C	.87	.92	.90	.78	.72	.81	1.01	.89	.82
Grinding-machine operators, class A	1.12	1.20	1.21	.92	.95	1.15	1.25	1.27	1.22
Grinding-machine operators, class B	1.05	1.16	1.17	.94	.87	1.07	1.04	1.17	1.13
Grinding-machine operators, class C	.87	.95	1.08	.92	.76	.99	.87	1.03	.97
Inspectors, class A	1.05	1.13	1.17	.97	1.09	1.06	1.09	1.21	1.17
Inspectors, class B	.94	.99	1.03	.84	1.02	.96	.94	.98	.97
Inspectors, class C	.80	.79	.89	(⁴)	(⁴)	.85	.80	.76	.87
Janitors	.66	.71	.76	.63	.69	.76	.68	.76	.73
Machinists, maintenance	1.03	1.10	1.20	.93	1.08	1.18	1.10	1.10	1.14
Machinists, production	1.06	1.16	1.23	.93	1.01	1.05	1.03	1.14	1.20
Machine-tool operators, miscellaneous machines	.93	.94	1.07	.86	.80	.91	1.01	.88	.99
Maintenance men, general utility	.92	.94	1.01	.82	.85	.96	.80	.95	1.03
Milling-machine operators, class A	1.07	1.16	1.19	.99	.88	1.12	1.05	1.24	1.18
Milling-machine operators, class B	.94	1.01	1.08	.84	.86	.96	.96	.98	1.03
Milling-machine operators, class C	.85	1.01	.97	.75	(⁴)	.88	.93	.86	.85
Stock clerks	.78	.84	.87	.75	.78	.84	.75	.93	.84
Tool-and-die makers	1.16	1.23	1.32	1.02	1.16	1.26	1.18	1.31	1.30
Truckers, hand	.68	.77	.81	.75	.69	.81	.68	.78	.77
Turret-lathe operators, hand (including hand-screw machines), class A	1.09	1.14	1.20	.93	.94	1.13	1.12	1.19	1.20
Turret-lathe operators, hand (including hand-screw machines), class B	.92	1.03	1.08	.90	.74	.98	.92	1.00	1.05
Turret-lathe operators, hand (including hand-screw machines), class C	.73	.85	.95	.76	.67	.88	.79	.84	.92
Watchmen	.59	.67	.69	.59	.61	.69	.61	.65	.67
Welders, hand, Class A	1.04	1.08	1.23	.84	1.00	1.21	1.08	1.09	1.23
Welders, hand, class B	.92	1.01	1.12	.84	1.30	.99	1.00	1.01	1.09

See footnotes at end of table.

TABLE 49.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machinery establishments, United States and selected regions, by size of community, January 1945—Continued

Occupation and grade	Great Lakes			Middle West			Southwest			Pacific ²		
	Communities of—											
	Under 25,000	25,000 but under 100,000	100,000 and over	Under 25,000	25,000 but under 100,000	100,000 and over	Under 25,000	25,000 but under 100,000	100,000 and over	25,000 but under 100,000	100,000 and over	
Assemblers, class A	\$1.03	\$1.08	\$1.13	\$0.95	\$0.95	\$1.05	\$1.09	\$0.96	\$1.10	\$1.19	\$1.24	
Assemblers, class B	.89	.99	1.07	.83	.86	.89	.84	.83	.88	1.05	1.08	
Assemblers, class C	.79	.88	.96	.71	.78	.71	.65	.67	.76	.92	.98	
Carpenters, maintenance	.97	.99	1.10	(³)	.91	.99	.95	.97	.95	1.33	1.23	
Chippers and grinders	.80	.96	1.00	.70	.82	.91	.68	.62	.76	1.02	1.04	
Drill-press operators, single- and multiple-spindle, class A	1.21	1.09	1.15	.75	(³)	.96	-----	-----	.91	1.08	1.15	
Drill-press operators, single- and multiple-spindle, class B	.92	1.00	1.06	.71	.91	.82	.68	(³)	.85	1.06	.99	
Drill-press operators, single- and multiple-spindle, class C	.87	.89	1.00	.65	.78	.75	.85	(³)	.66	(³)	.97	
Engine-lathe operators, class A	1.05	1.12	1.21	.97	1.04	1.09	-----	1.03	1.22	1.25	1.28	
Engine-lathe operators, class B	1.04	1.05	1.09	.85	.90	.90	(³)	.87	.97	1.10	1.18	
Engine-lathe operators, class C	.77	.98	.96	.72	.85	.96	(³)	(³)	.76	-----	1.04	
Grinding-machine operators, class A	1.10	1.19	1.24	.96	1.05	1.08	(³)	1.09	1.17	1.27	1.27	
Grinding-machine operators, class B	1.17	1.17	1.23	.86	.89	1.02	-----	(³)	1.09	1.12	1.17	
Grinding-machine operators, class C	.85	.86	1.21	(³)	.84	.88	(³)	-----	1.03	-----	.97	
Inspectors, class A	1.05	1.07	1.21	.97	1.03	1.11	1.13	(³)	1.27	1.30	1.26	
Inspectors, class B	.98	1.00	1.08	(³)	.90	1.03	.91	(³)	1.01	(³)	1.06	
Inspectors, class C	.81	.81	.92	(³)	.79	.75	(³)	-----	1.03	-----	.96	
Janitors	.68	.71	.78	.63	.68	.69	.62	.54	.62	.86	.86	
Machinists, maintenance	1.08	1.07	1.23	1.00	1.06	1.16	1.03	(³)	1.35	1.39	1.35	
Machinists, production	1.07	1.16	1.24	.95	1.04	1.17	1.00	1.17	1.29	1.26	1.34	
Machine-tool operators, miscellaneous machines	.98	.95	1.14	(³)	.97	1.00	.92	.91	1.12	1.13	1.21	
Maintenance men, general utility	.96	.94	1.03	.90	.82	.90	(³)	(³)	.90	1.08	1.19	
Milling-machine operators, class A	1.11	1.11	1.22	.92	1.04	1.11	-----	-----	1.15	1.27	1.27	
Milling-machine operators, class B	.98	1.03	1.15	.85	.89	.94	-----	.85	.94	1.11	1.15	
Milling-machine operators, class C	.78	1.07	1.05	.76	.77	.97	(³)	(³)	.77	-----	1.08	
Stock clerks	.83	.82	.89	.83	.78	.81	.82	.72	.84	.97	.98	
Tool-and-die makers	1.14	1.20	1.35	1.04	1.11	1.27	(³)	1.33	1.37	1.47	1.45	
Truckers, hand	.72	.78	.83	.62	.72	.73	.55	-----	.64	(³)	.98	
Turret-lathe operators, hand (including hand-screw machines), class A	1.19	1.14	1.21	.90	1.09	1.12	(³)	(³)	1.13	1.23	1.29	
Turret-lathe operators, hand (including hand-screw machines), class B	.93	1.06	1.12	.90	.92	.99	.88	.81	.98	.99	1.14	
Turret-lathe operators, hand (including hand-screw machines), class C	.74	.87	1.01	.67	.84	.87	(³)	(³)	.83	(³)	1.00	
Watchmen	.64	.71	.74	.50	.61	.62	.45	.50	.54	.50	.77	
Welders, hand, class A	1.02	1.07	1.23	.98	.99	1.04	1.06	1.10	1.27	1.24	1.29	
Welders, hand, class B	.94	1.02	1.15	.81	.81	.90	.87	.81	1.11	1.24	1.25	

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ The number of establishments studied in communities of less than 25,000 was too small to warrant separate presentation.⁴ Insufficient number of workers to justify presentation of an average.

TABLE 50.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machinery establishments, United States and selected regions, by unionization, January 1945

Occupation and grade	United States *				Average hourly rates in—											
	Union establishments		Nonunion establishments		New England		Middle Atlantic		Great Lakes		Middle West		Southwest		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments
Assemblers, class A.....	15,014	\$1.13	6,023	\$1.11	\$1.07	\$0.99	\$1.13	\$1.17	\$1.14	\$1.14	\$1.02	\$0.79	\$1.08	\$1.07	\$1.24	\$1.16
Assemblers, class B.....	20,407	1.02	10,030	.97	1.10	.89	1.00	.95	1.04	1.02	.88	.79	.97	.82	1.10	1.01
Assemblers, class C.....	11,645	.92	4,813	.77	.90	.77	.90	.76	.96	.79	.76	.65	.78	.70	.98	.96
Carpenters, maintenance.....	2,076	1.03	900	.97	.97	.95	1.00	.89	1.06	1.07	.94	.99	1.21	.89	1.25	1.23
Chippers and grinders.....	8,660	.94	2,450	.81	.94	.81	.94	.81	.97	.88	.84	.74	.73	.68	1.05	1.00
Crane operators, electric bridge.....	5,127	.92	754	.95	.86	.95	.92	1.02	.92	.91	.91	.76	.98	.81	1.15	1.15
Drill-press operators, radial, class A.....	3,236	1.14	844	1.05	1.13	.99	1.09	1.11	1.21	1.06	1.00	.82	1.01	1.01	1.16	1.10
Drill-press operators, radial, class B.....	3,919	1.01	1,335	.96	.97	.87	.99	.92	1.02	1.00	.89	.83	1.00	.79	1.16	1.09
Drill-press operators, radial, class C.....	1,524	.94	394	.81	.81	.75	.94	.91	.95	.78	.83	-----	(²)	.68	.98	1.06
Drill-press operators, single- and multiple-spindle, class A.....	1,524	1.11	1,005	1.10	1.15	.92	1.05	1.21	1.15	1.13	.92	.85	(²)	.91	1.17	1.08
Drill-press operators, single- and multiple-spindle, class B.....	4,936	1.03	2,532	.93	.98	.84	1.06	.92	1.04	.98	.88	.78	.83	.81	1.00	1.00
Drill-press operators, single- and multiple-spindle, class C.....	4,175	.96	2,746	.78	.89	.77	.90	.75	1.02	.82	.77	.66	(²)	.71	.96	.97
Electricians, maintenance.....	3,237	1.10	775	1.09	1.06	1.10	1.07	1.08	1.11	1.10	.99	(²)	1.35	1.05	1.35	1.23
Engine-lathe operators, class A.....	8,565	1.18	5,221	1.14	1.13	.98	1.17	1.20	1.18	1.16	1.05	1.07	1.26	1.10	1.29	1.25
Engine-lathe operators, class B.....	5,995	1.07	5,030	.99	.94	.88	1.04	1.02	1.12	1.00	.89	.84	1.05	.88	1.22	1.15
Engine-lathe operators, class C.....	2,192	.94	1,942	.86	.85	.76	.86	.91	.98	.87	.90	.68	(²)	.77	1.23	1.00
Grinding-machine operators, class A.....	4,005	1.18	2,073	1.22	1.19	1.04	1.17	1.33	1.19	1.26	1.06	-----	1.19	1.05	1.28	1.25
Grinding-machine operators, class B.....	6,655	1.18	2,046	1.09	1.09	.94	1.15	1.07	1.22	1.17	.98	.89	1.12	.75	1.21	1.11
Grinding-machine operators, class C.....	4,912	1.07	782	.86	1.00	.85	1.02	.82	1.20	.91	.86	-----	1.03	(²)	.97	.98
Guards.....	4,762	.84	1,579	.83	.87	.79	.83	.85	.84	.85	.77	-----	.82	.68	.89	.90
Inspectors, class A.....	4,296	1.14	1,642	1.18	1.04	1.07	1.14	1.21	1.14	1.22	1.07	1.01	1.29	1.10	1.30	1.20
Inspectors, class B.....	7,600	1.01	2,006	1.04	.96	.93	.95	1.04	1.05	1.07	1.02	.82	1.20	.86	1.06	1.07
Inspectors, class C.....	4,835	.88	934	.81	.87	.73	.84	.77	.90	.83	.77	(²)	1.08	.78	.98	.95
Janitors.....	8,316	.75	3,470	.71	.78	.68	.74	.71	.76	.75	.70	.60	.62	.59	.86	.85
Machinists, maintenance.....	3,247	1.18	1,059	1.11	1.20	1.02	1.12	1.12	1.19	1.17	1.13	1.08	1.34	1.08	1.36	1.35
Machinists, production.....	7,075	1.22	5,965	1.15	1.03	1.02	1.20	1.15	1.20	1.20	1.14	.94	1.31	1.10	1.33	1.31
Machine-tool operators, miscellaneous machines.....	3,127	1.05	6,676	1.02	.93	.89	1.02	.96	1.05	1.09	1.03	.92	1.17	.99	1.22	1.19
Maintenance men, general utility.....	1,396	.99	979	.96	.90	.94	1.01	.93	1.01	.95	.89	.85	.98	.92	1.18	1.17
Mechanics, maintenance.....	2,186	1.10	607	1.07	.97	.89	.98	1.16	1.13	1.11	.99	.92	1.29	1.04	1.30	1.13
Milling-machine operators, class A.....	5,328	1.17	2,169	1.16	1.18	.99	1.15	1.22	1.17	1.18	1.08	1.18	1.13	(²)	1.27	1.27
Milling-machine operators, class B.....	4,818	1.08	2,599	.99	.98	.87	1.04	.94	1.13	1.04	.91	.89	.96	.89	1.13	1.15
Milling-machine operators, class C.....	2,322	1.02	1,408	.85	.92	.78	.88	.89	1.09	.87	.95	.70	.80	.70	1.15	1.00
Millwrights.....	2,353	1.07	471	1.02	1.00	.94	1.05	1.03	1.09	1.06	.94	-----	(²)	(²)	1.27	-----
Painters, rough.....	2,655	.95	1,281	.84	.90	.84	.91	.85	.98	.85	.87	.72	1.11	.80	1.06	.96
Set-up men, machine tools.....	5,784	1.19	2,322	1.14	1.12	1.01	1.14	1.09	1.24	1.23	1.13	.94	1.44	1.10	1.36	1.33
Stock clerks.....	7,173	.85	2,586	.86	.85	.78	.82	.91	.86	.88	.80	.74	.89	.77	.98	.97
Tool-and-die makers.....	7,835	1.28	4,448	1.31	1.29	1.18	1.24	1.35	1.28	1.31	1.19	1.19	1.42	1.30	1.47	1.43
Truck drivers.....	2,310	.89	1,201	.83	.89	.84	.87	.81	.91	.89	.80	.74	.75	.73	1.02	.97
Truckers, hand.....	9,196	.79	1,936	.76	.83	.75	.75	.75	.81	.81	.72	.59	(²)	.68	.94	1.01
Turret-lathe operators, hand (including hand-screw machine), class A.....	8,123	1.18	3,127	1.16	1.11	1.03	1.19	1.19	1.19	1.19	1.08	1.06	1.21	1.06	1.28	1.30
Turret-lathe operators, hand (including hand-screw machine), class B.....	7,816	1.08	3,653	.99	1.03	.90	1.05	.96	1.12	1.02	.95	(²)	1.08	.89	1.14	1.13
Turret-lathe operators, hand (including hand-screw machine), class C.....	3,155	.96	1,720	.80	.95	.76	.94	.79	.99	.83	.85	.68	1.01	.75	1.01	1.00
Welders, hand, class A.....	7,796	1.17	2,588	1.17	1.20	1.06	1.22	1.11	1.17	1.18	1.01	.99	1.30	1.12	1.28	1.27
Welders, hand, class B.....	4,221	1.12	1,910	.95	1.11	.96	1.07	.99	1.16	.96	.87	.80	1.16	.89	1.25	1.20

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 51.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machinery establishments, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Assemblers, class A.....	16,405	\$1.11	4,632	\$1.18	\$1.00	\$1.07	\$1.13	\$1.19	\$1.11	\$1.21
Assemblers, class B.....	19,584	.94	10,853	1.13	.87	1.15	.94	1.06	.95	1.16
Assemblers, class C.....	10,968	.78	5,490	1.06	.77	.96	.79	1.00	.79	1.09
Chippers and grinders.....	7,248	.82	3,862	1.08	.80	1.07	.81	1.06	.86	1.12
Drill-press operators, radial, class A.....	2,686	1.06	1,394	1.24	.98	1.15	1.05	1.15	1.07	1.33
Drill-press operators, radial, class B.....	3,453	.94	1,801	1.11	.85	1.08	.93	1.06	.94	1.13
Drill-press operators, single- and multiple-spindle, class A.....	1,564	1.06	965	1.18	.95	1.07	1.14	1.14	1.05	1.23
Drill-press operators, single- and multiple-spindle, class B.....	4,344	.90	3,124	1.12	.84	.95	.91	1.13	.92	1.15
Drill-press operators, single- and multiple-spindle, class C.....	4,151	.79	2,770	1.03	.71	.87	.79	.93	.81	1.10
Engine-lathe operators, class A.....	10,741	1.14	3,045	1.23	.98	1.08	1.15	1.28	1.14	1.24
Engine-lathe operators, class B.....	7,541	.97	3,484	1.17	.87	.98	.96	1.17	.98	1.21
Engine-lathe operators, class C.....	2,532	.81	1,602	1.04	.74	.90	.79	1.02	.84	1.06
Grinding-machine operators, class A.....	4,192	1.15	1,886	1.30	.103	1.22	1.18	1.34	1.16	1.33
Grinding-machine operators, class B.....	4,334	1.07	4,367	1.25	.90	1.14	.96	1.24	1.14	1.30
Grinding-machine operators, class C.....	2,645	.91	3,049	1.16	.96	1.03	.81	1.07	.94	1.26
Milling-machine operators, class A.....	5,507	1.14	1,990	1.24	1.00	1.16	1.17	1.21	1.12	1.29
Milling-machine operators, class B.....	4,528	.97	2,889	1.16	.86	1.00	.94	1.12	1.00	1.23
Milling-machine operators, class C.....	1,757	.82	1,973	1.08	.78	.86	.80	.98	.84	1.18
Turret-lathe operators, hand (including hand-screw machine), class A.....	6,993	1.13	4,262	1.25	1.01	1.12	1.14	1.25	1.12	1.29
Turret-lathe operators, hand (including hand-screw machine), class B.....	6,441	.97	5,028	1.15	.87	1.06	.97	1.09	.98	1.20
Turret-lathe operators, hand (including hand-screw machine), class C.....	2,578	.85	1,997	.98	.74	.96	.89	.91	.88	1.04
Welders, hand, class A.....	7,444	1.13	2,940	1.28	1.10	1.19	1.12	1.31	1.10	1.28
Welders, hand, class B.....	3,712	.95	2,419	1.26	.89	1.24	.96	1.17	.94	1.29
<i>Women</i>										
Assemblers, class C.....	8,147	.72	6,649	.92	.69	.78	.71	.84	.73	.99
Drill-press operators, single- and multiple-spindle, class C.....	3,919	.72	3,249	.94	.68	.76	.67	.83	.77	1.08
Grinding-machine operators, class C.....	2,044	.90	1,408	.96	.91	.86	.75	.90	.97	1.02
Milling-machine operators, class C.....	1,193	.80	1,203	.96	.78	.80	.79	.99	.83	.98

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.

TABLE 52.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Machinery establishments, by wage area, January 1945

Occupation, grade, and sex	Balti- more, Md.	Bir- ming- ham, Ala.	Bos- ton, Mass.	Bu- falo, N. Y.	Can- ton, Ohio	Chi- cago, Ill.	Cleve- land, Ohio	Den- ver, Colo.	De- troit, Mich.	Hous- ton, Tex.	Los An- geles, Calif.	Louis- ville, Ky.	Mil- wau- kee, Wis.	Min- nea- polis, Minn.
<i>Men</i>														
Assemblers, class A	\$1.03	\$1.10	\$1.03	\$1.14	\$1.17	\$1.18	\$1.18	\$1.25	\$1.38	\$1.13	\$1.18	\$1.06	\$1.20	\$1.07
Assemblers, class B	.84	.90	.91	1.00	1.40	1.03	1.14	.95	1.29	.93	.99	.84	1.05	.97
Assemblers, class C	.71	(?)	.74	.87	.85	.91	1.02	.79	1.16	.83	.94	.74	1.04	.81
Carpenters, maintenance	.87	.90	.98	1.05	(?)	1.06	1.21	(?)	1.19	1.28	1.16	(?)	1.13	.98
Chippers and grinders	.72	.63	.82	1.04	1.11	.99	1.08	.87	1.07	.77	.89	(?)	.90	.96
Crane operators, electric bridge	-----	.78	.88	1.00	.99	.93	1.02	.84	1.13	1.07	1.13	(?)	.87	.91
Drill-press operators, radial, class A	1.02	(?)	1.12	1.08	1.12	1.20	1.19	1.06	-----	1.08	1.12	(?)	1.18	1.16
Drill-press operators, radial, class B	.90	(?)	.97	.99	1.24	1.02	1.04	.82	1.22	1.01	1.04	(?)	1.03	1.03
Drill-press operators, radial, class C	(?)	(?)	.87	.96	(?)	1.03	(?)	-----	(?)	-----	-----	(?)	1.00	(?)
Drill-press operators, single- and multiple-spindle, class A	.96	(?)	1.08	(?)	(?)	1.12	1.21	1.08	1.22	(?)	1.13	(?)	1.08	1.15
Drill-press operators, single- and multiple-spindle, class B	.85	-----	.90	.85	1.43	1.02	1.26	.91	1.19	.88	.95	.88	.94	.95
Drill-press operators, single- and multiple-spindle, class C	.67	-----	.72	.75	(?)	.94	1.15	(?)	1.08	.63	.99	.69	.99	.65
Electricians, maintenance	.99	1.08	1.11	1.11	1.11	1.14	1.20	1.05	1.29	1.36	1.32	1.18	1.09	1.08
Engine-lathe operators, class A	1.17	1.09	1.12	1.15	1.54	1.21	1.26	1.09	1.49	1.26	1.27	1.09	1.16	1.12
Engine-lathe operators, class B	.91	(?)	.94	1.02	1.29	1.07	1.21	.88	1.30	1.06	1.15	.86	1.03	1.00
Engine-lathe operators, class C	.88	(?)	.76	.87	(?)	.97	1.16	(?)	1.08	(?)	.97	.69	.93	(?)
Grinding-machine operators, class A	1.01	(?)	1.11	1.10	-----	1.20	1.28	1.18	1.55	1.19	1.24	(?)	1.21	1.19
Grinding-machine operators, class B	(?)	(?)	.95	.98	1.72	1.08	1.22	.87	1.27	1.14	1.16	-----	1.19	1.05
Grinding-machine operators, class C	.65	-----	.80	.94	1.46	1.01	(?)	-----	1.09	1.04	.98	.68	.94	(?)
Guards	.80	.66	.79	.84	.89	.82	.93	.60	1.05	.81	.90	.67	.78	.80
Inspectors, class A	1.05	(?)	1.11	1.13	1.14	1.23	1.23	1.05	1.35	1.30	1.22	1.10	1.12	(?)
Inspectors, class B	.94	(?)	1.00	.98	1.14	1.07	1.10	.92	1.22	1.24	1.00	.84	.99	1.03
Inspectors, class C	.72	(?)	.80	.92	.82	.94	.95	.78	1.07	1.09	.95	(?)	.92	.85
Janitors	.63	.52	.71	.75	.80	.74	.82	.65	.91	.62	.83	.57	.74	.72
Machinists, maintenance	1.12	1.15	1.09	1.08	1.26	1.25	1.27	1.05	1.40	1.37	1.33	-----	1.02	1.16
Machinists, production	1.12	1.15	1.13	1.18	1.18	1.26	1.25	1.05	1.49	1.34	1.33	1.14	1.12	1.13
Milling-machine operators, class A	1.10	(?)	1.17	1.13	(?)	1.21	1.26	1.24	1.48	1.14	1.25	(?)	1.30	1.20
Milling-machine operators, class B	.83	(?)	.96	1.05	1.43	1.06	1.22	.96	1.28	.96	1.16	(?)	1.12	1.15
Milling-machine operators, class C	(?)	(?)	.75	.92	-----	1.02	1.07	(?)	1.10	.80	1.09	(?)	1.13	(?)
Millwrights	.99	(?)	.98	1.11	1.13	1.11	1.19	-----	1.23	(?)	-----	-----	1.06	1.09
Painters, rough	(?)	(?)	.90	.96	.99	.87	1.11	.75	1.29	1.11	(?)	.91	1.00	.90
Screw-machine operators, automatic, class A	1.09	(?)	1.24	(?)	(?)	1.27	1.33	(?)	1.41	(?)	1.33	(?)	1.24	(?)
Screw-machine operators, automatic, class B	.85	(?)	.95	(?)	(?)	1.08	1.24	(?)	1.29	1.13	(?)	(?)	1.16	(?)
Screw-machine operators, automatic, class C	(?)	(?)	.80	(?)	1.17	1.09	(?)	(?)	1.19	(?)	(?)	(?)	1.07	(?)
Set-up men, machine tools	1.19	1.01	1.15	(?)	1.27	1.22	1.41	(?)	1.42	1.47	1.34	(?)	1.12	(?)
Stock clerks	.74	(?)	.81	.93	.90	.86	.97	.78	1.09	.89	.95	.79	.85	.84
Tool-and-die makers	1.20	(?)	1.19	1.23	1.20	1.38	1.39	1.17	1.52	1.41	1.43	1.28	1.21	1.30
Truck drivers	.82	.62	.85	.91	.99	.96	.98	.73	1.08	.82	.96	.75	.88	.88
Truckers, hand	.65	.61	.73	.76	.87	.80	.83	(?)	.93	.64	1.00	(?)	.76	.76
Truckers, power	(?)	(?)	.83	.79	.86	.89	1.06	(?)	1.03	.74	(?)	-----	.80	.83
Turret-lathe operators, hand (including hand-screw machine), class A	1.08	-----	1.15	1.09	1.27	1.21	1.24	(?)	1.46	1.19	1.29	(?)	1.21	1.16
Turret-lathe operators, hand (including hand-screw machine), class B	.88	(?)	.95	1.02	1.23	1.12	1.21	.82	1.31	1.02	1.14	.85	1.06	.99
Turret-lathe operators, hand (including hand-screw machine), class C	.70	-----	.82	.88	1.09	.96	1.17	-----	1.17	.87	1.01	.66	.94	.76
Watchmen	.68	(?)	.69	.67	(?)	.69	(?)	.60	.96	.56	(?)	.54	.77	(?)
Welders, hand, class A	1.15	1.12	1.13	1.19	1.25	1.23	1.26	1.16	1.51	1.33	1.29	1.17	1.21	1.15
Welders, hand, class B	1.11	.84	.97	1.06	1.12	1.13	1.27	.86	1.49	1.23	1.24	1.01	1.05	1.00
<i>Women</i>														
Assemblers, class C	.70	-----	.67	.80	.68	.70	1.10	-----	.95	.91	.79	.61	.98	.69
Drill-press operators, single- and multiple-spindle, class C	.63	-----	.71	.77	(?)	.82	1.08	.66	1.03	.56	.81	.57	1.08	.67
Engine-lathe operators, class C	.73	-----	.66	(?)	-----	.89	.96	(?)	.74	(?)	(?)	(?)	.78	.74
Grinding-machine operators, class C	.71	-----	.78	(?)	1.07	.87	1.02	-----	1.11	(?)	(?)	(?)	.96	(?)
Inspectors, class B	.75	-----	.71	(?)	.87	.92	(?)	(?)	1.19	1.13	.95	-----	-----	(?)
Inspectors, class C	.62	.75	.69	.70	.72	.82	.93	(?)	.98	.83	.86	(?)	.68	.73
Milling-machine operators, class C	.70	-----	(?)	(?)	-----	.98	.88	-----	1.08	.75	(?)	-----	.99	(?)
Stock clerks	(?)	-----	.71	(?)	.79	.79	.88	-----	1.00	(?)	(?)	(?)	.71	(?)
Turret-lathe operators, hand (including hand-screw machine), class C	.73	-----	.76	(?)	-----	.94	.98	(?)	(?)	.85	.91	(?)	.94	(?)

See footnotes at end of table.

TABLE 52.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machinery establishments, by wage area, January 1945—Continued

Occupation, grade, and sex	Newark, N. J.	New York, N. Y.	Peoria, Ill.	Philadelphia, Pa.	Providence, R. I.	San Francisco, Calif.	Seattle, Wash.	South Bend, Ind.	Springfield, Mass.	St. Louis, Mo.	Syracuse, N. Y.	Toledo, Ohio	Tulsa, Okla.	Waterbury, Conn.
<i>Men</i>														
Assemblers, class A.....	\$1.20	\$1.17	\$1.03	\$1.12	\$0.97	\$1.29	\$1.27	\$1.18	\$1.17	\$1.07	\$1.12	\$1.21	\$1.05	\$1.08
Assemblers, class B.....	1.05	.97	.98	1.01	.89	1.08	1.23	1.04	1.04	.88	1.02	1.10	.85	.98
Assemblers, class C.....	.94	.78	.93	.91	.77	.96	1.16	1.09	.89	.72	.94	1.26	.74	1.01
Carpenters, maintenance.....	.98	1.09	1.11	1.04	.92	(²)	1.28	1.00	1.03	.99	.97	(²)	(²)	1.04
Chippers and grinders.....	.95	.91	.90	1.00	.78	1.08	1.08	1.09	.94	.97	.83	1.00	.74	.85
Crane operators, electric bridge.....	.84	.93	.92	1.01	(²)	1.11	(²)	.90	.78	.94	(²)	.99	(²)	.97
Drill-press operators, radial, class A.....	(²)	1.12	(²)	1.19	(²)	1.21	(²)	1.17	1.16	1.05	1.20	1.12	.95	1.11
Drill-press operators, radial, class B.....	1.11	.97	.97	1.04	(²)	1.20	1.18	1.24	1.01	(²)	(²)	1.03	.84	.94
Drill-press operators, radial, class C.....	.97	.99	.97	.97	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Drill-press operators, single- and multiple-spindle, class A.....	(²)	1.07	1.02	1.10	1.05	(²)	(²)	(²)	1.06	1.03	(²)	(²)	.90	(²)
Drill-press operators, single- and multiple-spindle, class B.....	1.07	.95	.96	1.11	.85	(²)	1.07	1.01	1.00	.82	1.10	1.23	.80	1.06
Drill-press operators, single- and multiple-spindle, class C.....	.97	.76	.96	.80	.86	.96	(²)	1.00	(²)	.78	.77	(²)	.66	.91
Electricians, maintenance.....	1.11	1.09	1.13	1.11	1.02	1.34	(²)	1.18	1.06	1.00	1.02	1.23	1.12	1.12
Engine-lathe operators, class A.....	1.19	1.24	1.13	1.20	1.04	1.32	1.29	1.20	1.23	1.11	1.17	1.20	1.18	1.05
Engine-lathe operators, class B.....	1.01	1.01	1.04	1.07	.92	(²)	1.34	1.28	1.02	.88	.86	1.10	.95	.96
Engine-lathe operators, class C.....	.78	.84	(²)	.84	.79	(²)	(²)	(²)	.86	.98	(²)	(²)	(²)	.83
Grinding-machine operators, class A.....	1.27	1.25	1.11	1.16	1.10	1.35	1.30	1.25	1.24	1.08	1.36	1.18	(²)	1.09
Grinding-machine operators, class B.....	1.01	1.02	.99	1.25	1.01	(²)	(²)	1.68	1.03	1.02	1.20	1.24	(²)	1.14
Grinding-machine operators, class C.....	.88	.91	.98	1.10	.91	(²)	(²)	1.54	.92	.88	(²)	1.24	(²)	.99
Guards.....	.91	.84	.88	.75	.73	.92	.93	.86	.81	.79	.90	.90	.72	.95
Inspectors, class A.....	1.13	1.18	1.14	1.14	1.03	1.29	1.40	1.29	1.15	1.13	.96	1.23	(²)	1.12
Inspectors, class B.....	1.00	.98	1.06	.95	.89	(²)	(²)	1.01	.97	1.07	.91	1.12	.86	.97
Inspectors, class C.....	.91	.87	.85	.82	.77	(²)	(²)	.97	.81	.73	.76	(²)	(²)	.89
Janitors.....	.75	.77	.74	.68	.67	.92	.90	.81	.85	.69	.68	.85	.63	.82
Machinists, maintenance.....	1.07	1.23	(²)	1.21	1.07	1.38	(²)	1.25	1.17	1.16	1.06	1.24	(²)	1.26
Machinists, production.....	1.20	1.23	(²)	1.24	1.03	1.39	1.42	(²)	.87	1.17	(²)	1.35	1.20	1.09
Milling-machine operators, class A.....	1.19	1.21	1.10	1.22	1.06	1.33	1.30	1.20	1.22	1.12	1.18	1.21	(²)	1.09
Milling-machine operators, class B.....	1.04	1.09	1.03	1.02	.89	1.10	(²)	1.23	1.07	.95	1.07	1.17	.91	1.02
Milling-machine operators, class C.....	.95	.80	.93	.82	.87	(²)	(²)	1.05	.86	.97	.88	(²)	(²)	.85
Millwrights.....	(²)	1.12	1.13	1.08	.99	(²)	(²)	1.10	.99	1.03	1.00	1.23	(²)	1.05
Painters, rough.....	(²)	.91	.97	.85	(²)	(²)	(²)	1.06	.86	.87	1.03	1.10	.77	.87
Screw-machine operators, automatic, class A.....	1.22	1.37	1.13	1.32	1.01	(²)	(²)	(²)	1.22	(²)	1.04	1.37	(²)	1.15
Screw-machine operators, automatic, class B.....	(²)	.97	1.09	1.17	1.00	(²)	(²)	(²)	1.12	.98	1.08	(²)	(²)	1.09
Screw-machine operators, automatic, class C.....	.97	(²)	(²)	.82	(²)	(²)	(²)	(²)	(²)	.81	.93	(²)	(²)	.93
Set-up men, machine tools.....	1.25	1.29	1.10	1.14	1.12	1.36	(²)	(²)	1.26	1.15	1.06	1.36	(²)	1.10
Stock clerks.....	.78	.88	.87	.83	.77	1.01	(²)	.84	.83	.81	.85	.85	.80	.91
Tool-and-die makers.....	1.16	1.46	1.29	1.31	1.21	1.55	1.45	1.27	1.23	1.39	1.19	1.39	1.34	1.37
Truck drivers.....	.94	.93	.89	.89	.82	1.11	(²)	.84	.90	.82	.84	1.01	(²)	.99
Truckers, hand.....	.83	.78	.77	.75	.70	(²)	(²)	.86	.88	.72	.73	.89	(²)	.84
Truckers, power.....	.82	.89	.83	.82	(²)	(²)	(²)	.86	.78	.83	.83	.94	(²)	.92
Turret-lathe operators, hand (including hand-screw machine), class A.....	1.26	1.20	1.10	1.34	1.04	1.29	(²)	1.23	1.24	1.15	1.18	1.15	1.03	1.11
Turret-lathe operators, hand (including hand-screw machine), class B.....	1.10	.98	1.01	1.02	.97	1.15	1.17	1.34	1.00	1.01	.98	1.11	.94	1.07
Turret-lathe operators, hand (including hand-screw machine), class C.....	.97	.85	1.05	.97	.94	(²)	(²)	1.22	.87	.84	.82	(²)	.77	(²)
Watchmen.....	.72	.70	(²)	.64	.71	(²)	(²)	.72	.66	.62	.69	.81	(²)	.71
Welders, hand, class A.....	1.33	1.18	1.15	1.26	1.20	1.31	1.34	1.13	1.22	1.08	1.24	1.21	1.20	1.09
Welders, hand, class B.....	1.11	1.01	1.03	1.18	.95	1.26	(²)	1.16	.99	.88	1.19	(²)	1.05	.78
<i>Women</i>														
Assemblers, class C.....	.80	.70	.80	.87	.67	.87	(²)	1.13	.81	.71	.75	.97	(²)	.78
Drill-press operators, single- and multiple-spindle, class C.....	.83	.63	.81	.87	.73	.86	(²)	1.04	.85	.75	.74	(²)	(²)	.83
Engine-lathe operators, class C.....	.86	(²)	(²)	.82	(²)	(²)	(²)	(²)	.89	.82	(²)	(²)	(²)	(²)
Grinding-machine operators, class C.....	.79	.84	.91	.89	(²)	.95	(²)	1.08	.87	.88	.82	.83	(²)	.93
Inspectors, class B.....	(²)	.91	.95	.81	.78	(²)	(²)	(²)	.88	(²)	(²)	(²)	.81	.97
Inspectors, class C.....	.77	.80	.81	.77	.69	.83	(²)	.85	.78	.70	.69	.84	(²)	.76
Milling-machine operators, class C.....	(²)	.78	.85	.79	.89	(²)	(²)	(²)	.90	.82	(²)	(²)	(²)	.89
Stock clerks.....	(²)	.76	.80	.79	.71	.92	(²)	(²)	.89	.60	.75	(²)	(²)	.82
Turret-lathe operators, hand (including hand-screw machine), class C.....	(²)	.86	.94	.81	.83	.94	(²)	(²)	.84	.83	(²)	(²)	(²)	(²)

Excludes premium pay for overtime and night work.

² Insufficient number of workers to justify presentation of an average.

Machine-Tool Accessories

The machine-tool accessory industry, as defined for purposes of this study, includes establishments primarily engaged in the manufacture of attachments and accessories for machine tools and other metalworking machinery, small power-driven cutting and shaping tools, and precision measuring tools. Among the products of these establishments are cutting tools (including drills, tool bits for lathes, milling cutters, and reamers); machine-tool attachments such as collars and arbors for holding cutting tools; attachments for other metalworking machinery, such as dies for die casting and drop forging machines, and forming and shaping tools for sheet-metal machines; jigs, fixtures, and other attachments for holding work that is being machined or otherwise worked; and such precision measuring instruments as micrometers and gages used in measurement of metalworking products.

The scope of the survey corresponds to that of Industry Group 3543 of the Industrial Classification Manual (1941 edition) issued by the Bureau of the Budget.

Two major types of establishments are covered in this study: (a) Machine-tool accessory production shops that manufacture more or less standardized accessories normally produced in large quantities to stock and (b) tool-and-die jobbing shops that are engaged primarily in the production of nonstandard machine-tool accessories on a jobbing basis to meet special orders. Production shops are engaged mainly in the manufacture of precision measuring instruments, cutting tools, and collars and arbors for holding such tools. Jobbing shops produce a larger proportion of the dies for forging and die casting machines, shaping tools for sheet-metal machines, and jigs and fixtures.

TABLE 53.—Percentage distribution of plant workers in Machine-Tool Accessory establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States	New England	Middle Atlantic	Border States	Southeast	Great Lakes	Middle West	Southwest	Pacific
Under 50.0 cents.....	0.2	0.3	0.4	0.7	4.4	0.1	0.7	2.5	-----
50.0-54.9 cents.....	.5	1.0	1.1	.5	3.3	.3	1.1	-----	-----
55.0-59.9 cents.....	.8	1.5	2.3	.5	1.1	.1	2.5	-----	-----
60.0-64.9 cents.....	2.1	4.5	2.3	8.5	10.1	1.2	4.1	2.5	0.3
65.0-69.9 cents.....	2.6	5.0	4.1	5.3	7.8	1.3	9.0	.8	1.3
70.0-74.9 cents.....	4.6	6.3	12.3	11.0	2.2	2.2	5.7	.8	1.9
75.0-79.9 cents.....	5.1	8.0	6.0	15.1	8.9	3.6	10.2	6.6	5.3
80.0-84.9 cents.....	4.9	7.9	4.8	4.1	6.7	3.6	8.7	5.8	7.0
85.0-89.9 cents.....	4.2	6.9	4.4	4.1	2.2	3.3	4.4	4.1	4.5
90.0-94.9 cents.....	5.5	7.9	4.4	3.0	6.7	4.7	8.1	4.1	8.5
95.0-99.9 cents.....	4.4	7.4	3.9	4.4	2.2	3.6	3.0	3.3	3.8
100.0-104.9 cents.....	6.0	6.9	6.1	7.3	12.3	5.5	12.1	3.3	5.7
105.0-109.9 cents.....	4.5	4.5	3.7	5.5	2.2	4.8	2.2	2.5	1.2
110.0-114.9 cents.....	5.5	4.5	5.2	8.5	8.9	6.0	3.5	4.1	3.1
115.0-119.9 cents.....	3.9	3.2	3.0	3.7	2.2	4.4	2.1	9.9	2.4
120.0-124.9 cents.....	4.4	3.1	3.4	2.5	3.3	5.2	1.8	5.8	3.0
125.0-129.9 cents.....	4.7	3.5	4.1	3.4	4.4	5.1	8.0	5.0	8.6
130.0-134.9 cents.....	3.4	2.3	4.1	2.8	-----	3.7	.3	9.9	3.1
135.0-139.9 cents.....	3.6	2.5	4.0	3.9	3.3	4.0	2.4	7.4	3.2
140.0-144.9 cents.....	3.6	2.1	2.4	1.8	7.8	4.5	1.4	12.4	4.2
145.0-149.9 cents.....	2.4	1.5	2.7	1.8	-----	2.8	.1	2.5	2.5
150.0-159.9 cents.....	6.3	3.3	5.3	1.4	-----	7.3	6.0	5.0	12.1
160.0-169.9 cents.....	5.8	2.7	3.6	.2	-----	7.4	2.2	1.7	8.3
170.0-179.9 cents.....	4.8	1.5	2.7	-----	-----	6.6	.3	-----	7.3
180.0-189.9 cents.....	3.0	.7	1.8	-----	-----	4.2	-----	-----	2.4
190.0-199.9 cents.....	1.7	.3	.8	-----	-----	2.5	-----	-----	1.0
200.0-209.9 cents.....	.8	.3	.7	-----	-----	1.1	.1	-----	.3
210.0-219.9 cents.....	.3	.2	.1	-----	-----	.4	-----	-----	-----
220.0-229.9 cents.....	.2	.1	.1	-----	-----	.3	-----	-----	-----
230.0 cents and over.....	.2	.1	.2	-----	-----	.2	-----	-----	-----
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	107,900	22,310	15,890	350	90	64,495	1,510	110	3,145
Average hourly earnings ¹	\$1.19	\$1.01	\$1.08	\$0.94	\$0.92	\$1.28	\$0.96	\$1.14	\$1.25

¹ Excludes premium pay for overtime and night work.

TABLE 54.—Percentage distribution of plant workers in Machine-Tool Accessory Production establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States			All workers in—					
	All workers	Men	Women	New England	Middle Atlantic ²	Great Lakes	Middle West	Southwest	Pacific
Under 50.0 cents	0.1	0.1	0.2	0.2	0.2	0.1	1.3	2.5	
50.0-54.9 cents	.4	.2	1.2	.9	.7	.1	.9		
55.0-59.9 cents	1.0	.3	3.4	1.6	3.5	1.7	7.5		
60.0-64.9 cents	2.8	1.2	8.0	4.8	3.6	1.5	7.3	2.5	
65.0-69.9 cents	3.4	1.9	8.4	5.4	6.5	1.7	6.2	.8	
70.0-74.9 cents	4.8	3.1	10.6	7.2	7.3	3.0	9.3	.8	
75.0-79.9 cents	6.7	5.0	12.1	9.0	8.8	4.9	17.3	6.6	
80.0-84.9 cents	6.5	5.4	10.3	8.6	7.0	5.4	8.2	5.8	
85.0-89.9 cents	5.2	5.2	5.2	6.7	6.4	4.1	8.4	4.1	
90.0-94.9 cents	7.0	6.7	7.9	8.1	4.4	7.1	5.8	4.1	
95.0-99.9 cents	5.7	6.2	4.2	7.2	5.6	5.0	7.1	3.3	1.5
100.0-104.9 cents	6.6	7.0	5.3	6.5	6.3	6.2	6.9	3.3	.4
105.0-109.9 cents	5.5	5.4	5.8	4.2	5.7	6.2	3.3	2.5	
110.0-114.9 cents	6.9	7.1	6.3	4.4	6.4	8.5	3.8	9.9	2.6
115.0-119.9 cents	4.9	4.8	5.3	3.0	2.7	6.5	.4	5.0	
120.0-124.9 cents	5.1	5.6	3.4	2.9	2.7	6.9	4.0	5.8	.7
125.0-129.9 cents	4.8	6.0	.9	2.5	4.0	6.3	1.3	5.0	6.6
130.0-134.9 cents	3.7	4.7		2.2	3.9	4.4	.2	9.9	13.7
135.0-139.9 cents	3.2	4.0	.3	2.0	3.2	3.0	.2	7.4	3.0
140.0-144.9 cents	2.9	3.7	.3	1.7	1.4	3.6		12.4	19.9
145.0-149.9 cents	1.8	2.3	.1	1.3	1.3	2.2	.2	2.5	2.6
150.0-159.9 cents	4.1	5.2	.3	3.0	4.0	4.4		5.0	26.8
160.0-169.9 cents	3.2	4.1	.1	2.5	2.0	3.6	.4	1.7	21.8
170.0-179.9 cents	1.9	2.4		1.9	1.3	2.0			
180.0-189.9 cents	1.2	1.6		.9	.8	1.5			
190.0-199.9 cents	.3	.4		.4	.2	.3			
200.0 cents and over	.3	.4	(?)	.9	.1	.1			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	49,450	37,970	11,480	14,470	6,360	27,790	450	110	270
Average hourly earnings ¹	\$1.08	\$1.14	\$0.86	\$1.00	\$1.00	\$1.14	\$0.83	\$1.14	\$1.46

¹ Excludes premium pay for overtime and night work.

² Includes data for 1 establishment in Border States.

³ Less than 0.05 of 1 percent.

TABLE 55.—Percentage distribution of plant workers in Tool-and-Die Jobbing shops by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States			All workers in—						
	All workers	Men	Women	New England	Middle Atlantic	Border States	Southeast	Great Lakes	Middle West	Pacific
Under 50.0 cents	0.2	0.2	0.3	0.4	0.4	0.9	4.4	0.1	0.5	
50.0-54.9 cents	.7	.6	1.3	1.1	1.4	.6	3.3	.4	1.1	
55.0-59.9 cents	1.5	.3	2.6	1.1	1.4	.6	1.1	.2	.4	
60.0-64.9 cents	1.6	1.0	6.9	4.0	1.4	10.6	10.1	.9	2.7	0.3
65.0-69.9 cents	1.9	1.0	11.5	4.4	2.5	4.9	7.8	1.0	10.2	.3
70.0-74.9 cents	4.4	3.3	17.3	4.7	15.6	11.6	2.2	1.6	4.1	2.1
75.0-79.9 cents	3.7	2.9	12.8	6.4	4.1	15.9	8.9	2.6	7.4	5.8
80.0-84.9 cents	3.5	2.9	10.1	6.6	3.4	4.6	6.7	2.3	8.9	7.7
85.0-89.9 cents	3.4	3.1	6.7	7.3	3.1	2.6	2.2	2.6	2.6	4.9
90.0-94.9 cents	4.2	4.0	6.8	7.9	4.4	2.6	6.7	2.9	9.1	9.3
95.0-99.9 cents	3.4	3.3	4.5	7.8	2.9	2.0	2.2	2.6	1.3	4.0
100.0-104.9 cents	5.5	5.5	5.5	7.7	6.2	5.4	12.3	4.5	14.5	6.2
105.0-109.9 cents	3.6	3.4	5.3	5.1	2.4	5.1	2.2	3.8	1.8	1.3
110.0-114.9 cents	4.2	4.3	3.6	4.8	4.4	9.4	8.9	4.1	3.4	3.1
115.0-119.9 cents	3.0	3.1	1.8	3.4	3.2	3.7	2.2	2.8	2.7	2.6
120.0-124.9 cents	3.7	3.9	1.2	3.5	3.8	2.6	3.3	3.9	.8	3.2
125.0-129.9 cents	4.7	5.1	.3	5.2	4.1	3.1	4.4	4.2	10.9	8.8
130.0-134.9 cents	3.2	3.4	.2	2.5	4.3	2.9	3.4	3.2	.3	2.1
135.0-139.9 cents	4.0	4.3	.6	3.5	4.5	4.6	3.3	4.1	3.3	3.2
140.0-144.9 cents	4.3	4.6	.6	2.8	3.0	2.3	7.8	5.1	2.0	2.7
145.0-149.9 cents	3.0	3.3		1.9	3.7	2.0		3.2		2.5
150.0-159.9 cents	8.2	9.0	.1	3.8	6.2	1.7		9.7	8.6	10.8
160.0-169.9 cents	7.9	8.7		2.9	4.7	.3		10.3	2.9	7.1
170.0-179.9 cents	7.4	8.0		.8	3.5			10.1	.4	8.0
180.0-189.9 cents	4.4	4.9		.2	2.5			6.2		2.6
190.0-199.9 cents	2.9	3.1		.1	1.2			4.1		1.1
200.0-209.9 cents	1.4	1.5		.1	1.1			1.8	.1	.3
210.0-219.9 cents	.5	.6		(?)	.1			.8		
220.0-229.9 cents	.4	.4		(?)	.2			.6		
230.0 cents and over	.3	.3		(?)	.3			.3		
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	58,450	53,555	4,895	7,840	9,530	350	90	36,705	1,060	2,875
Average hourly earnings ¹	\$1.28	\$1.32	\$0.82	\$1.03	\$1.15	\$0.93	\$0.92	\$1.39	\$1.02	\$1.23

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

TABLE 56.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—		
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes
<i>Men</i>					
Assemblers, class A.....	595	\$1.24	\$1.06	\$1.11	\$1.41
Assemblers, class B.....	650	1.02	.90	.94	1.10
Assemblers, class C.....	174	.81	.91	.68	.81
Automatic-lathe operators, class B.....	70	1.12	1.15	.92	(*)
Automatic-lathe operators, class C.....	47	1.00	1.08	(*)	.93
Carpenters, maintenance.....	115	1.18	.88	1.45	1.24
Chippers and grinders.....	202	1.00	.90	1.18	1.05
Drill-press operators, radial, class A.....	78	1.20	(*)	1.18	(*)
Drill-press operators, radial, class B.....	59	.93	(*)		.93
Drill-press operators, single- and multiple-spindle, class A.....	85	1.15	(*)	1.00	1.34
Drill-press operators, single- and multiple-spindle, class B.....	369	1.12	1.20	.84	1.09
Drill-press operators, single- and multiple-spindle, class C.....	259	.91	.98	.75	.96
Electricians, maintenance.....	191	1.30	.96	1.17	1.40
Engine-lathe operators, class A.....	1,015	1.35	1.08	1.26	1.41
Engine-lathe operators, class B.....	924	1.13	1.08	1.04	1.18
Engine-lathe operators, class C.....	453	1.00	1.07	.84	.99
Grinding-machine operators, class A.....	2,926	1.42	1.16	1.31	1.50
Grinding-machine operators, class B.....	3,267	1.16	1.13	1.06	1.18
Grinding-machine operators, class C.....	1,141	1.10	1.28	.85	.99
Guards.....	215	.86	.76	.78	.91
Heat treaters, class A.....	289	1.21	1.04	1.21	1.29
Heat treaters, class B.....	413	1.09	1.13	.93	1.09
Inspectors, class A.....	338	1.31	1.09	1.30	1.53
Inspectors, class B.....	709	1.06	.94	1.04	1.15
Inspectors, class C.....	334	.86	.80	.75	.92
Janitors.....	1,009	.81	.65	.72	.87
Machine-tool operators, miscellaneous machines.....	259	.97	.93	1.02	.86
Machinists, maintenance.....	332	1.21	1.02	1.12	1.35
Machinists, production.....	229	1.19	1.09	1.18	1.26
Maintenance men, general utility.....	220	1.09	.93	1.10	1.18
Mechanics, maintenance.....	284	1.24	1.03	1.02	1.27
Milling-machine operators, class A.....	912	1.34	1.13	1.29	1.40
Milling-machine operators, class B.....	1,109	1.11	1.12	.97	1.12
Milling-machine operators, class C.....	804	1.02	1.08	.68	1.01
Millwrights.....	98	1.11	.93		1.13
Molders, machine.....	78	1.15	1.15		
Platers.....	39	1.01	1.11		.95
Polishers and buffers, metal.....	116	1.12	1.57	1.01	.97
Polishing-and-buffing-machine operators.....	278	1.06	1.19	.77	.99
Punch-press operators, class A.....	71	.95	(*)		.95
Punch-press operators, class B.....	40	.77	(*)	.76	.80
Screw-machine operators, automatic, class A.....	109	1.17	1.13	(*)	1.18
Screw-machine operators, automatic, class B.....	144	1.17	1.20	(*)	1.18
Screw-machine operators, automatic, class C.....	139	1.32	1.44	(*)	.98
Set-up men, machine tools.....	422	1.17	1.11	1.08	1.21
Stock clerks.....	225	.86	.80	.77	.93
Tool-and-die makers.....	1,703	1.42	1.21	1.45	1.50
Truck drivers.....	124	.98	.82	1.06	1.02
Truckers, hand.....	281	.79	.70	.76	.91
Turret-lathe operators, hand (including hand-screw machine), class A.....	459	1.31	1.30	1.33	1.31
Turret-lathe operators, hand (including hand-screw machine), class B.....	512	1.01	.94	1.00	1.06
Turret-lathe operators, hand (including hand-screw machine), class C.....	259	1.01	1.10	.87	1.00
Watchmen.....	171	.78	.70	.78	.84
Welders, hand, class A.....	50	1.27	(*)	(*)	1.34
Welders, hand, class B.....	50	.89	(*)	1.02	.82
Working foremen, processing departments.....	1,012	1.33	1.21	1.37	1.38
<i>Women</i>					
Assemblers, class B.....	161	.74	.69	.74	.83
Assemblers, class C.....	331	.71	.70	.63	.74
Chippers and grinders.....	85	.73	.72	.71	(*)
Drill-press operators, single- and multiple-spindle, class C.....	341	.86	.96	.72	.94
Engine-lathe operators, class B.....	61	1.05	(*)	.85	1.14
Engine-lathe operators, class C.....	425	.98	.92	.94	.99
Grinding-machine operators, class B.....	336	1.12	1.02	(*)	1.15
Grinding-machine operators, class C.....	1,341	.92	.93	.77	.93
Inspectors, class B.....	170	.91	.82	(*)	1.06
Inspectors, class C.....	1,581	.76	.70	.61	.84
Janitors.....	101	.76	.64	(*)	.78
Milling-machine operators, class B.....	184	1.05	.95	.80	1.19
Milling-machine operators, class C.....	969	.94	.83	.78	.96
Polishing-and-buffing-machine operators.....	54	.71	.72	.70	(*)
Stock clerks.....	131	.72	.70	.68	.76
Turret-lathe operators, hand (including hand-screw machine), class C.....	79	.86	.70	(*)	.94

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 57.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Tool-and-Die Jobbing shops, United States and selected regions, January 1946

Occupation, grade, and sex	United States ²		Average hourly rates in—				
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes	Middle West	Pacific
<i>Men</i>							
Assemblers, class A	331	\$1.25	\$1.00	\$1.33	\$1.33	\$1.00	
Assemblers, class B	382	.99	.91	1.00	1.03	.89	\$0.94
Assemblers, class C	210	.78	.72	.79	.78	.80	.80
Carpenters, maintenance	80	1.11	.87	1.08	1.19		(³)
Chippers and grinders	172	1.01	.82	(³)	1.04	(³)	1.00
Crane operators, electric bridge	81	1.14			1.14		
Drill-press operators, radial, class A	198	1.46	(³)	1.05	1.49		(³)
Drill-press operators, radial, class B	66	1.12	(³)	(³)	1.16		
Drill-press operators, radial, class C	47	.86			.91	.75	
Drill-press operators, single- and multiple-spindle, class A	70	1.21	1.09		1.26		(³)
Drill-press operators, single- and multiple-spindle, class B	253	.96	.83	.87	1.04	(³)	(³)
Drill-press operators, single- and multiple-spindle, class C	516	.88	.72	.78	.97	(³)	.87
Electricians, maintenance	122	1.24	1.04	1.44	1.30		
Engine-lathe operators, class A	2,638	1.43	1.05	1.24	1.51	1.17	1.35
Engine-lathe operators, class B	945	1.09	.93	.99	1.16	.99	.97
Engine-lathe operators, class C	359	.90	(³)	.74	1.00	(³)	(³)
Grinding-machine operators, class A	2,876	1.55	1.07	1.28	1.66	(³)	1.30
Grinding-machine operators, class B	1,088	1.20	.98	1.02	1.28	1.03	1.17
Grinding-machine operators, class C	508	.81	.87	.71	.98		.90
Guards	192	.82	.72	.81	.84		
Heat-treaters, class A	151	1.21	1.06	1.23	1.32	(³)	
Heat-treaters, class B	112	.85	.95	.73	1.05		
Inspectors, class A	486	1.53	1.06	1.49	1.72	(³)	1.38
Inspectors, class B	231	1.12	.96	1.00	1.21	(³)	(³)
Inspectors, class C	80	1.00	(³)	(³)	1.03	(³)	
Janitors	1,101	.78	.68	.70	.82	.65	.80
Machine-tool operators, miscellaneous machines	2,338	1.08	.93	.96	1.20	1.04	1.18
Machinists, maintenance	122	1.24	1.04	1.27	1.34		1.25
Machinists, production	2,051	1.22	.99	1.04	1.31	1.18	1.39
Maintenance men, general utility	229	1.15	1.06	1.07	1.19	(³)	(³)
Mechanics, maintenance	72	1.33	1.02	1.03	1.47		
Milling-machine operators, class A	889	1.41	.93	1.17	1.52	.97	1.39
Milling-machine operators, class B	609	1.06	.91	.92	1.10	.97	1.08
Milling-machine operators, class C	403	.87	.78	.71	.99	(³)	(³)
Millwrights	143	1.05	.97	1.16	1.19		(³)
Punch-press operators, class A	132	.99	1.01	(³)	.98		(³)
Punch-press operators, class B	343	.82	.84	.84	.83	.75	
Set-up men, machine tools	217	1.13	1.18	.88	1.30	(³)	(³)
Sheet-metal-machine operators, miscellaneous machines	40	1.14			(³)	(³)	1.21
Stock clerks	223	.90	.82	.93	.94	(³)	(³)
Tool-and-die makers	14,698	1.55	1.29	1.48	1.62	1.38	1.62
Truck drivers	287	.96	.82	.88	.99	(³)	1.00
Truckers, hand	57	.83	.76		.89	(³)	
Turret-lathe operators, hand (including hand-screw machine), class A	400	1.30	1.01	1.04	1.41	(³)	1.28
Turret-lathe operators, hand (including hand-screw machine), class B	284	1.08	.96	1.01	1.16	(³)	1.03
Turret-lathe operators, hand (including hand-screw machine), class C	291	1.00	.81	1.03	.98		(³)
Watchmen	387	.73	.63	.66	.77	(³)	.71
Welders, hand, class A	278	1.45	(³)	1.38	1.50	1.22	1.51
Welders, hand, class B	41	1.00	(³)	(³)	.98	(³)	
Welders, machine, class A	37	1.29	(³)		1.22		1.33
Welders, machine, class B	11	(³)			(³)	(³)	
Working foremen, processing departments	1,525	1.62	1.47	1.66	1.68	1.53	1.47
<i>Women</i>							
Assemblers, class B	96	.86	(³)	(³)	.85	.90	.90
Assemblers, class C	578	.73	.63	.72	.71	.80	.81
Chippers and grinders	106	.96	(³)		.98		
Drill-press operators, single- and multiple-spindle, class B	118	.98	(³)	.76	1.06		
Drill-press operators, single- and multiple-spindle, class C	447	.81	.68	.68	.86		.89
Engine-lathe operators, class B	49	.89	.71	(³)	(³)		1.03
Engine-lathe operators, class C	168	.87	(³)	.73	.99		.86
Grinding-machine operators, class B	59	1.09	(³)	.86	1.19		1.07
Grinding-machine operators, class C	269	.80	(³)	.69	1.02		.90
Inspectors, class B	65	.98	.82	(³)	1.06		.99
Inspectors, class C	262	.82	.73	.68	.85	(³)	.85
Janitors	38	.74	(³)	(³)	.82		
Machine-tool operators, miscellaneous machines	63	.88	.87	.92	.85		
Milling-machine operators, class C	259	.79	(³)	.67	.87	(³)	(³)
Punch-press operators, class B	231	.71	.72	.65	.72		(³)
Stock clerks	28	.74	(³)	(³)	.65	(³)	(³)
Turret-lathe operators, hand (including hand-screw machine), class C	65	.81	(³)	.70	.95		

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 58.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States *							
	Establishments with—							
	8-50 workers		51-250 workers		251-500 workers		501 or more workers	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates
Assemblers, class A.....	13	(²)	153	\$1.25	163	\$1.39	266	\$1.14
Assemblers, class B.....	20	\$1.02	156	1.00	69	.96	405	1.04
Assemblers, class C.....	27	.67	82	.79	17	(²)	48	.94
Carpenters, maintenance.....	2	(²)	21	1.20	27	1.24	65	1.16
Chippers and grinders.....	32	.91	28	1.15	51	.98	91	1.00
Drill-press operators, single- and multiple-spindle, class B.....	48	.99	79	.85	86	1.19	156	1.24
Drill-press operators, single- and multiple-spindle, class C.....	55	.76	58	.77	17	(²)	129	1.04
Electricians, maintenance.....	1	(²)	20	1.12	33	1.30	137	1.32
Engine-lathe operators, class A.....	127	1.38	267	1.26	446	1.42	175	1.27
Engine-lathe operators, class B.....	118	1.14	280	1.04	222	1.18	304	1.18
Engine-lathe operators, class C.....	44	.78	127	.80	23	.99	259	1.13
Grinding-machine operators, class A.....	233	1.53	613	1.38	1,487	1.42	593	1.43
Grinding-machine operators, class B.....	207	1.20	553	1.07	1,114	1.20	1,393	1.16
Grinding-machine operators, class C.....	49	.90	165	.84	232	1.04	695	1.19
Guards.....			60	.80	40	.85	115	.88
Heat treaters, class A.....	18	(²)	60	1.17	74	1.33	137	1.15
Heat treaters, class B.....	15	(²)	82	.96	91	1.15	225	1.14
Inspectors, class A.....	21	1.56	38	1.41	119	1.32	160	1.25
Inspectors, class B.....	4	(²)	89	1.03	174	1.12	442	1.04
Inspectors, class C.....	3	(²)	33	.83	72	.88	226	.86
Janitors.....	57	.80	173	.77	288	.84	491	.81
Machine-tool operators, miscellaneous machines.....	64	.98	105	1.00	81	.93	9	(²)
Machinists, maintenance.....	10	1.37	52	1.04	142	1.21	128	1.25
Machinists, production.....	97	1.18	49	1.17			83	1.21
Maintenance men, general utility.....	26	1.09	67	1.15	63	1.13	64	1.00
Mechanics, maintenance.....	8	(²)	27	1.32	64	1.28	185	1.23
Milling-machine operators, class A.....	65	1.40	214	1.31	444	1.36	189	1.29
Milling-machine operators, class B.....	63	1.13	287	1.01	318	1.08	441	1.18
Milling-machine operators, class C.....	86	.87	124	.81	172	1.02	422	1.11
Millwrights.....			4	(²)	60	1.19	34	.98
Screw-machine operators, automatic, class A.....	20	1.47	11	(²)	37	1.18	41	1.07
Screw-machine operators, automatic, class B.....	11	(²)	18	(²)	67	1.19	48	1.25
Screw-machine operators, automatic, class C.....	2	(²)	9	(²)	16	(²)	112	1.43
Set-up men, machine tools.....	18	(²)	80	1.09	106	1.28	218	1.13
Stock clerks.....	10	(²)	54	.87	40	1.03	121	.81
Tool-and-die makers.....	250	1.50	610	1.41	201	1.45	642	1.40
Truck drivers.....	9	(²)	39	1.00	29	1.02	47	.96
Truckers, hand.....	1	(²)	22	.65	38	.85	220	.79
Turret-lathe operators, hand (including hand-screw machine), class A.....	59	1.35	126	1.23	83	1.39	191	1.32
Turret-lathe operators, hand (including hand-screw machine), class B.....	54	1.00	157	.91	106	1.12	195	1.05
Turret-lathe operators, hand (including hand-screw machine), class C.....	38	.83	50	.88	58	1.15	113	1.06
Watchmen.....	29	.66	45	.67	63	.89	34	.80
Working foremen, processing departments.....	93	1.57	297	1.30	286	1.48	336	1.16

See footnotes at end of table.

TABLE 58.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, by size of establishment, January 1945—Con.

Occupation and grade	Average hourly rates in—									
	New England ⁴			Middle Atlantic ⁴			Great Lakes			
	Establishments with—									
	51-250 workers	251-500 workers	501 or more workers	8-50 workers	51-250 workers	501 or more workers	8-50 workers	51-250 workers	251-500 workers	501 or more workers
Assemblers, class A.....	\$0.99	\$1.01	\$1.17	(?)	\$1.10	\$1.11	(?)	\$1.11	\$1.53	\$1.33
Assemblers, class B.....	.81	.89	.91	\$0.99	.93	.95	(?)	.96	1.16	1.13
Assemblers, class C.....	(?)	(?)	.97	.67	(?)			(?)	(?)	(?)
Carpenters, maintenance.....	(?)	.94	.84		1.45		(?)	1.23	1.35	1.20
Chippers and grinders.....	(?)	(?)	.91	(?)	1.33		\$0.91	(?)	1.11	1.10
Drill-press operators, single- and multiple-spindle, class B.....	.77	1.14	1.30	.87	.83		1.07	.96	1.23	1.00
Drill-press operators, single- and multiple-spindle, class C.....	(?)	.85	1.01	.77	.72		(?)	.85		1.14
Electricians, maintenance.....	.98	1.00	.94	(?)	(?)	1.16		1.14	1.36	1.44
Engine-lathe operators, class A.....	(?)	1.04	1.13	1.29	1.22	1.27	1.52	1.27	1.47	1.36
Engine-lathe operators, class B.....	.88	.98	1.17	.93	1.03	1.19	1.27	1.07	1.26	1.19
Engine-lathe operators, class C.....	.85	.77	1.16	.80	.89		.76	.75	1.20	1.12
Grinding-machine operators, class A.....	.84	1.06	1.45	1.24	1.14	1.43	1.63	1.48	1.51	1.42
Grinding-machine operators, class B.....	.89	1.09	1.18	1.01	.85	1.26	1.26	1.11	1.24	1.13
Grinding-machine operators, class C.....	.76	.83	1.36	(?)	(?)	(?)	.93	.85	1.06	1.00
Guards.....	(?)	.75	(?)		.71	.83		.88	.95	.91
Heat treaters, class A.....	.84	1.06	1.07	(?)	(?)	(?)	(?)	1.25	1.50	1.19
Heat treaters, class B.....	.83	.91	1.22	(?)	(?)	.97	.74	1.01	1.22	1.08
Inspectors, class A.....	(?)	1.05	1.13	(?)	(?)	1.28	1.69	1.53	1.46	1.67
Inspectors, class B.....	.79	.91	.95	(?)	1.01	1.06	(?)	1.08	1.20	1.15
Inspectors, class C.....	(?)	.75	.81		.75		(?)	.90	.96	.91
Janitors.....	.64	.71	.63	.64	.72	(?)	.87	.82	.88	.87
Machine-tool operators, miscellaneous machines.....	(?)	.93	(?)	.98	1.05	(?)	(?)	.85		
Machinists, maintenance.....	.91	1.03	1.07	(?)	1.17	(?)	1.44	1.19	1.40	1.34
Machinists, production.....	(?)		1.13	1.17	1.21	(?)	1.19	1.21		1.36
Maintenance men, general utility.....	.92	.92	.93	.91	(?)	1.10	1.08	1.18	1.22	(?)
Mechanics, maintenance.....			1.03	.96	(?)	1.05		1.38	1.23	1.25
Milling-machine operators, class A.....	.87	1.13	1.28	1.28	1.14	1.31	1.46	1.35	1.45	1.21
Milling-machine operators, class B.....	.82	.94	1.35	.88	1.00	.97	1.23	1.08	1.17	1.09
Milling-machine operators, class C.....	.73	.88	1.16	.65	.67	(?)	.98	.86	1.05	1.05
Millwrights.....		(?)	.90					(?)	1.20	1.00
Screw-machine operators, automatic, class A.....	(?)	1.08	1.30	(?)			1.46	(?)	1.23	1.00
Screw-machine operators, automatic, class B.....	(?)	.91	1.37	(?)			(?)	(?)	1.24	1.09
Screw-machine operators, automatic, class C.....	(?)	(?)	1.49		(?)		(?)	(?)	1.10	.88
Set-up men, machine tools.....	.89	1.17	1.19	(?)	1.02	1.15	1.38	1.32	1.32	1.11
Stock clerks.....	(?)	.77	.81		(?)	(?)	.84	.88	1.19	.81
Tool-and-die makers.....	1.14	1.17	1.23	1.45	1.43	1.54	1.50	1.44	1.58	1.50
Truck drivers.....	(?)	(?)	.80	(?)	1.10	(?)	(?)	.97	1.08	.97
Truckers, hand.....	(?)	.71	.70	(?)	(?)	.82		(?)	.99	.90
Turret-lathe operators, hand (including hand-screw machine), class A.....	(?)	1.32	1.21	1.20	1.24	1.37	1.40	1.21	1.52	1.26
Turret-lathe operators, hand (including hand-screw machine), class B.....	.83	.94	.98	.98	.94	1.08	1.03	.91	1.26	1.08
Turret-lathe operators, hand (including hand-screw machine), class C.....	(?)	(?)	1.16	.85	.88		.83	.92	1.19	.92
Watchmen.....	.64	.74	(?)	(?)	.67	.90	.70	.69	.97	.76
Working foremen, processing departments.....	1.06	1.21	1.29	1.37	1.40	1.29	1.70	1.38	1.59	1.04

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.⁴ In New England there were insufficient workers, in establishments with 8 to 50 workers, to justify presentation of this category; in the Middle Atlantic States no establishments with 251 to 500 workers were studied.

TABLE 59.—Average hourly wage rates (straight-time hourly earnings) ¹ for men in selected plant occupations in Tool-and-Die Jobbing Shops, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²				New England		Middle Atlantic		Great Lakes		Pacific	
	Establishments with—											
	8-50 workers		51 or more workers		8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates							
Electricians, maintenance.....	23	\$1.12	99	\$1.27	\$1.15	\$0.98	(³)	\$1.46	\$1.10	\$1.33	(³)	(³)
Engine-lathe operators, class A.....	1,570	1.42	1,068	1.44	1.14	.96	\$1.24	1.25	1.51	1.51	\$1.30	\$1.44
Engine-lathe operators, class B.....	540	1.08	405	1.10	.98	.88	.96	1.04	1.15	1.17	.97	(³)
Engine-lathe operators, class C.....	194	.96	165	.83	(³)	(³)	.76	.74	1.02	.94	(³)	(³)
Grinding-machine operators, class A.....	1,321	1.62	1,555	1.49	1.26	1.02	1.24	1.34	1.71	1.62	1.23	(³)
Grinding-machine operators, class B.....	444	1.16	644	1.23	.98	.97	.97	1.10	1.25	1.29	1.18	(³)
Grinding-machine operators, class C.....	73	.93	435	.79	.84	.88	(³)	.71	.97	.99	(³)	.86
Guards.....	32	.77	160	.83	(³)	.72	(³)	.80	.76	.87	(³)	(³)
Inspectors, class A.....	137	1.64	349	1.48	(³)	1.04	1.47	1.52	1.74	1.71	(³)	1.43
Inspectors, class B.....	54	1.10	177	1.12	(³)	.92	(³)	1.02	1.11	1.25	(³)	(³)
Janitors.....	549	.76	552	.80	.68	.69	.69	.71	.80	.84	.76	.84
Machine-tool operators, miscellaneous machines.....	1,414	1.10	924	1.12	.91	.96	.95	1.01	1.22	1.18	1.26	1.03
Machinists, production.....	1,091	1.21	960	1.24	1.03	.94	1.26	1.26	1.30	1.34	1.39	1.38
Maintenance men, general utility.....	117	1.20	112	1.10	1.15	.93	1.06	1.08	1.26	1.13	(³)	(³)
Milling-machine operators, class A.....	305	1.46	584	1.38	1.07	.88	1.18	1.16	1.56	1.50	1.31	(³)
Milling-machine operators, class B.....	212	1.01	397	1.09	.88	.92	.94	.89	1.03	1.13	1.11	(³)
Milling-machine operators, class C.....	128	.96	275	.83	(³)	.85	.79	.70	1.03	.96	(³)	(³)
Set-up men, machine tools.....	42	1.26	175	1.10	(³)	1.20	(³)	.86	1.28	1.30	(³)	(³)
Stock clerks.....	70	.82	153	.94	(³)	.80	.89	.97	.79	1.02	(³)	(³)
Tool-and-die makers.....	8,758	1.54	5,940	1.56	1.31	1.25	1.49	1.46	1.61	1.62	1.64	1.60
Truck drivers.....	142	.96	145	.95	.85	.80	.84	.92	.98	.99	(³)	(³)
Watchmen.....	255	.71	132	.76	.63	(³)	.64	.70	.76	.81	(³)	.75

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 60.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, by size of community, January 1945

Occupation, grade, and sex	United States ²		New England		Great Lakes	
	Communities of—					
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
<i>Men</i>						
Assemblers, class A.....	\$1.03	\$1.26	\$0.98	\$1.09	\$1.07	\$1.48
Assemblers, class B.....	1.02	1.03	.82	.98	1.10	1.12
Assemblers, class C.....	.81	.82	.91	.90	.75	.88
Carpenters, maintenance.....	1.07	1.26	.84	.92	1.16	1.28
Drill-press operators, single- and multiple-spindle, class B.....	1.24	.98	1.28	1.02	1.14	1.04
Drill-press operators, single- and multiple-spindle, class C.....	.95	.89	.98	.98	(³)	1.01
Engine-lathe operators, class A.....	1.18	1.39	1.12	1.07	1.19	1.46
Engine-lathe operators, class B.....	1.07	1.15	1.08	1.08	1.10	1.21
Engine-lathe operators, class C.....	.87	1.03	1.09	1.06	.65	1.06
Grinding-machine operators, class A.....	1.23	1.47	1.21	1.13	1.28	1.53
Grinding-machine operators, class B.....	1.12	1.18	1.14	1.13	1.12	1.20
Grinding-machine operators, class C.....	1.06	1.11	1.16	1.32	.97	1.00
Heat treaters, class A.....	.98	1.31	.91	1.27	1.11	1.33
Heat treaters, class B.....	.96	1.17	.88	1.32	1.01	1.14
Inspectors, class A.....	1.12	1.40	1.02	1.15	1.28	1.61
Inspectors, class B.....	1.00	1.09	.86	1.00	1.13	1.17
Inspectors, class C.....	.78	.89	.71	.84	.89	.92
Janitors.....	.72	.85	.62	.70	.81	.89
Maintenance men, general utility.....	1.02	1.15	.93	.92	1.09	1.21
Mechanics, maintenance.....	1.19	1.26		1.03	1.19	1.31
Milling-machine operators, class A.....	1.20	1.36	1.26	1.05	1.15	1.43
Milling-machine operators, class B.....	1.10	1.11	1.29	1.00	1.02	1.18
Milling-machine operators, class C.....	1.05	1.01	1.16	1.02	.89	1.04
Tool-and-die makers.....	1.20	1.47	1.14	1.25	1.26	1.55
Truckers, hand.....	.67	.86	.67	.79	(³)	.91
Turret-lathe operators, hand (including hand-screw machine), class A.....	1.16	1.35	1.40	1.13	1.00	1.39
Turret-lathe operators, hand (including hand-screw machine), class B.....	.90	1.08	.95	.92	.86	1.14
Turret-lathe operators, hand (including hand-screw machine), class C.....	.93	1.03	1.00	1.16	(³)	1.02
Watchmen.....	.79	.77	.69	.70	.88	.81
<i>Women</i>						
Drill-press operators, single- and multiple-spindle, class C.....	.91	.84	.97	.93	.90	.97
Engine-lathe operators, class C.....	.93	.99	.95	.89	.95	1.01
Grinding-machine operators, class B.....	1.03	1.14	1.13	.89	1.00	1.17
Grinding-machine operators, class C.....	.93	.90	1.04	.81	.90	.94
Inspectors, class B.....	.79	1.01	.77	.88	.83	1.17
Inspectors, class C.....	.69	.79	.65	.77	.73	.90
Janitors.....	(³)	.78	(³)	(³)	(³)	.79
Milling-machine operators, class B.....	.84	1.13	(³)	.88	(³)	1.19
Milling-machine operators, class C.....	.89	.96	.96	.76	.85	.99

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 61.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected occupations in Tool-and-Die Jobbing shops, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		New England		Middle Atlantic		Great Lakes	
	Communities of—							
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Engine-lathe operators, class A.....	\$1.18	\$1.46	\$0.83	\$1.16	\$1.01	\$1.28	\$1.31	\$1.53
Engine-lathe operators, class B.....	1.00	1.10	.73	.96	.86	1.01	1.08	1.18
Engine-lathe operators, class C.....	.78	.96		(³)	.72	.77	.85	1.05
Grinding-machine operators, class A.....	1.20	1.61	.94	1.23	1.11	1.31	1.47	1.68
Grinding-machine operators, class B.....	1.14	1.21	.92	1.00	.91	1.03	1.26	1.28
Grinding-machine operators, class C.....	.72	.95	.87	.87	.70	.83	.87	.99
Inspectors, class A.....	1.10	1.63	.92	1.21	1.21	1.57	1.45	1.74
Inspectors, class B.....	.91	1.18	.79	1.06	(³)	1.04	1.03	1.25
Janitors.....	.71	.79	.68	.68	.65	.71	.73	.84
Machine-tool operators, miscellaneous machines.....	1.03	1.12	.85	.96	1.04	1.07	1.16	1.21
Machinists, production.....	1.07	1.26	.82	1.06	.98	1.29	1.30	1.33
Maintenance men, general utility.....	1.10	1.16		1.06	(³)	1.08	1.12	1.20
Tool-and-die makers.....	1.37	1.57	1.06	1.33	1.31	1.51	1.44	1.64
Watchmen.....	.66	.74		.63	(³)	.67	.68	.79

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 62.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, by unionization, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Union establishments		Nonunion establishments		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Non-union establishments	Union establishments	Non-union establishments	Union establishments	Non-union establishments
<i>Men</i>										
Assemblers, class A.....	521	\$1.25	74	\$1.18	\$1.10	\$1.00	\$1.11	(³)	\$1.42	\$1.36
Assemblers, class B.....	537	1.03	113	.99	.91	.87	.94	\$0.99	1.10	1.12
Assemblers, class C.....	118	.83	56	.79	.96	.71	.75	.62	.76	.94
Drill-press operators, single- and multiple-spindle, class A.....	40	1.27	45	1.05	(³)	(³)	1.10	.91	1.41	1.28
Drill-press operators, single- and multiple-spindle, class B.....	209	1.15	160	1.06	1.19	1.29	-----	.84	1.02	1.13
Drill-press operators, single- and multiple-spindle, class C.....	150	.99	109	.80	1.01	.83	.72	.76	1.15	.83
Electricians, maintenance.....	135	1.33	56	1.22	.95	(³)	1.14	1.27	1.50	1.23
Engine-lathe operators, class A.....	671	1.38	344	1.28	1.07	1.12	1.24	1.27	1.46	1.30
Engine-lathe operators, class B.....	598	1.16	326	1.08	1.10	.91	1.12	.98	1.22	1.13
Engine-lathe operators, class C.....	287	1.11	166	.81	1.12	.77	.91	.82	1.11	.87
Grinding-machine operators, class A.....	2,048	1.46	878	1.34	1.18	1.07	1.41	1.21	1.55	1.38
Grinding-machine operators, class B.....	2,109	1.17	1,158	1.14	1.14	1.09	1.31	.96	1.20	1.16
Grinding-machine operators, class C.....	780	1.19	361	.90	1.32	.82	.92	.79	1.06	.91
Guards.....	134	.89	81	.80	.76	.76	.82	.74	.93	.82
Heat treaters, class A.....	157	1.22	132	1.19	1.02	1.13	1.22	1.20	1.43	1.19
Heat treaters, class B.....	287	1.13	126	1.01	1.18	.87	.94	(³)	1.11	1.05
Inspectors, class A.....	252	1.29	86	1.36	1.11	.98	1.27	1.37	1.58	1.46
Inspectors, class B.....	459	1.03	250	1.09	.94	.84	1.05	(³)	1.19	1.13
Inspectors, class C.....	197	.85	137	.87	.81	.69	(³)	(³)	.94	.90
Janitors.....	712	.82	297	.78	.65	.66	.71	.72	.88	.83
Machine-tool operators, miscellaneous machines.....	52	.94	207	.98	.97	.92	(³)	1.02	1.85	(³)
Machinists, maintenance.....	221	1.20	111	1.21	1.04	.96	(³)	1.03	1.36	1.35
Machinists, production.....	113	1.17	116	1.21	1.13	(³)	1.22	1.17	1.17	1.31
Maintenance men, general utility.....	127	1.15	93	1.01	.93	.92	(³)	1.06	1.28	1.03
Mechanics, maintenance.....	193	1.28	91	1.17	1.03	-----	1.06	.91	1.31	1.19
Milling-machine operators, class A.....	649	1.38	263	1.22	1.09	1.16	1.30	1.21	1.45	1.26
Milling-machine operators, class B.....	683	1.12	426	1.09	1.17	.95	1.01	.90	1.11	1.14
Milling-machine operators, class C.....	525	1.10	279	.87	1.14	.80	(³)	.65	1.06	.94
Screw-machine operators, automatic, class A.....	57	1.06	52	1.29	1.19	1.01	-----	(³)	.99	1.34
Set-up men, machine tools.....	269	1.16	153	1.18	1.15	1.06	1.08	1.08	1.18	1.29
Stock clerks.....	154	.89	71	.82	.81	.75	.77	-----	1.03	.83
Tool-and-die makers.....	934	1.42	769	1.42	1.22	1.17	1.48	1.44	1.50	1.50
Truck drivers.....	86	.97	38	1.01	.81	(³)	1.01	1.10	1.03	.99
Truckers, hand.....	188	.74	93	.88	.70	.69	.76	(³)	.85	.94
Turret-lathe operators, hand (including hand-screw machine), class A.....	243	1.32	216	1.30	1.16	1.37	1.35	1.25	1.34	1.29
Turret-lathe operators, hand (including hand-screw machine), class B.....	268	1.04	244	.98	.94	.94	1.02	.98	1.17	.99
Watchmen.....	91	.77	80	.78	.70	.70	.79	(³)	.85	.83
Working foremen, processing departments.....	563	1.29	449	1.38	1.20	1.22	1.36	1.38	1.34	1.44
<i>Women</i>										
Assemblers, class C.....	244	.68	87	.80	.69	.71	.63	(³)	.70	.74
Drill-press operators, single- and multiple-spindle, class C.....	172	.92	169	.80	.97	(³)	.81	.70	.94	.94
Engine-lathe operators, class C.....	254	.98	171	.96	.94	.85	(³)	.93	1.00	.98
Grinding-machine operators, class B.....	247	1.16	89	1.01	1.17	.85	-----	(³)	1.16	1.10
Grinding-machine operators, class C.....	626	.95	715	.90	.94	.83	.97	.69	.95	.91
Inspectors, class C.....	1,179	.73	402	.83	.71	.69	.58	.76	.83	.86
Milling-machine operators, class B.....	107	1.20	77	.85	1.22	.76	-----	.80	1.20	1.09
Milling-machine operators, class C.....	605	.97	364	.89	.85	.80	(³)	.76	1.00	.90

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 63.—Average hourly wage rates (straight-time hourly earnings) ¹ for men in selected plant occupations in Tool-and-Die Jobbing shops, United States and selected regions, by unionization, January 1945

Occupation and grade	United States ²				Average hourly rates in—					
	Union establish-ments		Nonunion estab-lishments		New England		Middle Atlantic		Great Lakes	
	Number of work-ers	Average hourly rates	Number of work-ers	Average hourly rates	Union estab-lishments	Non-union estab-lishments	Union estab-lishments	Non-union estab-lishments	Union estab-lishments	Non-union estab-lishments
Electricians, maintenance.....	77	\$1.26	45	\$1.20	\$0.90	\$1.20	\$1.47	\$1.42	\$1.38	\$1.10
Engine-lathe operators, class A.....	1,235	1.52	1,403	1.36	.94	1.10	1.23	1.24	1.56	1.44
Engine-lathe operators, class B.....	184	1.09	761	1.09	.83	.95	1.46	.98	1.14	1.16
Engine-lathe operators, class C.....	132	.92	227	.89		(³)	.72	.76	1.05	.97
Grinding-machine operators, class A.....	1,624	1.58	1,252	1.51	.98	1.20	1.55	1.24	1.69	1.62
Grinding-machine operators, class B.....	286	1.22	802	1.20	.99	.98	1.10	1.00	1.25	1.29
Grinding-machine operators, class C.....	362	.71	146	.90		.87	.70	.80	.99	.97
Heat treaters, class A.....	73	1.20	78	1.22	.95	1.17	(³)	1.24	1.36	1.26
Inspectors, class A.....	245	1.56	241	1.50	.98	1.20	2.22	1.30	1.75	1.68
Inspectors, class B.....	93	1.07	133	1.15	.88	1.14	(³)	1.01	1.22	1.20
Janitors.....	491	.83	610	.73	.68	.69	.66	.70	.86	.77
Machine-tool operators, miscellaneous machines.....	720	1.26	1,618	1.04	(³)	.93	1.24	1.24	1.27	1.13
Machinists, maintenance.....	64	1.24	58	1.25	.99	1.18	(³)	1.31	1.41	1.27
Machinists, production.....	672	1.27	1,379	1.20	.83	1.04	1.38	1.23	1.30	1.26
Mechanics, maintenance.....	51	1.38	21	1.20	(³)	1.15	(³)	(³)	1.46	(³)
Milling-machine operators, class A.....	599	1.45	290	1.33	.88	1.07	1.15	1.18	1.56	1.42
Milling-machine operators, class B.....	225	1.15	384	1.01	.94	.88	(³)	.92	1.19	1.03
Milling-machine operators, class C.....	234	.88	169	.87	(³)	.78	.71	.71	1.05	.93
Millwrights.....	112	1.04	31	1.06	(³)	.98	(³)	(³)	1.36	1.02
Set-up men, machine tools.....	120	1.10	97	1.17	(³)	1.11	(³)	1.04	1.32	1.26
Stock clerks.....	92	.95	131	.87	.79	.84	(³)	.91	1.05	.84
Tool-and-die makers.....	5,422	1.64	9,276	1.50	1.14	1.30	1.59	1.48	1.66	1.58

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 64.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Machine-Tool Accessory Production establishments, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Assemblers, class A.....	540	\$1.25	55	\$1.10	\$1.05	\$1.09	\$1.11	\$1.10	\$1.41	-----
Assemblers, class B.....	340	.97	310	1.08	.85	1.04	.95	.94	1.04	\$1.13
Drill-press operators, single- and multiple-spindle, class B.....	202	.99	167	1.27	.81	1.31	.84	-----	1.11	1.00
Drill-press operators, single- and multiple-spindle, class C.....	155	.79	104	1.09	.81	1.09	.75	.76	.82	1.31
Grinding-machine operators, class A.....	2,443	1.43	483	1.38	.98	1.36	1.18	1.59	1.51	1.41
Grinding-machine operators, class B.....	2,180	1.13	1,087	1.23	.89	1.26	.96	1.37	1.18	1.16
Grinding-machine operators, class C.....	739	.96	402	1.36	.83	1.47	.81	(³)	.99	1.00
Milling-machine operators, class A.....	672	1.35	240	1.28	.98	1.24	1.17	1.31	1.40	1.38
Milling-machine operators, class B.....	721	1.06	388	1.19	.83	1.31	.90	1.01	1.12	1.11
Milling-machine operators, class C.....	476	.95	328	1.12	.79	1.17	.63	(³)	1.01	1.02
Turret-lathe operators, hand (including hand-screw machine), class A.....	287	1.27	172	1.38	.99	1.44	1.23	1.37	1.30	1.35
Turret-lathe operators, hand (including hand-screw machine), class B.....	332	.99	180	1.05	.83	1.00	.99	1.02	1.03	1.23
Turret-lathe operators, hand (including hand-screw machine), class C.....	167	.92	102	1.16	.75	1.19	.85	(³)	.96	1.14
<i>Women</i>										
Drill-press operators, single- and multiple-spindle, class C.....	248	.80	93	1.03	.78	1.08	.70	.88	.90	1.11
Grinding-machine operators, class B.....	255	1.12	81	1.12	.78	1.15	(³)	-----	1.15	1.14
Grinding-machine operators, class C.....	922	.94	419	.89	.77	1.04	.69	(³)	.97	.83
Milling-machine operators, class C.....	677	.94	292	.94	.76	.91	.75	(³)	.97	.94

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 65.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machine-Tool Accessory Production establishments, by wage area, January 1945

Occupation, grade, and sex	Chicago, Ill.	Cleveland, Ohio	Detroit, Mich.	Hartford, Conn.	Newark-Jersey City, N. J.	New Haven, Conn.	Providence, R. I.
Men							
Assemblers, class A.....	\$1.39		\$1.63	\$1.19	\$1.11	\$0.92	(?)
Assemblers, class B.....	1.14	\$1.07	(?)	1.04	.94	(?)	(?)
Carpenters, maintenance.....	1.13	1.27	1.35	(?)	(?)		(?)
Electricians, maintenance.....	1.22	1.56	1.75	(?)	1.16		\$1.05
Engine-lathe operators, class A.....	1.27	1.26	1.55	1.15	1.27	(?)	
Engine-lathe operators, class B.....	1.12	1.03	1.31	1.16	1.08	(?)	1.23
Engine-lathe operators, class C.....	.92	1.06	1.17	1.19	.86	(?)	1.00
Grinding-machine operators, class A.....	1.43	1.24	1.63	1.31	1.48	1.03	.97
Grinding-machine operators, class B.....	1.12	1.10	1.31	1.25	1.22	.88	1.15
Grinding-machine operators, class C.....	.84	.95	1.13	1.40	(?)	.62	.78
Guards.....	.88	.87	(?)	(?)	.78	(?)	.75
Heat treaters, class A.....	1.21	(?)	1.61	1.50	1.29	(?)	(?)
Heat treaters, class B.....	.96	1.04	1.23	1.67	.97	(?)	.88
Inspectors, class A.....	(?)	1.24	1.68	1.23	1.34	(?)	
Inspectors, class B.....	1.05	1.17	1.29	1.02	1.06	(?)	(?)
Inspectors, class C.....	.83	.97	(?)	.90	(?)	.73	(?)
Janitors.....	.78	.79	.94	.77	.69	.69	.66
Machinists, maintenance.....	1.34	1.25	1.64	1.03		1.01	1.00
Maintenance men, general utility.....	1.05	(?)	1.43	(?)	1.18	(?)	.83
Mechanics, maintenance.....	1.18	1.14	1.38	1.03	1.04		
Milling-machine operators, class A.....	1.28	1.17	1.52	1.05	1.32	1.11	
Milling-machine operators, class B.....	1.17	1.04	1.28	1.20	(?)	.83	.95
Milling-machine operators, class C.....	.88	1.01	1.14	1.11	(?)	.79	.76
Set-up men, machine tools.....	1.24	1.17	1.33	1.26	(?)	(?)	(?)
Stock clerks.....	.80	.95	(?)	.90	(?)	(?)	(?)
Tool-and-die makers.....	1.43	1.42	1.63	1.37	1.52	1.20	(?)
Truckers, hand.....	.96	.75	(?)	.83	.82	(?)	(?)
Turret-lathe operators, hand (including hand-screw machine), class A.....	(?)	1.28	1.46	(?)	1.35	(?)	(?)
Turret-lathe operators, hand (including hand-screw machine), class B.....	1.03	1.12	1.31	(?)	1.05	(?)	(?)
Turret-lathe operators, hand (including hand-screw machine), class C.....	.80	1.60	1.14	1.26	(?)	(?)	(?)
Watchmen.....	.69	.80	.88	(?)	.80	.75	(?)
Women							
Drill-press operators (single- and multiple-spindle), class C.....	.74	1.00	(?)	1.01	.71	(?)	(?)
Grinding-machine operators, class C.....	.87	.91	1.08	.81	.83	(?)	.86
Inspectors, class C.....	.80	.88	1.10	.80	.77	.71	.82
Milling-machine operators, class B.....	(?)	(?)	1.20	(?)		.76	(?)
Milling-machine operators, class C.....	.88	.94	1.04	.80	(?)	.73	.71

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.TABLE 66.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Tool-and-Die Jobbing shops, by wage area, January 1945

Occupation and grade	Boston, Mass.	Bridgeport, Conn.	Chicago, Ill.	Cleveland, Ohio	Dayton, Ohio	Detroit, Mich.	Hartford, Conn.	Indianapolis, Ind.	Los Angeles, Calif.	Milwaukee, Wis.	Minneapolis, Minn.	Newark, N. J.	New York, N. Y.	Philadelphia, Pa.
Engine-lathe operators, class A.....	\$1.07	\$1.23	\$1.42	\$1.31	\$1.51	\$1.64	\$1.20	\$1.34	\$1.36	\$1.28	(?)	\$1.31	\$1.25	\$1.39
Engine-lathe operators, class B.....	1.01	.97	1.11	1.12	1.22	1.34	.92	1.10	(?)	1.05	\$1.04	.98	1.05	(?)
Engine-lathe operators, class C.....			.95	.96	(?)	1.16	(?)	(?)	(?)	(?)	(?)	(?)	.80	(?)
Grinding-machine operators, class A.....	1.20	1.35	1.47	1.38	1.72	1.78	1.26	1.50	1.30	1.33	1.22	1.26	1.30	1.45
Grinding-machine operators, class B.....	1.06	.95	1.14	1.13	1.46	1.39	1.04	1.28	1.17	1.08	1.07	1.00	1.01	1.22
Grinding-machine operators, class C.....	.88	(?)	.99	.98	(?)	1.07	(?)		(?)	(?)	(?)	(?)		(?)
Guards.....		(?)	.73	.83	.80	.97	(?)	(?)		(?)	(?)		.81	
Inspectors, class A.....	(?)	1.27	1.64	1.48	1.93	1.82	1.13	1.62	1.38	(?)	(?)	(?)	1.28	(?)
Inspectors, class B.....	(?)		1.18	1.11	(?)	1.36	(?)	(?)	(?)	(?)	(?)	(?)	1.04	
Janitors.....	.68	.70	.73	.74	.78	.94	.68	.69	.80	.70	.65	.74	.68	.70
Machine-tool operators, miscellaneous machines.....	.96	.99	.89	1.22	1.45	1.34	1.04	1.08	1.18	(?)	1.01	.99	1.11	1.20
Machinists, production.....	1.03	1.05	1.38	1.38		1.51	1.13	1.26	1.40	1.17	1.22	1.22	1.29	1.39
Maintenance men, general utility.....	(?)	1.07	1.07	1.13	(?)	1.62	(?)	1.10	1.25	1.03	1.00	1.00	1.20	1.17
Stock clerks.....	(?)	(?)	.99	.91	(?)	1.10	(?)	.85	(?)	(?)		.88	1.06	(?)
Tool-and-die makers.....	1.32	1.39	1.61	1.52	1.79	1.75	1.30	1.57	1.62	1.37	1.38	1.48	1.61	1.65
Truck drivers.....	(?)	(?)	.84	.94	(?)	1.08	(?)	(?)	1.00	(?)	(?)	.90	(?)	(?)
Watchmen.....	(?)	(?)	.63	.76	(?)	.89	(?)	(?)	.71		(?)	.70	(?)	(?)

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Machine Tools

This study covered establishments engaged primarily in the manufacture of machine tools defined as "power driven complete metalworking machines not portable by hand, having one or more tool and work holding devices, used for progressively removing metal in the form of chips".² Honing machines, lapping machines, and grinders are also included in this classifica-

tion. Not included in this survey were establishments engaged in the manufacture of shaping, pressing, or forging of metal machinery, since the shaping action of such machines is not dependent upon a cutting tool.

The scope of the survey corresponds to that of Industry Group 3541 of the Standard Classification Manual (1941 edition) issued by the Bureau of the Budget.

¹ Definition of the United States Bureau of the Census and the National Machine Tool Builders Association.

TABLE 67.—Percentage distribution of plant workers in Machine Tool establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States			All workers in—				
	All workers	Men	Women	New England	Middle Atlantic	Great Lakes	Middle West	Pacific
Under 50.0 cents.....	0.1	0.1	0.5	0.1	(³)	0.1	0.7	-----
50.0-54.9 cents.....	.5	.2	2.5	.4	0.6	.4	3.4	-----
55.0-59.9 cents.....	.8	.5	3.1	.7	.7	.7	4.0	-----
60.0-64.9 cents.....	1.9	1.4	7.0	2.3	1.6	1.8	5.4	-----
65.0-69.9 cents.....	3.6	2.8	11.5	4.1	3.7	3.4	6.3	0.9
70.0-74.9 cents.....	5.1	4.3	12.9	5.5	4.8	5.0	8.5	3.4
75.0-79.9 cents.....	5.8	5.2	10.5	5.4	6.9	5.7	9.9	4.4
80.0-84.9 cents.....	6.7	6.4	9.3	7.4	7.9	6.1	3.8	9.3
85.0-89.9 cents.....	7.1	6.6	12.1	6.5	9.0	7.1	5.3	7.1
90.0-94.9 cents.....	7.7	7.8	6.9	7.4	8.9	7.8	4.4	7.1
95.0-99.9 cents.....	7.6	7.5	8.1	7.9	8.5	7.1	9.1	8.5
100.0-104.9 cents.....	8.1	8.2	6.4	9.2	7.4	7.9	6.9	4.6
105.0-109.9 cents.....	6.6	7.0	2.7	7.1	6.2	6.3	8.1	6.6
110.0-114.9 cents.....	7.2	7.8	1.7	8.3	5.8	6.9	4.4	7.3
115.0-119.9 cents.....	5.8	6.3	1.2	5.7	7.7	5.6	3.7	5.5
120.0-124.9 cents.....	4.9	5.3	1.0	4.4	3.1	5.3	3.1	7.7
125.0-129.9 cents.....	4.9	5.3	1.0	3.8	7.1	4.8	5.0	11.0
130.0-134.9 cents.....	3.5	3.8	.4	3.8	2.0	3.6	3.0	4.8
135.0-139.9 cents.....	2.4	2.7	.4	1.9	2.9	2.6	1.9	5.7
140.0-144.9 cents.....	1.9	2.1	.2	1.4	1.3	2.2	.7	3.9
145.0-149.9 cents.....	1.6	1.7	.2	1.4	1.2	1.8	1.4	.7
150.0-159.9 cents.....	2.4	2.6	.3	1.5	1.3	3.1	.3	1.3
160.0-169.9 cents.....	1.5	1.7	.1	1.1	.4	2.0	.5	.1
170.0-179.9 cents.....	1.0	1.1	(³)	.8	.7	1.3	.2	.1
180.0-189.9 cents.....	.5	.6	(³)	.7	.6	.6	-----	(³)
190.0-199.9 cents.....	.3	.4	(³)	.5	.1	.3	-----	-----
200.0 cents and over.....	.5	.6	-----	.7	.1	.5	-----	(³)
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	80,900	72,900	8,000	23,600	7,000	46,900	1,400	2,000
Average hourly earnings ¹	\$1.05	\$1.07	\$0.82	\$1.03	\$1.01	\$1.06	\$0.92	\$1.08

² Excludes premium pay for overtime and night work.

³ Less than 0.05 of 1 percent.

TABLE 68.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Machine-Tool establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States		Average hourly rates in—				
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes	Middle West	Pacific
<i>Men</i>							
Assemblers, class A	4,540	\$1.19	\$1.20	\$1.14	\$1.20	\$1.13	\$1.25
Assemblers, class B	4,036	1.06	1.10	.89	1.07	.94	1.03
Assemblers, class C	1,298	.97	.94	.72	1.00	.94	1.00
Carpenters, maintenance	280	1.05	1.00	1.05	1.08	.93	(?)
Chippers and grinders	812	.95	1.00	.91	.93	.97	.99
Coremakers, hand	322	1.19	1.21	(?)	1.18	(?)	(?)
Crane operators, electric bridge	480	.92	.89	.89	.93	(?)	(?)
Drill-press operators, radial, class A	777	1.23	1.12	1.28	1.28	(?)	1.21
Drill-press operators, radial, class B	915	1.08	1.01	.91	1.12	(?)	1.11
Drill-press operators, radial, class C	169	.88	.76	(?)	.89	(?)	1.03
Drill-press operators, single- and multiple-spindle, class A	378	1.17	1.05	1.05	1.30	(?)	(?)
Drill-press operators, single- and multiple-spindle, class B	594	.99	.96	.82	1.03	.83	(?)
Drill-press operators, single- and multiple-spindle, class C	259	.85	.82	.69	.87	(?)	(?)
Electricians, maintenance	512	1.13	1.06	1.10	1.18	.89	1.32
Engine-lathe operators, class A	1,838	1.20	1.11	1.18	1.24	1.18	1.27
Engine-lathe operators, class B	1,646	1.00	.98	.86	1.03	.97	1.09
Engine-lathe operators, class C	484	.85	.95	.69	.85	.98	(?)
Grinding-machine operators, class A	1,935	1.28	1.19	1.21	1.35	1.24	1.29
Grinding-machine operators, class B	1,436	1.07	1.01	.94	1.12	.87	1.10
Grinding-machine operators, class C	396	.95	.81	.76	1.02	(?)	(?)
Guards	718	.83	.82	.82	.84	(?)	.92
Heat treaters, class A	248	1.14	1.10	(?)	1.17	(?)	(?)
Heat treaters, class B	406	1.00	.95	.90	1.04	(?)	(?)
Inspectors, class A	1,265	1.17	1.08	1.24	1.21	(?)	1.28
Inspectors, class B	1,394	1.06	1.07	.94	1.07	.88	1.12
Inspectors, class C	338	.88	.82	(?)	.91	(?)	1.01
Janitors, class C	1,413	.77	.71	.73	.82	.67	.78
Machinists, maintenance	346	1.16	1.12	1.14	1.19	(?)	1.32
Machinists, production	945	1.13	1.13	1.09	1.15	1.09	1.30
Machine-tool operators, miscellaneous machines	461	1.10	1.05	.89	1.23	.90	1.21
Maintenance men, general utility	74	.97	.94	(?)	.97	(?)	(?)
Mechanics, maintenance	206	1.13	1.14	1.06	1.16	.74	(?)
Milling-machine operators, class A	1,610	1.21	1.14	1.15	1.25	1.05	1.25
Milling-machine operators, class B	1,647	1.05	.95	.93	1.11	.88	1.14
Milling-machine operators, class C	509	.98	.99	.79	.99	(?)	1.01
Millwrights	253	1.05	1.01	.95	1.12	(?)	(?)
Molders, floor	452	1.16	1.07	.98	1.23	1.36	(?)
Molders, hand, bench	117	1.08	1.03	1.11	1.06	1.19	(?)
Molders, machine	252	1.18	1.01	(?)	1.28	1.16	(?)
Painters, finish	284	1.04	10.3	.95	1.11	(?)	(?)
Painters, rough	415	.96	.88	.86	.99	.72	(?)
Patternmakers, wood	158	1.29	1.26	1.22	1.46	(?)	(?)
Screw-machine operators, automatic, class A	239	1.34	1.20	(?)	1.40	(?)	(?)
Screw-machine operators, automatic, class B	171	1.20	(?)	.93	1.24	(?)	(?)
Set-up men, machine tools	320	1.34	1.05	1.30	1.41	.83	1.38
Shake-out men	235	.81	.81	(?)	.79	.94	.85
Sheet-metal workers, production	158	1.28	1.31	1.25	1.18	(?)	(?)
Stock clerks	942	.84	.85	.82	.83	.77	.99
Tool-and-die makers	1,403	1.35	1.29	1.40	1.37	1.07	1.43
Truck drivers	277	.89	.83	1.00	.93	(?)	(?)
Truckers, hand	650	.81	.74	.73	.86	(?)	(?)
Truckers, power	323	.92	.95	.80	.92	(?)	(?)
Turret-lathe operators, hand (including hand-screw machine), class A	1,791	1.16	1.06	1.12	1.24	1.17	1.27
Turret-lathe operators, hand (including hand-screw machine), class B	1,250	1.06	1.05	.94	1.09	.84	1.11
Turret-lathe operators, hand (including hand-screw machine), class C	424	.90	1.01	.78	.89	(?)	1.04
Watchmen	331	.70	.67	.65	.74	.55	(?)
Welders, hand, class A	185	1.18	1.29	1.14	1.14	(?)	(?)
Working foremen, processing departments	1,291	1.23	1.25	1.19	1.23	1.10	1.30
<i>Women</i>							
Assemblers, class B	257	.95	.87	.88	1.02	(?)	.87
Assemblers, class C	519	.88	.78	(?)	.96	(?)	.85
Crane operators, electric bridge	73	.97	1.01	(?)	.91	(?)	(?)
Drill-press operators, single- and multiple-spindle, class C	242	.78	.86	(?)	.77	(?)	.82
Grinding-machine operators, class B	138	.97	.88	(?)	1.00	(?)	(?)
Grinding-machine operators, class C	305	.89	.75	(?)	.92	(?)	(?)
Inspectors, class B	251	.95	.88	(?)	.99	(?)	(?)
Inspectors, class C	675	.81	.73	.82	.84	(?)	.95
Milling-machine operators, class B	145	.93	.86	(?)	1.01	(?)	(?)
Milling-machine operators, class C	205	.86	.73	.85	.88	(?)	(?)
Stock clerks	213	.72	.70	.74	.72	(?)	.82
Turret-lathe operators, hand (including hand-screw machine), class C	133	.95	.93	(?)	.96	(?)	(?)

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 69.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²						New England			Great Lakes			Middle Atlantic		
	Establishments with—														
	8-250 workers		251-500 workers		501 or more workers		8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates								
Assemblers, class A.....	817	\$1.09	1,333	\$1.09	2,390	\$1.28	\$1.00	\$0.99	\$1.28	\$1.12	\$1.11	\$1.28	\$1.14	\$1.06	\$1.24
Assemblers, class B.....	924	.93	811	.96	2,301	1.15	.91	.98	1.15	.94	1.02	1.15	.92	.83	1.02
Assemblers, class C.....	426	.81	255	.81	617	1.16	.81	.85	1.04	.80	.84	1.17	.75	.70	(³)
Chippers and grinders.....	167	.84	304	.88	341	1.07	.84	.86	1.09	.82	.87	1.06	(³)	.93	(³)
Crane operators, electric bridge.....	45	.82	143	.86	292	.96	(³)	.85	.91	.82	.85	.97	(³)	.87	.93
Drill-press operators, radial, class A.....	83	1.13	184	1.13	510	1.28	1.08	1.03	1.14	1.19	1.08	1.39	(³)	1.36	1.17
Drill-press operators, radial, class B.....	141	.93	179	.95	595	1.16	.86	.95	1.03	.93	.98	1.20	(³)	.87	.97
Drill-press operators, single- and multiple-spindle, class A.....	.64	1.02	61	1.05	253	1.24	.90	.96	1.08	1.14	1.03	1.41	.96	1.24	.98
Drill-press operators, single- and multiple-spindle, class B.....	153	.88	118	.92	323	1.06	.82	.86	.98	.90	.97	1.16	(³)	.77	(³)
Electricians, maintenance.....	39	1.14	100	1.06	373	1.15	1.04	1.01	1.07	1.20	1.12	1.19	(³)	1.01	1.24
Engine-lathe operators, class A.....	537	1.13	513	1.15	788	1.29	1.02	1.11	1.15	1.16	1.12	1.36	1.12	1.19	1.28
Engine-lathe operators, class B.....	632	.92	311	.94	703	1.11	.89	.91	1.03	.91	1.03	1.14	.94	.79	.99
Engine-lathe operators, class C.....	196	.82	131	.85	157	.89	.85	(³)	1.08	.80	.90	.87	(³)	.87	(³)
Grinding-machine operators, class A.....	219	1.20	356	1.19	1,360	1.32	1.11	1.06	1.20	1.25	1.20	1.41	1.10	1.25	1.18
Grinding-machine operators, class B.....	173	.96	244	1.00	1,019	1.11	.97	.99	1.01	.96	1.03	1.17	.96	.93	(³)
Grinding-machine operators, class C.....	62	.77	76	.89	258	1.01	.77	(³)	.82	.80	.91	1.08	.76	.77	-----
Guards.....	114	.77	102	.70	502	.87	.77	(³)	.83	.74	.69	.90	.85	.72	.87
Inspectors, class A.....	71	1.28	93	1.12	1,101	1.16	(³)	.99	1.08	1.34	1.18	1.20	(³)	1.10	1.29
Inspectors, class B.....	83	.96	100	.97	1,211	1.08	.95	(³)	1.08	.97	1.02	1.08	(³)	.90	1.02
Janitors.....	179	.72	230	.72	1,004	.79	.65	.74	.71	.74	.73	.85	.75	.67	.76
Machinists, production.....	425	1.09	203	1.11	317	1.21	1.04	(³)	1.21	1.15	1.22	.99	1.16	1.03	1.26
Machine-tool operators, miscellaneous machines.....	219	1.06	141	1.03	101	1.30	1.08	(³)	1.03	1.09	1.19	1.48	.92	.86	-----
Milling-machine operators, class A.....	243	1.12	266	1.12	1,101	1.25	1.08	1.09	1.15	1.14	1.09	1.33	1.09	1.27	1.11
Milling-machine operators, class B.....	283	.94	347	.95	1,017	1.11	.91	.91	.96	.96	.98	1.20	.93	.90	1.10
Milling-machine operators, class C.....	100	.82	82	.83	327	1.06	.83	(³)	1.03	.83	.85	1.07	(³)	.79	(³)
Painters, rough.....	109	.81	112	.89	194	1.08	.76	(³)	(³)	.85	.91	1.09	.75	.78	.98
Set-up men, machine tools.....	43	1.15	59	1.15	218	1.43	(³)	(³)	1.01	1.20	1.19	1.53	(³)	(³)	1.33
Stock clerks.....	117	.83	213	.80	612	.85	.86	.87	.84	.83	.79	.85	.84	.81	.84
Tool-and-die makers.....	396	1.41	301	1.20	706	1.39	1.32	1.16	1.31	1.41	1.23	1.42	1.52	1.06	1.36
Truck drivers.....	67	.85	56	.91	154	.90	.82	(³)	.83	.88	.94	.97	-----	(³)	(³)
Truckers, hand.....	101	.75	113	.71	436	.85	.75	(³)	.73	.76	.70	.94	.71	(³)	(³)
Turret-lathe operators, hand (including hand-screw machine), class A.....	234	1.17	402	1.10	1,155	1.17	1.16	1.21	1.04	1.18	1.10	1.36	1.05	1.03	1.18
Turret-lathe operators, hand (including hand-screw machine), class B.....	243	.94	244	.95	763	1.14	.92	.93	1.11	.97	.98	1.15	.93	.86	1.04
Turret-lathe operators, hand (including hand-screw machine), class C.....	114	.77	58	.89	252	.97	(³)	(³)	1.03	.77	.93	.94	.80	.73	.89
Watchmen.....	122	.63	117	.71	92	.77	.60	.71	.70	.75	.76	.84	.68	.57	(³)
Working foremen, processing departments.....	383	1.19	349	1.20	559	1.27	1.16	1.20	1.42	1.23	1.21	1.24	1.04	1.20	1.35

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 70.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		New England		Great Lakes	
	Communities of—					
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Assemblers, class A.....	\$1.09	\$1.23	\$0.98	\$1.25	\$1.12	\$1.25
Assemblers, class B.....	.99	1.08	.97	1.16	1.02	1.09
Assemblers, class C.....	.83	1.00	(*)	.95	.84	1.04
Chippers and grinders.....	.89	.99	.78	1.06	.90	.96
Drill-press operators, radial, class A.....	1.10	1.28	1.01	1.20	1.18	1.32
Drill-press operators, radial, class B.....	.99	1.13	.85	1.14	1.06	1.14
Drill-press operators, single- and multiple-spindle, class A.....	1.02	1.23	.94	1.09	1.10	1.37
Drill-press operators, single- and multiple-spindle, class B.....	.90	1.03	.84	1.03	.96	1.05
Engine-lathe operators, class A.....	1.12	1.22	1.13	1.11	1.12	1.29
Engine-lathe operators, class B.....	.98	1.01	1.01	.95	.99	1.05
Engine-lathe operators, class C.....	.80	.86	(*)	.99	.82	.85
Grinding-machine operators, class A.....	1.14	1.34	1.11	1.22	1.17	1.42
Grinding-machine operators, class B.....	.98	1.15	.93	1.17	1.06	1.15
Grinding-machine operators, class C.....	.85	1.06	.75	.92	.92	1.10
Heat treaters, class A.....	1.06	1.19	1.04	1.11	1.07	1.25
Heat treaters, class B.....	.90	1.08	.92	1.00	.89	1.11
Inspectors, class A.....	1.02	1.27	.97	1.20	1.06	1.32
Inspectors, class B.....	.97	1.10	1.01	1.09	.95	1.12
Inspectors, class C.....	.81	.92	.77	.88	.87	.94
Janitors.....	.73	.78	.72	.71	.73	.85
Machinists, maintenance.....	1.07	1.21	.98	1.16	1.11	1.29
Machinists, production.....	1.19	1.11	1.31	1.08	1.13	1.24
Milling-machine operators, class A.....	1.11	1.25	1.10	1.15	1.12	1.33
Milling-machine operators, class B.....	.97	1.11	.89	1.07	1.07	1.13
Milling-machine operators, class C.....	.84	1.03	.70	1.12	.89	1.02
Tool-and-die makers.....	1.18	1.42	-----	1.29	1.19	1.50
Truckers, hand.....	.75	.84	.72	.75	.78	.89
Turret-lathe operators, hand (including hand-screw machine), class A.....	1.04	1.25	.96	1.21	1.15	1.29
Turret-lathe operators, hand (including hand-screw machine), class B.....	1.02	1.09	.99	1.08	1.07	1.10
Turret-lathe operators, hand (including hand-screw machine), class C.....	.79	.95	-----	1.01	.81	.94
Watchmen.....	.70	.69	.68	.67	.72	.77

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately; workers in the Pacific region were predominantly located in communities of 100,000 and over.

(*) Insufficient number of workers to justify presentation of an average.

TABLE 71.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool establishments, United States and selected regions, by unionization, January 1945

Occupation and grade	United States ²				Average hourly rates in—			
	Union establishments		Nonunion establishments		New England		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
Assemblers, class A	2,850	\$1.20	1,690	\$1.17	\$1.19	\$1.21	\$1.21	\$1.17
Assemblers, class B	2,407	1.08	1,629	1.03	1.07	1.17	1.09	1.03
Assemblers, class C	596	.94	702	1.00	1.00	.88	.94	1.07
Carpenters, maintenance	138	1.07	142	1.02	.98	1.03	1.14	1.02
Chippers and grinders	514	.95	298	.95	1.15	.96	.93	.95
Crane operators, electric bridge	290	.93	190	.89	.91	.86	.94	.90
Drill-press operators, radial, class A	459	1.22	318	1.24	1.06	1.18	1.27	1.32
Drill-press operators, radial, class B	531	1.05	384	1.12	.87	1.11	1.09	1.17
Drill-press operators, single- and multiple-spindle, class A	258	1.22	120	1.07	1.07	.98	1.41	1.13
Drill-press operators, single- and multiple-spindle, class B	378	1.02	216	.93	.97	.94	1.09	.95
Drill-press operators, single- and multiple-spindle, class C	147	.90	112	.79	.68	.93	.92	.79
Electricians, maintenance	374	1.13	138	1.13	.99	1.30	1.22	1.07
Engine-lathe operators, class A	1,019	1.23	819	1.18	1.14	1.08	1.26	1.21
Engine-lathe operators, class B	731	1.04	915	.97	.99	.98	1.08	1.01
Grinding-machine operators, class A	1,365	1.28	570	1.28	1.15	1.34	1.38	1.29
Grinding-machine operators, class B	971	1.05	465	1.12	.96	1.26	1.11	1.14
Grinding-machine operators, class C	237	.97	159	.92	.78	.91	1.04	.97
Guards	413	.82	305	.84	.71	.87	.85	.83
Heat treaters, class A	156	1.12	92	1.18	1.02	1.32	1.20	1.13
Heat treaters, class B	298	.98	108	1.03	.92	1.11	1.04	1.04
Inspectors, class A	787	1.16	478	1.17	1.01	1.09	1.31	1.09
Inspectors, class B	841	1.06	553	1.07	.97	1.24	1.14	.95
Inspectors, class C	237	.88	101	.86	.80	.95	.95	.82
Janitors	972	.78	441	.74	.70	.74	.85	.74
Machinists, maintenance	214	1.14	132	1.19	1.05	1.25	1.22	1.14
Machinists, production	275	1.23	670	1.10	1.31	1.05	1.14	1.16
Machine-tool operators, miscellaneous machines	178	1.25	283	1.01	1.05	1.05	1.34	1.07
Mechanics, maintenance	155	1.11	51	1.21	1.07	1.27	1.15	1.20
Milling-machine operators, class A	1,070	1.21	540	1.20	1.11	1.21	1.27	1.20
Milling-machine operators, class B	952	1.01	695	1.10	.90	1.08	1.07	1.16
Milling-machine operators, class C	251	1.01	258	.94	.74	1.08	1.04	.92
Millwrights	168	1.05	85	1.03	.97	1.09	1.18	1.01
Painters, finish	193	1.05	91	1.01	1.03	1.04	1.15	.99
Painters, rough	217	1.01	198	.90	(³)	.84	1.02	.95
Screw-machine operators, automatic, class A	153	1.37	86	1.30	1.14	1.44	1.47	1.29
Screw-machine operators, automatic, class B	115	1.29	56	1.03	(³)	(³)	1.31	1.05
Set-up men, machine tools	224	1.39	96	1.23	(³)	1.05	1.43	1.24
Stock clerks	567	.83	375	.85	.80	.91	.84	.81
Tool-and-die makers	743	1.35	660	1.36	1.24	1.34	1.38	1.36
Truck drivers	178	.90	99	.88	.81	.86	.95	.90
Truckers, hand	532	.82	118	.77	.74	.75	.87	.79
Truckers, power	212	.90	111	.97	.80	1.07	.95	.85
Turret-lathe operators, hand (including hand-screw machine), class A	1,319	1.15	472	1.18	1.02	1.18	1.25	1.20
Turret-lathe operators, hand (including hand-screw machine), class B	743	1.09	507	1.03	1.06	1.04	1.11	1.06
Turret-lathe operators, hand (including hand-screw machine), class C	244	.90	180	.90	.83	1.07	.91	.86
Watchmen	166	.73	165	.66	.68	.66	.78	.69
Welders, hand, class A	77	1.21	108	1.16	1.20	1.37	1.17	1.11
Working foremen, processing departments	686	1.29	605	1.16	1.33	1.15	1.28	1.17

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 72.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool establishments, United States and selected regions, by method of wage payment, January 1945

Occupation and grade	United States ²				Average hourly rates in—			
	Time workers		Incentive workers		New England		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers
Assemblers, class A.....	2,949	\$1.13	1,591	\$1.29	\$0.97	\$1.36	\$1.18	\$1.24
Assemblers, class B.....	2,473	.98	1,663	1.18	.89	1.22	1.03	1.15
Assemblers, class C.....	690	.81	608	1.16	.83	1.06	.81	1.17
Chippers and grinders.....	435	.88	377	1.03	.83	1.09	.88	1.00
Drill-press operators, radial, class A.....	333	1.09	444	1.33	.97	1.22	1.14	1.39
Drill-press operators, radial, class B.....	399	.96	516	1.18	.88	1.12	.99	1.19
Drill-press operators, radial, class C.....	62	.84	107	.91	(³)	.71	.83	.92
Drill-press operators, single- and multiple-spindle, class A.....	146	1.02	232	1.27	.93	1.08	1.06	1.48
Drill-press operators, single- and multiple-spindle, class B.....	311	.90	283	1.08	.85	1.03	.95	1.11
Drill-press operators, single- and multiple-spindle, class C.....	162	.78	97	.98	.83	.81	.78	1.02
Engine-lathe operators, class A.....	1,135	1.15	703	1.28	1.02	1.18	1.19	1.33
Engine-lathe operators, class B.....	992	.93	654	1.12	.89	1.04	.94	1.15
Engine-lathe operators, class C.....	308	.82	176	.90	.81	1.08	.82	.89
Grinding-machine operators, class A.....	983	1.24	952	1.31	1.00	1.26	1.34	1.36
Grinding-machine operators, class B.....	702	.98	734	1.16	.89	1.13	1.05	1.17
Grinding-machine operators, class C.....	174	.84	222	1.03	.81	.81	.87	1.13
Heat treaters, class A.....	203	1.08	45	1.41	1.02	1.44	1.12	1.39
Heat treaters, class B.....	291	.90	115	1.23	.91	1.20	.90	1.24
Milling-machine operators, class A.....	862	1.15	748	1.27	1.02	1.18	1.18	1.36
Milling-machine operators, class B.....	833	.94	814	1.16	.85	1.09	1.00	1.18
Milling-machine operators, class C.....	217	.80	292	1.10	.75	1.19	.82	1.09
Tool-and-die makers.....	1,204	1.33	199	1.50	1.31	1.20	1.33	1.60
Turret-lathe operators, hand (including hand-screw machine), class A.....	1,072	1.07	719	1.28	.93	1.23	1.16	1.33
Turret-lathe operators, hand (including hand-screw machine), class B.....	505	.97	745	1.13	.93	1.11	1.00	1.14
Turret-lathe operators, hand (including hand-screw machine), class C.....	195	.82	229	.97	.90	1.03	.82	.95

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately; workers in the Middle Atlantic and Pacific regions were predominantly paid on a time basis.³ Insufficient number of workers to justify presentation of an average.

TABLE 73.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Machine-Tool establishments, by wage area, January 1945

Occupation and grade	Bridgeport, Conn.	Chicago, Ill.	Cincinnati, Ohio	Cleveland, Ohio	Detroit, Mich.	New York, N. Y.	Rockford, Ill.	Worcester, Mass.
Assemblers, class A	\$1.54	\$1.19	\$1.09	\$1.27	\$1.49	\$1.24	\$1.06	\$1.16
Assemblers, class B	1.36	.98	1.02	1.12	1.22	1.02	.92	1.16
Assemblers, class C	1.04	.85	1.07	1.00	1.01	(?)	.79	.87
Carpenters, maintenance	1.30	(?)	1.12	1.23	1.23	(?)	.88	.95
Chippers and grinders	1.10	.83	.84	.92	1.11	(?)	.85	.89
Crane operators, electric bridge	(?)	(?)	.84	1.00	1.10	(?)	.81	.85
Drill-press operators, radial, class A	1.40	(?)	1.31	1.28	1.51	1.15	1.09	1.10
Drill-press operators, radial, class B	1.28	1.00	1.12	1.07	1.16	.98	1.00	.94
Drill-press operators, radial, class C	(?)	.84	.85	.97	(?)	(?)	(?)	(?)
Drill-press operators, single- and multiple-spindle, class A	1.21	-----	1.40	1.51	(?)	(?)	1.02	.84
Drill-press operators, single- and multiple-spindle, class B	(?)	.90	1.06	1.14	1.19	(?)	.90	.82
Drill-press operators, single- and multiple-spindle, class C	(?)	.82	.76	1.02	(?)	-----	.86	(?)
Electricians, maintenance	1.43	1.06	1.16	1.24	1.50	1.31	.93	1.01
Engine-lathe operators, class A	1.27	1.22	1.21	1.31	1.54	1.23	1.05	1.07
Engine-lathe operators, class B	1.16	1.02	1.00	1.19	1.30	1.02	.96	.89
Engine-lathe operators, class C	1.07	.86	.79	1.02	-----	(?)	.77	.80
Grinding-machine operators, class A	1.49	1.14	1.31	1.33	1.59	1.14	1.15	1.34
Grinding-machine operators, class B	1.45	.97	1.08	1.18	1.36	.94	1.01	1.10
Grinding-machine operators, class C	(?)	.83	.86	1.35	1.23	-----	.93	.91
Guards	1.08	(?)	.80	.95	(?)	.91	.71	.82
Heat treaters, class A	1.47	-----	1.16	1.28	1.43	(?)	.96	1.08
Heat treaters, class B	1.22	(?)	1.03	1.11	(?)	(?)	.77	1.02
Inspectors, class A	1.64	1.27	1.09	1.25	1.57	1.29	1.01	1.10
Inspectors, class B	1.44	.99	.96	1.12	1.26	1.04	.85	.95
Inspectors, class C	(?)	.86	.80	.95	(?)	-----	.75	.84
Janitors	.86	.72	.72	.90	.93	.78	.67	.72
Machinists, maintenance	1.46	1.12	-----	1.12	1.59	1.22	1.01	1.00
Machinists, production	1.09	(?)	-----	-----	1.54	1.26	1.01	1.05
Machine-tool operators, miscellaneous machines	(?)	(?)	-----	1.11	1.49	.95	.90	1.05
Mechanics, maintenance	1.32	(?)	(?)	1.27	1.43	1.21	.88	-----
Milling-machine operators, class A	1.45	1.16	1.29	1.32	1.50	1.10	1.05	1.14
Milling-machine operators, class B	1.27	.97	1.14	1.13	1.24	(?)	1.04	.97
Milling-machine operators, class C	1.19	.90	.90	.98	-----	(?)	.75	.82
Millwrights	1.54	-----	1.18	1.23	1.33	(?)	.83	.93
Painters, finish	(?)	.90	-----	(?)	1.32	1.10	.93	.99
Painters, rough	(?)	.82	.94	1.20	1.18	.97	.81	-----
Screw-machine operators, automatic, class A	(?)	(?)	1.27	1.70	(?)	(?)	1.11	1.25
Screw-machine operators, automatic, class B	(?)	(?)	1.03	1.48	(?)	(?)	.85	(?)
Set-up men, machine tools	1.05	1.09	1.24	1.49	(?)	1.33	1.02	-----
Stock clerks	1.05	.85	.74	.97	(?)	.83	.75	.85
Tool-and-die makers	1.47	1.35	1.50	1.47	1.65	1.32	1.14	1.13
Truck drivers	(?)	(?)	.78	.93	1.15	(?)	.80	.85
Truckers, hand	.75	(?)	.60	.93	1.06	(?)	.72	.75
Truckers, power	1.12	(?)	.85	.99	1.02	-----	.74	.95
Turret-lathe operators, hand (including hand-screw machine), class A	1.27	1.17	1.13	1.38	1.57	1.13	1.05	1.16
Turret-lathe operators, hand (including hand-screw machine), class B	1.25	1.01	1.02	1.22	1.29	1.04	1.07	.97
Turret-lathe operators, hand (including hand-screw machine), class C	1.24	.91	.84	1.09	(?)	(?)	.71	.83
Watchmen	(?)	.76	(?)	.84	(?)	(?)	.71	.71
Welders, hand, class A	(?)	(?)	(?)	1.21	(?)	(?)	1.04	1.33
Working foremen, processing departments	1.25	1.25	1.07	1.60	1.54	(?)	1.12	1.12

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Military Tanks

The study covered establishments primarily engaged in manufacturing or assembling complete military tanks. The scope of the industry corresponds to industry 1931 as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget.

In January 1945 the industry included 11 establishments employing 33,000 workers. Ten of these plants, accounting for over 95 percent of the employment in the industry in January 1945, were covered by the study.

TABLE 74.—Percentage distribution of plant workers in establishments manufacturing Military Tanks by straight-time average hourly earnings,¹ United States and Great Lakes region, January 1945

Average hourly earnings ¹	United States ²			Great Lakes
	All workers	Men	Women	All workers
Under 70.0 cents	0.1	0.1	0.1	0.1
70.0-74.9 cents .....	.3	.3	.1	(³)
75.0-79.9 cents	1.3	.9	3.1	1.4
80.0-84.9 cents	2.3	2.1	3.1	1.3
85.0-89.9 cents	4.6	2.8	13.7	5.3
90.0-94.9 cents	3.9	3.7	5.3	3.3
95.0-99.9 cents	5.6	4.7	9.8	4.7
100.0-104.9 cents	9.9	7.8	20.8	11.0
105.0-109.9 cents	10.4	9.9	12.6	10.0
110.0-114.9 cents	13.5	12.1	21.1	14.6
115.0-119.9 cents	11.0	12.6	2.6	12.5
120.0-124.9 cents	12.0	13.5	4.1	8.6
125.0-129.9 cents	10.4	11.9	3.0	11.3
130.0-134.9 cents	4.4	5.3	.2	4.3
135.0-139.9 cents	2.6	3.1	.1	2.9
140.0-144.9 cents	2.1	2.5	.1	2.4
145.0-149.9 cents	1.6	1.9	(³)	1.8
150.0-159.9 cents	2.2	2.6	.2	2.5
160.0-169.9 cents	1.1	1.3	(³)	1.2
170.0-179.9 cents .....	.3	.4	-----	.4
180.0-189.9 cents .....	.3	.3	(³)	.3
190.0 cents and over .....	.1	.2	-----	.1
Total	100.0	100.0	100.0	100.0
Number of workers	27,100	22,600	4,500	23,600
Average hourly earnings ¹	\$1.14	\$1.17	\$1.02	\$1.15

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to the Great Lakes region.

³ Less than 0.05 of 1 percent.

TABLE 75.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Military Tank establishments, United States and Great Lakes region, January 1945

Occupation, grade, and sex	United States		Great Lakes	Occupation, grade, and sex	United States		Great Lakes
	Number of workers	Average hourly rates	Average hourly rates		Number of workers	Average hourly rates	Average hourly rates
<i>Men</i>				<i>Men—Continued</i>			
Assemblers, class A.....	371	\$1.22	\$1.24	Shake-out men.....	45	\$1.07	\$1.07
Assemblers, class B.....	1,935	1.20	1.22	Sheet-metal workers, production.....	66	1.13	1.08
Assemblers, class C.....	561	1.07	1.10	Stock clerks.....	495	1.01	1.07
Automatic-lathe operators, class A.....	131	1.18	1.18	Testers, class C.....	27	1.07	1.07
Automatic-lathe operators, class B.....	46	1.19	1.19	Tool-and-die makers.....	289	1.49	1.49
Carpenters, maintenance.....	140	1.21	1.22	Truck drivers.....	65	1.04	1.05
Chippers and grinders.....	715	1.09	1.09	Truckers, hand.....	256	.97	.97
Coremakers, turn-over-draw-machine.....	99	1.12	1.12	Truckers, power.....	348	1.01	1.02
Crane operators, electric bridge.....	289	1.09	1.08	Turret-lathe operators, hand (including hand-screw machine), class A.....	21	1.27	(²)
Drill-press operators, radial, class A.....	96	1.11	1.08	Turret-lathe operators, hand (including hand-screw machine), class B.....	30	1.19	1.19
Drill-press operators, radial, class B.....	168	1.17	1.17	Turret-lathe operators, hand (including hand-screw machine), class C.....	23	1.14	1.14
Drill-press operators, single- and multiple-spindle, class B.....	175	1.15	1.15	Welders, hand, class A.....	1,063	1.33	1.35
Drill-press operators, single- and multiple-spindle, class C.....	164	1.12	1.12	Welders, hand, class B.....	1,338	1.27	1.27
Electricians, maintenance.....	274	1.28	1.28	Welders, machine, class A.....	370	1.20	1.15
Electricians, production.....	65	1.48	1.46	Welders, machine, class B.....	35	1.14	1.31
Engine-lathe operators, class C.....	68	1.16	1.16	Working foremen, processing departments.....	478	1.31	1.31
Grinding-machine operators, class B.....	330	1.20	1.23	<i>Women</i>			
Grinding-machine operators, class C.....	107	1.18	1.18	Assemblers, class B.....	46	1.10	1.12
Guards.....	226	.97	1.03	Assemblers, class C.....	257	1.03	1.04
Heat treaters, class B.....	59	1.06	1.06	Chippers and grinders.....	40	.98	.98
Inspectors, class A.....	196	1.35	1.38	Crane operators, electric bridge.....	22	1.10	1.10
Inspectors, class B.....	593	1.21	1.21	Drill-press operators, single- and multiple-spindle, class C.....	200	1.11	1.11
Inspectors, class C.....	233	1.11	1.11	Grinding-machine operators, class C.....	72	1.15	1.15
Janitors.....	340	.87	.88	Inspectors, class B.....	103	1.12	1.12
Lay-out men, class A.....	51	1.39	1.41	Inspectors, class C.....	463	1.11	1.11
Machine-tool operators, miscellaneous machines.....	444	1.33	1.35	Janitors.....	464	.88	.88
Machinists, maintenance.....	254	1.32	1.34	Machine-tool operators, miscellaneous machines.....	60	1.19	1.19
Machinists, production.....	167	1.36	1.37	Milling-machine operators, class C.....	62	1.11	1.11
Maintenance men, general utility.....	44	1.16	.96	Milling-machine operators, class B.....	142	1.04	1.04
Mechanics, maintenance.....	52	1.48	1.48	Polishing-and-buffing-machine operators.....	23	1.13	1.13
Milling-machine operators, class B.....	192	1.21	1.21	Punch-press operators, class B.....	23	1.13	1.13
Milling-machine operators, class C.....	93	1.12	1.12	Stock clerks.....	518	1.00	1.01
Millwrights.....	296	1.24	1.24	Truckers, hand.....	28	.93	.93
Molders, machine.....	83	1.17	1.17	Truckers, power.....	83	.99	.99
Painters, finish.....	90	1.22	1.24	Welders, hand, class A.....	91	1.23	1.26
Painters, rough.....	132	1.13	1.15	Welders, hand, class B.....	274	1.18	1.18
Polishing-and-buffing-machine operators.....	38	1.14	1.14				
Screw-machine operators, automatic, class C.....	26	1.24	1.24				
Set-up men, machine tools.....	191	1.31	1.31				

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Power Boilers

The study covered establishments with 8 or more workers primarily engaged in manufacturing power boilers, smokestacks, heavy storage tanks and pressure stills, plate work for assembly on the job, and similar boiler-shop products. The scope corresponds to industry 3364 as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget. Although the processes involved in manufacturing these products are also to be found in other estab-

lishments, such as locomotive shops and shipyards, which make boiler-shop products for use in their final products, such establishments were excluded from the survey.

A total of 271 establishments, employing 35,300 workers, were included in the study. The covered establishments accounted for 70 percent of the plants employing 8 or more workers and 80 percent of the employment in plants of this size in the industry in January 1945.

TABLE 76.—Percentage distribution of plant workers in Power Boiler establishments by straight-time average hourly earnings¹ and region, January 1945

Average hourly earnings ¹	United States			All workers in—								
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Moun-tain	Pacific
Under 50.0 cents.....	0.3	0.2	0.7	.....	0.1	0.6	1.4	(?)	0.1	0.8	0.4	(?)
50.0-54.9 cents.....	1.7	1.6	4.9	0.1	5.0	.8	5.7	0.1	.3	1.3	.2	.....
55.0-59.9 cents.....	1.3	1.2	3.0	.....	2.7	1.1	3.9	.3	.9	3.3	.....	.....
60.0-64.9 cents.....	3.5	3.3	8.2	4.2	4.4	4.1	14.0	.5	1.2	8.6	.7	0.1
65.0-69.9 cents.....	3.8	3.7	5.6	3.0	4.3	16.9	5.4	1.8	5.4	13.3	3.2	.1
70.0-74.9 cents.....	5.3	5.3	5.7	12.6	7.7	10.5	6.4	2.5	7.4	10.2	15.6	.1
75.0-79.9 cents.....	6.3	6.2	9.2	13.5	8.9	4.2	5.2	5.2	14.7	9.8	1.6	.6
80.0-84.9 cents.....	7.0	6.9	10.1	9.3	9.6	3.7	7.1	5.9	16.9	5.8	15.7	.6
85.0-89.9 cents.....	7.5	7.3	10.2	7.5	9.6	8.6	7.6	8.3	10.6	7.0	2.8	2.3
90.0-94.9 cents.....	8.7	8.4	11.5	8.2	10.4	6.6	4.4	9.7	10.6	5.7	20.1	6.0
95.0-99.9 cents.....	6.8	6.6	11.6	5.6	7.6	5.8	5.2	9.2	9.0	3.9	1.2	3.6
100.0-104.9 cents.....	9.3	9.1	10.3	5.2	6.4	7.3	6.3	12.0	8.7	10.3	7.5	10.1
105.0-109.9 cents.....	6.6	6.9	1.6	5.3	6.3	5.6	3.5	9.2	6.1	3.2	18.5	3.6
110.0-114.9 cents.....	7.2	7.2	4.8	11.9	4.9	3.8	5.2	8.5	4.2	5.1	6.5	9.6
115.0-119.9 cents.....	4.6	4.8	.....	4.6	2.3	1.5	4.1	7.8	1.5	5.0	1.7	3.0
120.0-124.9 cents.....	6.6	6.9	1.5	4.2	3.6	3.0	10.3	6.7	1.0	4.0	1.8	12.9
125.0-129.9 cents.....	6.0	6.3	.8	2.6	1.1	5.0	1.9	4.2	1.2	1.8	1.4	24.9
130.0-134.9 cents.....	1.9	2.0	.1	1.0	1.5	4.5	1.0	2.3	(?)	.2	.6	3.8
135.0-139.9 cents.....	2.4	2.5	.2	.2	1.4	1.6	.2	1.6	.....	(?)	.1	10.7
140.0-144.9 cents.....	1.1	1.2	(?) (?)	.3	.3	.7	.8	1.6	.2	.2	.1	2.5
145.0-149.9 cents.....	.4	.5	.....	.1	.2	1.3	.2	.4	.....	.3	.1	1.2
150.0-159.9 cents.....	.8	.9	.....	.1	.9	2.6	.1	.5	(?)	.1	.2	2.9
160.0-169.9 cents.....	.2	.3	.....	.1	.1	.2	(?)	.3	.....	.1	.....	.7
170.0-179.9 cents.....	.3	.3	.....	.....	.6	.....	.1	.5	.....	.....	.....	.3
180.0-189.9 cents.....	.1	.1	.....	.1	(?)	.....	.....	.2	.....	.....	.....	.2
190.0-199.9 cents.....	.1	.1	.....	.....	.....	.....	(?)	.3	.....	.....	.....	.....
200.0 cents and over.....	.2	.2	.....	.....	.1	.....	.....	.4	.....	.....	.....	.2
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	38,350	36,400	1,950	1,550	7,050	1,000	4,550	12,600	2,700	2,150	1,050	5,700
Average hourly earnings ¹	\$0.98	\$0.99	\$0.84	\$0.92	\$0.90	\$0.92	\$0.87	\$1.04	\$0.88	\$0.85	\$0.92	\$1.20

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

³ \$1.40 and over.

TABLE 77.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Power Boiler establishments, by region, January 1945

Occupation, grade, and sex	United States		Average hourly rates in—								
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Moun-tain	Pacific
<i>Men</i>											
Bending-roll operators.....	353	\$0.98	\$0.88	\$1.01	(²)	\$0.83	\$1.04	\$0.85	\$0.83	\$0.93	\$1.19
Boilermakers.....	1,117	1.11	1.00	1.04	\$1.14	1.09	1.09	1.05	1.14	1.12	1.26
Carpenters, maintenance.....	108	1.04	1.07	.98	(²)	.94	1.05	.90	.95	(²)	1.24
Chippers.....	570	.99	(²)	.93	1.02	.76	1.00	.77	.80	(²)	1.15
Crane operators, electric bridge.....	828	.94	.91	.85	.90	.86	.97	.88	.72	(²)	1.16
Drill-press operators, radial, class A.....	177	1.10	(²)	.97	(²)	(²)	1.21	(²)	(²)	-----	1.13
Drill-press operators, radial, class B.....	330	.96	(²)	.88	(²)	(²)	.99	(²)	.88	(²)	(²)
Drill-press operators, radial, class C.....	120	.80	-----	.78	(²)	(²)	.86	(²)	(²)	(²)	(²)
Electricians, maintenance.....	196	1.11	(²)	1.01	1.21	1.10	1.15	1.02	.99	(²)	1.28
Fitters, boiler shop.....	1,609	1.09	.89	1.00	1.27	1.04	1.10	.97	.96	1.04	1.22
Flame-cutting-machine operators.....	826	1.05	1.07	.96	.98	.97	1.04	.83	.94	.93	1.25
Guards.....	239	.71	(²)	.75	(²)	.59	.75	.71	.66	(²)	.87
Heat treaters, class A.....	52	1.16	(²)	(²)	-----	-----	1.13	(²)	-----	-----	1.32
Heat treaters, class B.....	48	1.00	-----	(²)	(²)	-----	.98	(²)	-----	-----	(²)
Inspectors, class A.....	216	1.18	(²)	1.11	-----	(²)	1.25	.96	(²)	-----	1.28
Inspectors, class B.....	136	1.00	-----	.98	(²)	-----	1.03	.92	(²)	(²)	(²)
Janitors.....	385	.72	(²)	.71	.71	.52	.79	.68	.61	.68	.87
Lay-out men, class A.....	511	1.24	1.24	1.23	1.18	-----	1.26	1.10	1.13	1.08	1.38
Lay-out men, class B.....	264	1.03	(²)	.96	(²)	1.04	1.04	1.01	.88	(²)	1.25
Machinists, maintenance.....	279	1.15	.95	1.06	1.27	1.11	1.17	1.04	1.06	1.05	1.31
Maintenance men, general utility.....	192	1.01	.93	1.01	.88	1.08	1.01	.91	.98	(²)	1.22
Painters, rough.....	376	.94	.91	.83	(²)	.81	1.08	.82	.74	.86	1.13
Power-shear operators, class A.....	191	1.05	(²)	1.01	(²)	1.07	1.11	.91	(²)	(²)	1.12
Power-shear operators, class B.....	233	.89	(²)	.89	(²)	.82	.91	.85	.70	.89	1.15
Riveters, hydraulic.....	52	1.04	(²)	.86	(²)	(²)	1.19	(²)	-----	-----	-----
Riveters, pneumatic.....	37	1.26	(²)	(²)	-----	(²)	1.67	(²)	-----	-----	(²)
Stock clerks.....	272	.83	(²)	.83	(²)	.77	.86	.79	.73	.79	1.10
Straightening-press operators.....	139	.04	-----	.97	(²)	(²)	1.08	(²)	.83	-----	1.24
Straightening-press helpers.....	99	.81	-----	.77	(²)	(²)	.90	-----	.68	-----	1.10
Testers, class A.....	39	1.14	-----	1.12	-----	(²)	1.18	(²)	(²)	-----	(²)
Testers, class B.....	153	.94	-----	.97	(²)	.87	.95	(²)	.87	(²)	(²)
Testers, class C.....	68	.88	(²)	.85	-----	(²)	.95	(²)	(²)	-----	(²)
Truck drivers.....	338	.85	.90	.83	(²)	.66	.91	.82	.71	.85	1.11
Watchmen.....	226	.64	.61	.66	.59	.56	.68	.57	.59	(²)	.78
Welders, hand, class A.....	4,414	1.18	1.09	1.14	1.23	1.15	1.21	1.04	1.11	1.05	1.30
Welders, hand, class B.....	1,986	1.02	.87	.99	1.26	.95	1.02	.88	.96	.83	1.22
Working foremen, processing departments.....	933	1.25	1.25	1.21	1.14	1.26	1.18	1.04	1.10	1.20	1.42
<i>Women</i>											
Crane operators, electric bridge.....	71	.77	-----	.67	-----	(²)	.92	(²)	.77	-----	(²)
Janitors.....	46	.71	-----	.70	-----	(²)	.79	.58	(²)	(²)	.83
Welders, hand, class A.....	110	1.17	-----	-----	-----	1.20	1.13	-----	-----	-----	1.25
Welders, hand, class B.....	210	.82	.82	.87	-----	-----	.95	.88	-----	(²)	1.03

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 78.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Power Boiler establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²				Middle Atlantic		Great Lakes		Southwest	
	Establishments with—									
	8-50 workers		51 or more workers		8-50 workers	51 or more workers	8-50 workers	51 or more workers	8-50 workers	51 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates					
Bending-roll operators.....	104	\$0.91	249	\$1.01	\$1.05	\$1.00	\$0.95	\$1.06	\$0.77	\$0.86
Boilermakers.....	482	1.13	635	1.10	1.09	.97	1.06	1.10	1.09	1.16
Chippers.....	31	.87	539	1.00	.92	.93	(³)	1.00	(³)	.77
Crane operators, electric bridge.....	36	.87	792	.95	(³)	.85	.89	.98	(³)	.83
Drill-press operators, radial, class B.....	37	.87	293	.97	.87	.88	(³)	.99	.84	(³)
Drill-press operators, radial, class C.....	22	.75	98	.81	.75	.78	(³)	.90	(³)	(³)
Flame-cutting-machine operators.....	146	1.06	680	1.05	1.05	.92	.98	1.05	.93	.94
Fitters, boiler shop.....	160	1.02	1,449	1.09	1.13	.98	1.02	1.10	.86	.99
Lay-out men, class A.....	121	1.27	390	1.23	1.34	1.18	1.23	1.27	(³)	1.14
Lay-out men, class B.....	41	1.06	223	1.03	(³)	.95	1.05	1.04	(³)	.83
Machinists, maintenance.....	15	.97	264	1.16	(³)	1.05	.84	1.19	(³)	1.11
Maintenance men, general utility.....	32	.96	160	1.02	1.03	1.00	1.00	1.01	1.01	.96
Painters, rough.....	39	.77	337	.96	.84	.83	(³)	1.10	(³)	.75
Power-shear operators, class B.....	45	.90	188	.88	1.02	.84	.90	.91	.63	.77
Truck drivers.....	86	.83	252	.86	.88	.81	.83	.94	.72	.69
Watchmen.....	45	.69	181	.65	.63	.66	(³)	.68	(³)	.68
Welders, hand, class A.....	757	1.16	3,657	1.19	1.16	1.13	1.11	1.22	1.05	1.13
Welders, hand, class B.....	312	1.03	1,674	1.02	1.11	.94	1.00	1.03	.90	.97
Working foremen, processing departments.....	193	1.31	740	1.23	1.34	1.14	1.22	1.17	1.12	1.10

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.TABLE 79.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Power Boiler establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		Middle Atlantic		Great Lakes	
	Communities of—					
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Bending-roll operators.....	\$0.86	\$1.01	\$0.91	\$1.10	\$1.01	\$1.04
Boilermakers.....	1.04	1.13	.91	1.15	1.02	1.14
Chippers.....	.94	1.01	.94	.92	.99	1.00
Crane operators.....	.84	.97	.83	.89	.90	.98
Drill-press operators, radial, class A.....	.98	1.13	.98	.95	-----	1.21
Drill-press operators, radial, class B.....	.86	1.00	.84	.92	.88	1.03
Drill-press operators, radial, class C.....	.74	.83	.76	.79	-----	.86
Electricians, maintenance.....	1.00	1.15	.93	1.16	1.11	1.16
Fitters, boiler shop.....	.95	1.12	.94	1.06	1.01	1.14
Flame-cutting-machine operators.....	.95	1.08	.94	.97	.97	1.07
Inspectors, class A.....	1.08	1.20	1.07	1.22	(³)	1.25
Janitors.....	.68	.73	.70	.71	.77	.79
Lay-out men, class A.....	1.16	1.26	1.21	1.24	1.17	1.28
Lay-out men, class B.....	.95	1.06	.94	1.00	.98	1.05
Machinists, maintenance.....	1.05	1.17	(³)	1.06	1.00	1.24
Maintenance men, general utility.....	1.03	1.01	1.00	1.01	(³)	1.00
Painters, rough.....	.82	.96	.82	.86	.84	1.12
Power-shear operators, class B.....	.73	.93	.75	.98	.82	.93
Straightening-press operators.....	.97	1.07	1.05	.93	1.04	1.11
Straightening-press helpers.....	.67	.88	.75	.79	-----	.90
Stock clerks.....	.79	.85	.80	.87	(³)	.86
Truck drivers.....	.72	.89	.80	.86	(³)	.91
Watchmen.....	.64	.64	.65	.66	.66	.68
Welders, hand, class A.....	1.12	1.20	1.11	1.17	1.12	1.22
Welders, hand, class B.....	.91	1.04	.90	1.08	.91	1.04
Working foremen, processing departments.....	1.23	1.25	1.13	1.24	1.15	1.18

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately; workers in the New England, Border States, Southeast, Middle West, Southwest, Mountain, and Pacific regions were predominantly located in communities of 100,000 and over.³ Insufficient number of workers to justify presentation of an average.

TABLE 80.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Power Boiler establishments, United States and selected regions, by unionization, January 1945

Occupation and grade	United States ²				Average hourly rates in—					
	Union establishments		Nonunion establishments		Middle Atlantic		Great Lakes		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
Bending-roll operators.....	208	\$1.04	145	\$0.90	\$1.02	\$0.99	\$1.06	\$0.97	\$0.17	(³)
Boilermakers.....	709	1.15	408	1.04	1.07	1.02	1.11	1.04	1.26	\$1.27
Chippers.....	449	1.00	121	.94	.92	.95	1.00	.98	1.14	1.23
Crane operators, electric bridge.....	724	.95	104	.89	.84	.88	.97	.97	1.15	(³)
Drill-press operators, radial, class A.....	121	1.06	56	1.18	.96	1.00	1.18	1.26	1.11	(³)
Drill-press operators, radial, class B.....	265	.96	65	.94	.86	.94	.99	1.01	(³)	1.32
Flame-cutting-machine operators.....	579	1.04	247	1.03	.96	.98	1.03	1.07	1.22	1.05
Fitters, boiler shop.....	1,287	1.12	322	.98	.99	1.02	1.12	1.02	1.24	1.05
Janitors.....	267	.73	118	.70	.71	.68	.80	.77	.87	.88
Lay-out men, class A.....	402	1.25	150	1.22	1.19	1.32	1.27	1.23	1.38	1.38
Lay-out men, class B.....	205	1.05	59	.98	.96	1.00	1.06	.98	1.25	(³)
Machinists, maintenance.....	192	1.12	87	1.22	1.05	1.10	1.10	1.27	1.32	1.29
Maintenance men, general utility.....	137	1.02	55	.98	1.00	1.03	1.05	.93	1.20	(³)
Painters, rough.....	265	.96	111	.89	.80	.92	1.11	1.00	1.16	1.06
Stock clerks.....	178	.85	94	.81	.82	.88	.90	.80	(³)	1.09
Testers, class B.....	99	.97	54	.90	1.00	.95	.97	.92	(³)	1.08
Truck drivers.....	226	.86	112	.84	.79	.90	.93	.86	1.13	(³)
Watchmen.....	149	.67	77	.59	.67	.63	.68	.64	.83	(³)
Welders, hand, class A.....	3,018	1.18	1,396	1.19	1.13	1.15	1.20	1.22	1.26	1.38
Welders, hand, class B.....	1,419	1.05	567	.94	.97	1.04	1.03	.99	1.22	(³)
Working foremen, processing departments.....	577	1.25	356	1.25	1.12	1.30	1.20	1.14	1.42	1.44

¹ Excludes premium pay for overtime and night work.³ Insufficient number of workers to justify presentation of an average.² Includes data for other regions in addition to those shown separately.TABLE 81.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Power Boiler establishments, by wage area, January 1945

Occupation and grade	Boston, Mass.	Buffalo, N. Y.	Chicago, Ill.	Denver, Colo.	Kansas City, Mo.	Los Angeles, Calif.	Milwaukee, Wis.	Oklahoma City, Okla.	Portland, Ore.	San Francisco, Calif.	Tulsa, Okla.	Youngstown, Ohio
Bending-roll operators.....	(²)	(²)	\$1.14	\$0.92	\$0.92	\$1.18	\$0.87	\$0.84	\$1.27	\$1.16	\$0.90	\$1.17
Boilermakers.....	\$1.08	\$1.08	1.17	1.12	1.04	1.26	.96	1.27	1.29	1.29	1.17	1.02
Chippers.....	(²)	(²)	.99	.80	1.12	1.07	.75	1.25	(²)	.78	1.02	1.02
Crane operators, electric bridge.....	(²)	.92	1.00	.81	.86	1.15	.99	.83	1.25	1.16	.82	.90
Electricians, maintenance.....			1.09	1.05	1.01	1.24	1.13	.94	(²)	(²)	(²)	(²)
Flame-cutting-machine operators.....	1.14	1.04	1.07	.93	.90	1.22	1.05	.88	1.26	1.40	.96	1.12
Fitters, boiler shop.....	.93	1.15	1.08	1.04	.98	1.18	(²)	.87	1.25	1.34	.86	1.20
Inspectors, class A.....	(²)		1.27		.95	1.28	1.16					1.20
Inspectors, class B.....			1.08	(²)	.97	(²)	.98	(²)				.96
Janitors.....	.73	(²)	.82	.67	.69	.84	.71	.63	1.00	(²)	.63	.76
Lay-out men, class A.....	1.21	1.30	1.32	1.09	1.17	1.36	1.17	1.12	1.37	1.45	1.25	1.29
Lay-out men, class B.....		(²)	.96	.92	1.04	1.21	.99	.81	(²)	(²)	.96	(²)
Machinists, maintenance.....	(²)		1.25	1.05	1.06	1.30	(²)		1.33	(²)	(²)	1.20
Maintenance men, general utility.....	(²)	(²)	.97	1.07	.92	1.18	.81	.97	1.26	(²)	.99	1.14
Painters, rough.....	(²)	(²)	1.12	.88	.83	1.08	1.02	.78	(²)	1.23	.75	1.67
Power-shear operators, class A.....	(²)	(²)	1.08	.98	.93	1.08	(²)		(²)	(²)	1.00	1.35
Power-shear operators, class B.....	(²)		.96	.89	.90	1.16	(²)		(²)	(²)	.80	.94
Stock clerks.....	(²)		.87	.76	.80	1.08	.81	.75	(²)	(²)	.81	.87
Truck drivers.....	.95	(²)	.97	.83	.83	1.06	.84	.72	1.12	1.18	.81	.82
Watchmen.....	(²)	(²)	.67		.58	(²)	.80	.60		.87	.56	.67
Welders, hand, class A.....	1.12	1.19	1.22	1.06	1.03	1.30	1.17	1.08	1.33	1.31	1.16	1.31
Welders, hand, class B.....	.94	1.47	1.02	.80	.94	1.14	1.01	.94	1.25	1.24	.98	1.00
Working foremen, processing departments.....	1.30	(²)	1.20	1.20	.99	1.39	1.03	1.08	1.42	1.51	1.14	1.28

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Radios

The study covered establishments with 8 or more workers primarily engaged in producing and/or assembling radios, radio parts and equipment (except tubes), and phonographs. The scope corresponds to part of industry 3661 as defined in the 1941 edition of the Standard Industrial Classification Manual issued by the Bureau of the Budget. The production of radio

receiving and transmitting tubes, and of phonograph records, included in this classification, was excluded from the study.

A total of 277 establishments, employing approximately 127,000 workers, were included in the study. The covered establishments accounted for 52 percent of the plants and 57 percent of the employment in the industry in January 1945.

TABLE 82.—Percentage distribution of plant workers in Radio, Radio Equipment (except Tubes), and Phonograph establishments, by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—					
	All workers	Men	Women	New England	Middle Atlantic	Border States	Great Lakes	Middle West	Pacific
Under 45.0 cents.....	0.1	(³)	0.1	0.1	0.1	-----	(³)	(³)	-----
45.0-47.4 cents.....	.1	(³)	.2	.2	.2	-----	0.1	-----	-----
47.5-49.9 cents.....	(³)	(³)	.1	.1	(³)	-----	(³)	-----	-----
50.0-52.4 cents.....	1.5	0.4	2.3	6.1	1.0	2.5	.4	-----	0.1
52.5-54.9 cents.....	.4	(³)	.6	.4	.3	.2	.5	-----	-----
55.0-57.4 cents.....	2.8	.6	4.4	6.4	2.7	3.6	2.0	0.4	.1
57.5-59.9 cents.....	1.2	.3	1.9	2.0	1.0	.3	1.5	-----	-----
60.0-62.4 cents.....	5.1	1.7	7.7	16.3	4.1	3.7	2.7	3.9	.4
62.5-64.9 cents.....	2.4	1.0	3.5	2.7	2.9	.8	2.1	.6	-----
65.0-67.4 cents.....	7.1	2.6	10.4	10.9	6.9	2.6	7.3	4.6	1.3
67.5-69.9 cents.....	4.0	1.1	6.1	1.9	5.2	.4	3.8	5.0	.1
70.0-72.4 cents.....	8.8	4.6	11.7	9.6	7.1	5.8	12.4	4.7	3.9
72.5-74.9 cents.....	4.2	2.2	5.7	1.1	5.0	.5	4.8	7.4	.9
75.0-77.4 cents.....	7.3	6.4	7.9	9.9	7.1	5.3	6.2	7.8	10.0
77.5-79.9 cents.....	3.2	2.5	3.6	.8	3.0	2.3	5.1	2.1	-----
80.0-84.9 cents.....	10.7	9.6	11.3	6.2	9.3	9.6	13.3	17.0	19.5
85.0-89.9 cents.....	7.4	8.2	6.8	6.3	7.2	9.9	6.6	12.6	16.0
90.0-94.9 cents.....	5.2	7.3	3.7	3.6	5.4	7.1	4.9	5.8	8.8
95.0-99.9 cents.....	5.3	6.8	4.2	3.6	6.0	6.0	4.6	6.8	6.8
100.0-104.9 cents.....	5.0	8.6	2.4	2.4	5.0	5.9	6.1	4.1	5.9
105.0-109.9 cents.....	3.3	5.4	1.7	2.0	3.5	4.5	3.1	3.0	4.2
110.0-114.9 cents.....	3.4	6.7	1.0	1.9	4.2	4.5	2.4	5.3	4.2
115.0-119.9 cents.....	2.4	4.6	.9	1.3	3.2	3.2	1.6	2.2	2.1
120.0-124.9 cents.....	1.9	3.3	.9	1.1	2.1	3.1	1.7	1.2	2.2
125.0-129.9 cents.....	2.5	5.8	.2	1.3	2.6	3.7	2.6	2.4	5.4
130.0-134.9 cents.....	.9	2.0	.2	.4	1.1	2.6	.6	.8	1.1
135.0-139.9 cents.....	1.1	2.3	.2	.4	1.2	2.6	.9	.7	2.1
140.0-144.9 cents.....	.6	1.3	.1	.3	.5	1.4	.9	.2	.9
145.0-149.9 cents.....	.5	1.1	.1	.2	.6	1.7	.3	.4	.6
150.0-159.9 cents.....	.8	1.7	.1	.4	.8	2.3	.5	.6	1.8
160.0-169.9 cents.....	.4	.9	(³)	.1	.4	1.7	.4	.4	.6
170.0-179.9 cents.....	.2	.5	(³)	(³)	.1	.4	.4	-----	.5
180.0-189.9 cents.....	.1	.2	(³)	(³)	.1	.5	(³)	-----	.2
190.0 cents and over.....	.1	.3	(³)	(³)	.1	1.3	.2	-----	.3
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	180,300	76,000	104,300	23,600	86,600	6,500	53,100	4,100	6,200
Average hourly earnings ¹	\$0.85	\$0.99	\$0.76	\$0.75	\$0.87	\$0.98	\$0.85	\$0.87	\$0.96

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Less than 0.05 of 1 percent.

TABLE 83.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—					
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	Great Lakes	Middle West	Pacific
<i>Men</i>								
Assemblers, class A.....	1,786	\$1.12	\$1.00	\$1.11	\$1.34	\$1.21	\$1.06	\$1.17
Assemblers, class B.....	2,519	1.00	.81	1.03	1.22	.94	.92	1.03
Assemblers, class C.....	2,550	.74	.72	.73	.78	.76	.78	.83
Carpenters, maintenance.....	744	1.15	1.07	1.12	1.21	1.28	1.08	1.25
Die setters.....	169	1.14	.95	1.26		1.04		
Drill-press operators, single- and multiple-spindle, class A.....	272	1.06	1.03	.98	(³)	1.12	.96	(³)
Drill-press operators, single- and multiple-spindle, class B.....	745	1.03	.86	1.10	1.14	.96	(³)	.92
Drill-press operators, single- and multiple-spindle, class C.....	618	.84	.75	.84	.72	.86	(³)	.91
Electricians, maintenance.....	705	1.14	1.05	1.13	1.28	1.16		(³)
Engine-lathe operators, class A.....	403	1.20	1.10	1.19	1.60	1.27	1.24	(³) 1.28
Engine-lathe operators, class B.....	337	1.02	.90	1.03	1.04	1.03	1.04	(³)
Grinding-machine operators, class A.....	187	1.15	1.13	1.14		(³)	1.05	(³)
Grinding-machine operators, class B.....	281	1.09	.85	1.08	(³)	1.15		(³)
Guards.....	2,109	.96	.85	.85	.95	.84	.90	.90
Inspectors, class A.....	1,475	1.24	1.07	1.27	1.28	1.24	1.15	1.29
Inspectors, class B.....	1,631	.99	.90	1.02	.93	1.03	.95	1.08
Inspectors, class C.....	909	.84	.66	.83	(³)	.85	.77	1.01
Janitors.....	2,255	.73	.69	.72	.77	.74	.78	.84
Machine-tool operators, miscellaneous machines.....	1,034	.99	.97	1.01	.96	.89	.95	1.13
Machinists, maintenance.....	512	1.21	1.07	1.21	1.35	1.23	(³)	1.38
Machinists, production.....	966	1.16	1.13	1.18	1.16	1.12	1.25	1.23
Maintenance men, general utility.....	525	.98	.82	1.01	.93	.95	1.10	1.13
Mechanics, maintenance.....	236	1.06	.95	1.06	1.20	1.07	1.08	1.25
Milling-machine operators, class A.....	289	1.17	1.08	1.15	(³)	1.27	1.07	1.29
Milling-machine operators, class B.....	273	1.00	.95	1.01	1.03	1.00	(³)	(³)
Milling-machine operators, class C.....	165	.86	.79	.82	(³)	1.02		(³)
Millwrights.....	241	1.13	1.05	1.10	(³)	1.21		
Painters, finish.....	415	1.12	1.02	1.14	1.41	1.04	1.33	(³)
Painters, rough.....	374	.90	.80	.86	(³)	.95	1.03	1.18
Platers.....	498	1.03	.83	1.06	1.29	.94	1.15	
Platers' helpers.....	129	.87	.73	.93	(³)	.66	(³)	
Punch-press operators, class A.....	275	1.11	.88	1.12	1.21	1.04	1.05	
Punch-press operators, class B.....	773	.88	.86	.87	.71	.90	(³)	
Screw-machine operators, automatic, class A.....	101	1.19	1.08	1.16	1.50	1.00	(³)	1.32
Screw-machine operators, automatic, class B.....	317	1.07	.96	1.08	(³)	1.04		
Set-up men, machine tools.....	845	1.16	.96	1.20	1.18	1.10	1.15	1.42
Sheet-metal-machine operators, miscellaneous machines.....	123	1.03	.98	1.10	1.27	.83		
Sheet-metal workers, production.....	216	1.08	1.08	1.09		(³)		(³)
Solderers.....	391	.84	.81	.88	(³)	.76	(³)	(³)
Stock clerks.....	2,429	.85	.75	.86	.95	.86	.92	.95
Testers, class A.....	1,571	1.24	1.06	1.18	1.33	1.38		1.27
Testers, class B.....	1,390	1.03	.83	1.01	1.09	1.14	(³)	1.11
Testers, class C.....	547	.77	.67	.75	(³)	.83	(³)	1.05
Tool-and-die makers.....	2,765	1.40	1.28	1.40	1.47	1.42	1.52	1.52
Truck drivers.....	536	.91	.82	.94	.98	.88	.88	.98
Truckers, hand.....	1,633	.80	.74	.81	.85	.81	.73	(³)
Turret-lathe operators, hand, class A.....	399	1.20	1.13	1.17	1.40	1.05	1.10	1.27
Turret-lathe operators, hand, class B.....	593	1.08	1.07	1.05	.91	1.11	1.04	(³)
Turret-lathe operators, hand, class C.....	256	.94	.91	.90	.81	1.10	(³)	
Watchmen.....	342	.71	.72	.72	(³)	.69		(³)
Welders, hand, class A.....	160	1.23	1.31	1.13	1.40	1.20	1.22	
Welders, hand, class B.....	213	1.06	(³)	1.05	(³)	1.08	.96	(³)
Winders, coil.....	281	.94	(³)	1.05		.82		
Wires, class A.....	395	.98	1.02	.93		1.23		
Wires, class B.....	663	1.05	.89	1.09	(³)	.98	(³)	(³)
Wires, class C.....	539	.73	.68	.73		.75	.74	
Working foremen, processing departments.....	3,717	1.20	1.10	1.20	1.27	1.19	1.18	1.32
<i>Women</i>								
Assemblers, class A.....	199	.94	(³)	(³)	1.01	(³)	.96	.99
Assemblers, class B.....	3,828	.82	.64	.98	.81	.83	.75	.85
Assemblers, class C.....	30,739	.73	.61	.74	.77	.73	.70	.79
Drill-press operators, single- and multiple-spindle, class B.....	301	.90	.76	.87	.77	.98	.81	(³)
Drill-press operators, single- and multiple-spindle, class C.....	1,365	.77	.66	.76	.85	.81	.71	.80
Inspectors, class B.....	2,278	.86	.71	.89	.84	.95	.90	.96
Inspectors, class C.....	9,452	.74	.63	.75	.81	.73	.79	.86
Janitors.....	494	.70	.64	.67	.78	.70	.69	.83
Painters, rough.....	233	.79	.67	.75	(³)	.88	(³)	
Punch-press operators, class B.....	863	.83	.71	.87	.87	.77	.68	
Solderers.....	6,517	.76	.67	.76	.67	.77	.72	.87
Stock clerks.....	731	.76	.62	.83	.75	.78	.82	.87
Testers, class B.....	1,136	.89	.73	.86	.99	.95	(³)	.96
Testers, class C.....	3,280	.74	.66	.76	.61	.76	.77	.86
Welders, machine, class B.....	271	.70	.64	.72	.94	.72		
Winders, coil.....	3,206	.80	.75	.83	.64	.79	(³)	.89
Wires, class B.....	1,896	.90	.81	.93	(³)	.79	.80	(³)
Wires, class C.....	5,027	.73	.63	.74		.74	.75	.84
Working foremen, processing departments.....	2,311	.91	.72	.88	.92	.96	.96	.96

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 84.—Average hourly wage rates (straight-time hourly earnings)¹ for workers in selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, by size of establishment, January 1945

Occupation, grade, and sex	United States ²						New England			Middle Atlantic			Great Lakes		
	Establishments with—														
	8-250 workers		251-500 workers		501 or more workers		8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates								
Men															
Assemblers, class A.....	385	\$1.15	199	\$0.99	1,202	\$1.13	\$1.10	\$1.07	\$1.00	\$1.11	\$1.00	\$1.14	\$1.25		\$1.19
Assemblers, class B.....	414	.92	344	.84	1,761	1.04	.77	.81	.82	.94	.83	1.10	.92	\$0.89	.96
Assemblers, class C.....	618	.72	704	.69	1,228	.78	.78	.79	.67	.71	.67	.80	.70	.71	.80
Carpenters, maintenance.....	77	1.10	68	1.30	599	1.14	1.04	1.15	1.04	1.05	1.20	1.12	1.16	1.51	1.23
Drill-press operators, single- and multiple-spindle, class A.....	67	1.01	14	(*)	191	1.09	(*)	.99	1.04	.98		.99	1.04		1.14
Drill-press operators, single- and multiple-spindle, class B.....	64	.83	22	.71	659	1.06	(*)	(*)	.90	.80		1.13	.91	(*)	.98
Drill-press operators, single- and multiple-spindle, class C.....	216	.72	49	.76	353	.93	(*)		(*)	.70	.75	.97	.75	.86	.92
Electricians, maintenance.....	26	1.15	37	1.07	642	1.14	(*)	1.12	1.04	1.11	1.10	1.13	1.20	.96	1.18
Engine-lathe operators, class A.....	161	1.18	57	1.33	185	1.18	1.07	(*)	1.11	1.16	1.36	1.12	1.29	(*)	1.26
Engine-lathe operators, class B.....	132	.96	67	1.11	138	1.02	.87	(*)	.92	.97	1.14	1.05	(*)	(*)	1.04
Guards.....	200	.79	175	.76	1,734	.88	.73	.80	.86	.77	.76	.86	.83	.75	.87
Inspectors, class A.....	70	1.15	67	1.11	1,338	1.26	1.13	1.05	1.07	1.12	1.16	1.28	(*)	1.11	1.26
Inspectors, class B.....	77	.94	96	.96	1,458	1.00	.87	.87	.90	.91	(*)	1.03	.97	.99	1.04
Inspectors, class C.....	165	.75	159	.82	585	.87	(*)	(*)	.58	.74	.78	.89	.78	.77	.88
Janitors.....	320	.70	160	.68	1,775	.74	.65	.72	.69	.68	.61	.73	.71	.70	.76
Machine-tool operators, miscellaneous machines.....	554	.98	214	.98	266	1.03	.96	(*)	(*)	.98	.98	1.11	.99	.93	.86
Machinists, maintenance.....	48	1.21	32	1.09	432	1.22	1.05	.99	1.10	1.24	1.28	1.20	1.21	1.12	1.27
Machinists, production.....	385	1.16	130	1.22	451	1.13	1.02	1.18	1.16	1.21	1.24	1.14	1.14	1.15	1.10
Maintenance men, general utility.....	168	1.04	81	.83	276	.98	.80	(*)	.81	1.07	.88	.93	1.02	.82	.96
Mechanics, maintenance.....	27	1.10	14	.98	195	1.06	(*)	(*)	.94	1.10	.93	1.08	1.09	(*)	1.07
Milling-machine operators, class A.....	54	1.15	13	(*)	222	1.17	1.07	(*)	1.11	1.08	(*)	1.15	(*)		1.27
Milling-machine operators, class B.....	108	.93	46	.93	119	1.09	.95	(*)	.95	.87	.99	1.12	.99		(*)
Painters, finish.....	73	1.00	23	.90	319	1.17	(*)	(*)	1.04	1.00	(*)	1.18	.99	.86	1.08
Painters, rough.....	74	.86	54	.88	246	.91	(*)	.88	.77	.85	.90	.85	.95	.85	.96
Platers.....	31	1.01	41	.82	426	1.05	(*)	(*)	.80	1.09	.83	1.08	(*)	.80	.97
Platers' helpers.....	21	.95	43	.66	65	.98	(*)	(*)	(*)	1.01	.69	1.06		.59	(*)
Punch-press operators, class A.....	36	.96	76	.96	163	1.20	(*)	(*)	(*)	.89	.98	1.25	1.01	(*)	(*)
Punch-press operators, class B.....	260	.79	122	.78	391	.97	.95	.87	.75	.74	.70	1.09	.86	.82	.93
Set-up men, machine tools.....	93	1.22	52	.99	700	1.17	(*)		.96	1.33	.98	1.20	1.12	.97	1.12
Sheet-metal workers, production.....	36	1.06	22	1.02	158	1.10	.96	1.02	1.15	1.13		1.08	(*)		(*)
Solderers.....	131	.82	53	.77	207	.86	1.10	(*)	.76	.79	.90	.97	.80	.68	.77
Stock clerks.....	276	.84	182	.81	1,971	.86	.74	.76	.75	.84	.80	.86	.81	.76	.89
Testers, class A.....	86	1.20	164	1.17	1,321	1.25	(*)	1.10	1.05	1.21	1.12	1.18	1.26	1.22	1.43
Testers, class B.....	86	.94	86	.93	1,218	1.04	(*)	.88	.82	.94	.90	1.02	.95	1.00	1.17
Testers, class C.....	98	.78	117	.81	332	.76	.80	(*)	.65	.75	.78	.74	.80	.83	.83
Tool-and-die makers.....	733	1.39	334	1.41	1,698	1.40	1.26	1.31	1.28	1.38	1.42	1.41	1.47	1.42	1.39
Truck drivers.....	136	.86	90	.87	320	.94	.83	.87	.81	.84	.87	1.00	.86	.81	.93
Truckers, hand.....	18	(*)	185	.67	1,430	.82	(*)	.65	.76	(*)	.64	.84	(*)	.71	.82
Turret-lathe operators, hand, class A.....	137	1.19	21	.96	241	1.22	(*)	(*)	1.16	1.19	(*)	1.16	(*)	(*)	(*)
Turret-lathe operators, hand, class B.....	76	.96	26	.94	491	1.10	1.08	(*)	(*)	.89	(*)	1.10	1.06	(*)	1.11
Turret-lathe operators, hand, class C.....	113	.94	37	.83	106	.97	(*)		.97	.91	.85	.90	1.16		1.06
Watchmen.....	149	.67	63	.68	130	.78	(*)	.76	.70	.65	.66	.78	.67	.65	.94
Welders, hand, class A.....	43	1.15	41	1.24	76	1.27	(*)	1.44	(*)	1.09	1.07	(*)	1.28	1.16	1.18
Welders, hand, class B.....	26	.87	6	(*)	181	1.09	(*)	(*)	(*)	.86		1.11	(*)	(*)	1.08
Winders, coil.....	60	.98	79	.74	142	1.05	(*)	(*)	(*)	1.04	.96	1.08	.74	.63	1.01
Writers, class A.....	38	1.07	45	.98	312	.97		.94	1.02	.98	1.00	.91	1.23		
Writers, class B.....	79	.88	76	.82	508	1.11	(*)	(*)	.89	.88	.81	1.17	.89	(*)	1.02
Writers, class C.....	148	.75	40	.72	351	.73	(*)	(*)	.67	.75	.71	.72	.72	(*)	.76
Working foremen, processing departments.....	674	1.24	528	1.14	2,515	1.20	1.24	1.08	1.06	1.24	1.13	1.19	1.12	1.11	1.21

See footnotes at end of table.

TABLE 84.—Average hourly wage rates (straight-time hourly earnings)¹ for workers in selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, by size of establishment, January 1945—Continued

Occupation, grade, and sex	United States ²						New England			Middle Atlantic			Great Lakes		
	Establishments with—														
	8-250 workers		251-500 workers		501 or more workers		8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers	8-250 workers	251-500 workers	501 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates								
<i>Women</i>															
Assemblers, class B.....	1,184	\$0.79	247	\$0.72	2,397	\$0.85	\$0.59	\$0.69	\$0.65	\$0.80	(³)	\$1.05	\$0.84	\$0.81	\$0.83
Assemblers, class C.....	5,456	.68	5,736	.69	19,547	.76	.56	.59	.62	.63	.67	.78	.70	.71	.75
Drill-press operators, single- and multiple-spindle, class B.....	46	.84	27	.65	228	.95	.78	(³)	.73	.88	-----	.87	(³)	-----	.99
Drill-press operators, single- and multiple-spindle, class C.....	567	.72	170	.72	628	.83	.62	(³)	.68	.71	\$0.76	.82	.75	.71	.91
Inspectors, class B.....	282	.87	231	.76	1,765	.87	(³)	.71	.71	.83	.87	.90	.82	.72	1.00
Inspectors, class O.....	721	.73	688	.71	8,043	.74	.66	.63	.63	.70	.66	.76	.74	.70	.73
Janitors.....	27	.69	36	.64	421	.70	(³)	(³)	.67	(³)	(³)	.67	(³)	.67	.70
Painters, rough.....	44	.75	18	(³)	171	.82	(³)	(³)	.65	.70	-----	.78	.84	.70	.92
Punch-press operators, class B.....	237	.76	129	.68	497	.90	.75	.73	.68	.75	.66	1.01	.77	.68	.80
Solderers.....	668	.71	707	.72	5,142	.77	(³)	.68	.66	.68	.49	.78	.74	.73	.79
Stock clerks.....	91	.70	53	.69	587	.77	.59	.70	.61	.74	(³)	.85	.66	.72	.81
Testers, class B.....	41	.88	80	.82	1,015	.90	-----	(³)	.72	.87	.72	.88	.88	1.00	.96
Testers, class C.....	341	.75	505	.71	2,434	.75	(³)	.58	.66	.81	.61	.76	.73	.77	.77
Welders, machine, class B.....	31	.66	1	(³)	239	.70	(³)	(³)	.64	.65	-----	.84	(³)	-----	.72
Winders, coil.....	755	.74	538	.72	1,913	.85	(³)	-----	.75	.68	.79	.90	.81	.68	.84
Wirers, class B.....	143	.79	420	.79	1,353	.95	(³)	-----	.81	.81	.81	.96	.76	.76	.97
Wirers, class C.....	1,119	.72	732	.69	3,126	.75	.61	.63	.63	.72	.72	.74	.72	.68	.79
Working foremen, processing departments.....	380	.92	331	.87	1,600	.92	(³)	.69	.73	.88	.85	.88	.90	.90	.99

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 85.—Average hourly wage rates (straight-time hourly earnings)¹ for workers in selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, by size of community, January 1945

Occupation, grade, and sex	United States ²		New England		Middle Atlantic		Border States		Great Lakes	
	Communities of—									
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
<i>Men</i>										
Assemblers, class A.....	\$1.11	\$1.12	(³)	\$1.00	\$1.03	\$1.11	(³)	\$1.36	\$1.13	\$1.34
Assemblers, class B.....	.92	1.01	\$0.74	.83	1.06	1.03	\$0.92	1.28	.93	.96
Assemblers, class C.....	.75	.74	.77	.70	.73	.73	.53	.87	.81	.76
Carpenters, maintenance.....	1.04	1.17	.88	1.10	1.10	1.12	(³)	1.23	1.05	1.36
Drill-press operators, single- and multiple-spindle, class A.....	1.11	1.03	(³)	1.06	(³)	.98	(³)	-----	1.14	1.09
Drill-press operators, single- and multiple-spindle, class B.....	.92	1.06	(³)	.87	(³)	1.10	(³)	1.25	.93	1.00
Drill-press operators, single- and multiple-spindle, class C.....	.83	.84	(³)	(³)	.72	.87	(³)	.75	.98	.83
Electricians, maintenance.....	1.01	1.15	(³) .89	1.09	1.07	1.13	(³)	1.28	1.01	1.23
Guards.....	.80	.87	(³)	.85	.79	.86	.67	1.08	.81	.86
Inspectors, class A.....	1.16	1.26	(³)	1.08	1.26	1.28	(³)	1.28	1.13	1.27
Inspectors, class B.....	.96	1.00	(³) .74	.81	1.12	1.02	(³)	.95	.99	1.05
Inspectors, class C.....	.81	.85	(³)	.64	(³)	.88	(³)	(³)	.81	.88
Janitors.....	.69	.74	.64	.70	.63	.72	.67	.79	.70	.76
Machinists, maintenance.....	1.06	1.23	.99	1.13	1.12	1.21	-----	1.35	1.11	1.26
Machinists, production.....	1.10	1.17	(³)	1.13	-----	1.13	-----	1.19	1.08	1.14
Mechanics, maintenance.....	1.02	1.07	-----	.95	1.03	1.07	1.14	1.19	1.08	1.14
Punch-press operators, class B.....	.78	.91	.82	.89	.67	.91	.71	1.20	.99	1.13
Solderers.....	.85	.83	(³)	.81	.90	.87	-----	(³)	.84	.92
Stock clerks.....	.81	.85	.67	.76	(³)	.86	.75	.96	.83	.75
Testers, class A.....	1.18	1.24	(³)	1.07	1.24	1.17	(³)	1.34	1.17	1.40
Testers, class B.....	.97	1.03	(³)	.83	1.03	1.01	-----	1.09	.88	1.16
Testers, class C.....	.74	.78	.67	.67	.63	.76	(³)	(³)	.80	.83
Tool-and-die makers.....	1.28	1.42	1.20	1.30	1.23	1.41	1.46	1.47	1.30	1.45
Truckers, hand.....	.81	.80	(³)	.75	.70	.82	-----	.85	.83	.78
Working foremen, processing departments.....	1.07	1.22	.98	1.13	1.19	1.20	1.22	1.30	1.06	1.26
<i>Women</i>										
Assemblers, class B.....	.74	.86	.61	.64	-----	.98	.66	.89	.79	.89
Assemblers, class C.....	.67	.74	.62	.60	.67	.75	.59	.87	.68	.75
Drill-press operators, single- and multiple-spindle, class C.....	.67	.78	(³)	.66	(³)	.77	(³)	.90	.67	.82
Inspectors, class B.....	.77	.87	.67	.71	(³)	.89	.81	.87	.78	.96
Inspectors, class C.....	.69	.75	.62	.63	.64	.76	.69	.85	.66	.76
Janitors.....	.65	.71	(³)	.65	(³)	.67	(³)	.79	.64	.72
Punch-press operators, class B.....	.69	.87	.71	.72	(³)	.90	(³)	.71	.69	.81
Solderers.....	.67	.77	.66	.67	-----	.76	(³)	.71	.67	.79
Stock clerks.....	.63	.78	.61	.62	(³)	.84	.59	.85	.65	.86
Testers, class B.....	.90	.89	(³)	.73	-----	.86	.76	1.01	.97	.95
Testers, class C.....	.70	.76	.63	.67	.71	.76	.59	(³)	.74	.77
Winders, coil.....	.73	.81	.72	.75	.64	.84	.59	(³)	.79	.79
Writers, class B.....	(³)	.90	(³)	.81	-----	.93	(³)	(³)	-----	.79
Writers, class C.....	.65	.74	.62	.63	-----	.74	-----	-----	.65	.76
Working foremen, processing departments.....	.81	.92	(³)	.72	(³)	.88	(³)	(³)	.81	.99

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 86.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, by unionization, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in —					
	Union establishments		Nonunion establishments		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
<i>Men</i>										
Assemblers, class A.....	1,551	\$1.12	235	\$1.12	\$1.00	\$1.01	\$1.10	\$1.23	\$1.22	\$1.14
Assemblers, class B.....	1,807	1.00	712	.99	.82	.79	.99	1.14	.96	.89
Assemblers, class C.....	1,865	.74	685	.74	.67	.78	.75	.67	.75	1.46
Carpenters, maintenance.....	633	1.13	111	1.27	1.04	1.14	1.10	1.34	1.23	1.47
Drill-press operators, single- and multiple-spindle, class A.....	198	1.09	74	.99	1.04	1.00	1.01	.94	1.14	1.04
Drill-press operators, single- and multiple-spindle, class B.....	441	.95	304	1.14	.88	(³)	.88	1.20	.98	.84
Drill-press operators, single- and multiple-spindle, class C.....	444	.89	174	.73	(³)	(³)	.86	.68	.90	.79
Electricians, maintenance.....	663	1.14	42	1.14	1.05	1.06	1.13	1.36	1.17	1.04
Engine-lathe operators, class A.....	291	1.22	112	1.15	1.10	1.11	1.20	1.16	1.29	1.21
Engine-lathe operators, class B.....	227	1.03	110	.98	.92	.88	1.05	1.00	1.04	(³)
Guards.....	1,567	.87	542	.82	.87	.80	.84	.88	.87	.78
Inspectors, class A.....	869	1.20	606	1.30	1.07	1.09	1.15	1.35	1.28	1.12
Inspectors, class B.....	1,439	.99	192	1.01	.90	.87	1.03	.92	1.03	1.06
Inspectors, class C.....	703	.84	206	.85	.58	.79	.84	.73	.85	.85
Janitors.....	1,774	.73	481	.75	.70	.68	.70	.83	.75	.72
Machine-tool operators, miscellaneous machines.....	471	1.01	563	.98	(³)	.97	1.03	.98	.86	.96
Machinists, maintenance.....	463	1.22	49	1.11	1.10	1.00	1.21	1.09	1.23	1.21
Machinists, production.....	576	1.15	390	1.17	1.15	1.09	1.17	1.21	1.09	1.20
Maintenance men, general utility.....	229	.96	296	.99	.79	.88	.96	1.06	.90	.97
Mechanics, maintenance.....	202	1.05	34	1.11	.94	1.02	1.08	.93	1.04	1.19
Milling-machine operators, class A.....	252	1.18	37	1.06	1.11	1.05	1.16	1.06	1.27	1.04
Milling-machine operators, class B.....	194	1.02	79	.95	.95	.95	1.02	.92	.90	1.00
Painters, finish.....	345	1.15	70	1.00	1.07	.90	1.16	1.02	1.05	1.00
Painters, rough.....	303	.91	71	.86	.78	.83	.87	.81	.95	.97
Punch-press operators, class A.....	174	1.08	101	1.14	(³)	(³)	1.04	1.25	(³)	1.00
Punch-press operators, class B.....	525	.94	248	.76	.87	.84	.95	.74	.93	.76
Set-up men, machine tools.....	764	1.16	81	1.22	.96	(³)	1.18	1.42	1.11	1.08
Sheet-metal-machine operators, miscellaneous machines.....	74	1.02	49	1.05	(³)	.93	.95	1.21	.81	(³)
Sheet-metal workers, production.....	168	1.08	48	1.08	1.15	.99	1.06	(³)	(³)	(³)
Solderers.....	266	.81	125	.90	.76	.94	.80	1.10	.78	.73
Stock clerks.....	1,874	.83	555	.92	.75	.82	.82	1.06	.82	.82
Testers, class A.....	957	1.17	614	1.35	1.06	1.07	1.13	1.30	1.24	1.48
Testers, class B.....	1,204	1.03	186	.99	.82	.84	1.01	.93	1.16	1.08
Testers, class C.....	435	.77	112	.80	.65	.81	.76	.64	.83	.82
Tool-and-die makers.....	2,137	1.41	628	1.39	1.29	1.27	1.41	1.39	1.40	1.46
Truck drivers.....	318	.90	218	.92	.81	.84	.91	.99	.91	.85
Truckers, hand.....	1,323	.80	310	.83	.77	.67	.78	1.06	.81	.79
Turret-lathe operators, hand, class A.....	270	1.20	129	1.18	1.16	1.11	1.16	1.21	(³)	(³)
Turret-lathe operators, hand, class B.....	552	1.08	41	1.04	(³)	1.10	1.05	1.11	1.11	1.04
Turret-lathe operators, hand, class C.....	147	.96	109	.90	.97	(³)	.86	.92	1.14	.95
Watchmen.....	245	.78	97	.66	.70	.74	.74	.61	.72	.64
Welders, hand, class A.....	125	1.22	35	1.27	1.20	1.40	1.14	(³)	1.20	1.20
Welders, hand, class B.....	186	1.08	27	.91	(³)	(³)	1.10	.87	1.07	(³)
Winders, coll.....	199	1.04	82	.92	(³)	.94	1.07	.91	.98	.66
Wires, class A.....	208	1.03	187	.92	1.02	.94	1.03	.90	1.03	1.23
Wires, class B.....	220	.87	443	1.14	.89	(³)	.81	1.16	1.03	.90
Wires, class C.....	455	.73	84	.76	.67	(³)	.72	.78	.76	.74
Working foremen, processing departments.....	2,462	1.17	1,225	1.26	1.08	1.14	1.18	1.26	1.13	1.29
<i>Women</i>										
Assemblers, class B.....	2,200	.82	1,628	.83	.68	.62	.87	1.05	.83	.82
Assemblers, class C.....	22,831	.74	7,908	.71	.62	.68	.75	.67	.73	.73
Drill-press operators, single- and multiple-spindle, class B.....	249	.94	52	.73	.73	.78	.88	(³)	.99	(³)
Drill-press operators, single- and multiple-spindle, class C.....	1,067	.79	298	.69	.68	.63	.78	.59	.88	.73
Inspectors, class B.....	1,441	.82	837	.92	.71	.71	.84	1.06	.96	.94
Inspectors, class C.....	7,999	.78	1,453	.76	.63	.64	.76	.67	.71	.77
Janitors.....	404	.69	80	.73	.68	.61	.67	(³)	.67	.76
Painters, rough.....	201	.81	32	.69	.67	.68	.77	.68	.89	(³)
Punch-press operators, class B.....	411	.90	452	.84	.68	.75	.82	.96	.83	.72
Solderers.....	4,644	.74	1,873	.81	.66	.68	.76	1.06	.73	.81
Stock clerks.....	420	.69	311	.85	.61	.65	.72	.96	.71	.83
Testers, class B.....	1,058	.89	78	.94	.72	.81	.86	.88	.94	1.07
Testers, class C.....	2,698	.75	582	.73	.66	.60	.76	.70	.76	.76
Winders, coll.....	2,385	.82	821	.74	.77	.61	.84	.70	.82	.76
Wires, class B.....	985	.81	911	1.00	.81	(³)	.81	1.04	.79	.76
Wires, class C.....	3,301	.73	1,726	.74	.63	.62	.73	.76	.74	.74
Working foremen, processing departments.....	1,469	.87	842	1.00	.72	.73	.88	.85	.86	1.06

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 87.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		Middle Atlantic		Border States		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Assemblers, class A.....	1,509	\$1.09	277	\$1.28	\$1.09	\$1.39	\$1.07	\$1.69	\$1.25	\$1.17
Assemblers, class B.....	1,898	.94	621	1.16	1.00	1.18	.91	1.29	.92	1.00
Assemblers, class C.....	2,192	.72	358	.87	.70	.89	.61	.94	.75	.79
Drill-press operators, single- and multiple-spindle, class C.....	475	.78	143	1.03	.73	1.05	(³)	.75	.84	1.15
Grinder-machine operators, class B.....	140	1.02	141	1.16	.95	1.17	(³)	(³)	1.19	1.09
Inspectors, class A.....	1,329	1.24	146	1.31	1.27	1.41	1.05	1.36	1.25	1.14
Inspectors, class B.....	1,425	.97	206	1.12	.99	1.13	.89	(³)	1.02	1.11
Inspectors, class C.....	738	.82	171	.95	.78	.98	(³)	.84	.84	.92
Platers.....	300	1.00	198	1.07	1.11	1.02	1.12	1.49	.88	1.16
Platers' helpers.....	80	.71	49	1.13	.71	1.13	(³)	(³)	.66	
Punch-press operators, class A.....	181	1.07	94	1.16	1.12	1.10	(³)	1.31	1.00	(³)
Punch-press operators, class B.....	545	.82	228	1.02	.74	1.09	.71	.89	.89	.96
Solderers.....	326	.82	65	.93	.88	.86	(³)	.75	.75	.86
Testers, class A.....	1,211	1.17	360	1.47	1.17	1.26	1.14	1.38	1.24	1.57
Testers, class B.....	1,262	1.02	128	1.10	1.01	1.06	1.00	1.10	1.14	1.12
Testers, class C.....	524	.76	23	.97	.72	.99	(³)	(³)	.83	
Turret-lathe operators, hand, class A.....	328	1.14	71	1.43	1.15	1.35	.81	1.58	(³)	(³)
Turret-lathe operators, hand, class B.....	338	1.04	255	1.12	.97	1.29	.92	.91	1.16	1.08
Turret-lathe operators, hand, class C.....	187	.88	69	1.09	.90		(³)	(³)	.91	1.17
Welders, hand, class B.....	123	.98	90	1.17	.95	1.26	(³)	(³)	1.05	1.10
Winders, coil.....	162	.83	119	1.10	.91	1.11			.79	1.06
<i>Women</i>										
Assemblers, class B.....	3,580	.81	248	.99	.97	1.05	.74	.92	.82	.98
Assemblers, class C.....	18,153	.68	12,586	.81	.66	.80	.60	.89	.70	.81
Drill-press operators, single- and multiple spindle, class C.....	1,108	.75	257	.84	.75	.83	.62	.92	.80	.86
Inspectors, class B.....	1,947	.83	331	1.00	.89	.81	.84	(³)	.89	1.02
Inspectors, class C.....	6,848	.70	2,604	.83	.70	.83	.79	.87	.71	.84
Punch-press operators, class B.....	548	.82	315	.84	.90	.89	(³)	.91	.73	.83
Solderers.....	3,383	.72	3,134	.80	.79	.75	.64	(³)	.72	.86
Testers, class B.....	865	.88	271	.91	.86	.89	.90	1.08	1.03	.83
Testers, class C.....	2,657	.73	623	.81	.72	.83	.61	(³)	.76	.69
Winders, coil.....	1,883	.73	1,323	.90	.72	.93	.64		.74	.88

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 88.—Average hourly wage rates (straight-time hourly earnings) ¹ for selected plant occupations in Radio, Radio Equipment (except Tubes), and Phonograph establishments, by wage area, January 1945

Occupation, grade and sex	Balti- more, Md.	Boston, Mass.	Bridge- port, Conn.	Chicago, Ill.	Cleve- land, Ohio	Los Angeles, Calif.	Newark, N. J.	New York, N. Y.	Phila- delphia, Pa.	San Fran- cisco, Calif.
Men										
Assemblers, class A.....	\$1.37	\$1.00	\$1.07	\$1.16	\$1.20	\$1.13	\$1.06	\$1.08	\$1.17	\$1.24
Assemblers, class B.....	1.29	.81	.94	.91	1.14	1.04	.96	.90	1.19	1.06
Assemblers, class C.....	.93	.65	.74	.74	.83	.83	.71	.71	.83	(²)
Carpenters, maintenance.....	1.23	1.12	1.03	1.42	-----	1.16	1.12	1.13	1.07	1.51
Drill-press operators, single- and multiple-spindle, class A.....	-----	1.03	-----	1.04	-----	(²)	-----	.96	(²)	-----
Drill-press operators, single- and multiple-spindle, class B.....	1.25	.88	-----	.89	-----	(²)	1.05	.81	-----	(²)
Drill-press operators, single- and multiple-spindle, class C.....	.75	-----	-----	.75	1.16	(²)	.78	.76	1.05	.94
Electricians, maintenance.....	1.28	1.07	1.18	1.11	-----	-----	1.11	1.09	1.13	(²)
Engine-lathe operators, class A.....	1.60	1.09	-----	1.22	-----	(²)	1.18	1.23	1.35	1.38
Engine-lathe operators, class B.....	1.08	.88	(²)	(²)	(²)	(²)	.99	1.04	1.22	-----
Guards.....	1.10	.86	.81	.81	.80	.83	.80	.82	.80	1.00
Inspectors, class A.....	1.28	1.07	1.08	1.11	-----	1.24	1.16	1.33	1.14	1.39
Inspectors, class B.....	.95	.91	.85	1.01	-----	1.05	.90	1.03	1.03	1.19
Inspectors, class C.....	.80	.59	(²)	.84	1.00	1.01	(²)	.74	.97	-----
Janitors.....	.81	.71	.64	.74	.75	.81	.69	.68	.72	.92
Machine-tool operators, miscellaneous machines.....	-----	.95	1.15	-----	-----	1.06	1.08	1.02	1.06	1.26
Machinists, maintenance.....	1.37	1.11	1.15	1.28	-----	(²)	1.24	1.29	1.22	1.39
Machinists, production.....	1.25	1.15	.87	1.13	(²)	1.20	(²)	1.31	-----	1.31
Maintenance men, general utility.....	-----	.82	.74	.97	1.12	(²)	.95	1.02	.95	-----
Mechanics, maintenance.....	1.20	.95	(²)	1.10	-----	(²)	(²)	1.00	1.16	-----
Milling-machine operators, class A.....	1.34	1.10	-----	-----	-----	(²)	(²)	1.10	1.28	1.33
Milling-machine operators, class B.....	1.13	(²)	-----	1.03	-----	(²)	(²)	.90	1.53	(²)
Painters, finish.....	1.45	1.02	(²)	1.00	1.05	(²)	1.09	1.17	1.16	-----
Painters, rough.....	1.13	.78	.78	.84	.98	-----	.86	.79	(²)	1.18
Punch-press operators, class A.....	1.31	.87	-----	1.00	(²)	-----	.94	1.24	-----	-----
Punch-press operators, class B.....	-----	.78	.98	.84	1.06	-----	.80	.79	1.15	-----
Set-up men, machine tools.....	1.21	.88	(²)	1.08	(²)	(²)	1.31	1.24	1.18	(²)
Sheet-metal workers, production.....	-----	1.13	.95	-----	-----	-----	(²)	1.07	1.09	-----
Solderers.....	1.39	.83	.71	.74	.98	(²)	.80	(²)	-----	-----
Stock clerks.....	.97	.76	.72	.84	(²)	.94	.77	.80	.86	.99
Testers, class A.....	1.34	1.06	1.19	1.41	-----	1.28	(²)	1.14	1.10	1.25
Testers, class B.....	1.09	.83	.84	1.15	-----	1.13	.89	.94	.95	1.08
Testers, class C.....	(²)	.67	-----	.82	-----	(²)	.74	.77	-----	(²)
Tool-and-die makers.....	1.48	1.29	1.38	1.47	1.50	1.43	1.37	1.40	1.43	1.58
Truck drivers.....	1.01	.83	(²)	.85	.98	.97	.92	1.01	.95	1.02
Truckers, hand.....	.85	.75	.75	.78	-----	-----	.66	.87	.81	(²)
Turret-lathe operators, hand, class A.....	1.68	1.12	(²)	(²)	-----	1.25	1.24	1.16	-----	(²)
Turret-lathe operators, hand, class B.....	.91	1.00	(²)	(²)	1.08	(²)	1.00	.92	1.31	(²)
Turret-lathe operators, hand, class C.....	.90	(²)	-----	.91	1.16	-----	.96	.85	.96	-----
Watchmen.....	-----	.82	(²)	.65	.66	(²)	.76	.62	(²)	(²)
Winders, coil.....	.79	-----	-----	.70	.89	-----	1.07	.98	1.05	-----
Wires, class A.....	-----	1.02	-----	1.29	-----	-----	.98	.90	1.05	-----
Wires, class B.....	-----	.89	-----	.95	-----	-----	.82	.82	-----	-----
Wires, class C.....	-----	.68	-----	.76	-----	-----	.71	.72	-----	-----
Working foremen, processing departments.....	1.29	1.13	1.25	1.27	(²)	1.27	1.12	1.28	1.12	1.54
Women										
Assemblers, class B.....	.95	.63	-----	.91	.80	.83	.81	.87	.93	.90
Assemblers, class C.....	.90	.59	.66	.75	.76	.80	.70	.70	.77	.77
Drill-press operators, single- and multiple-spindle, class B.....	1.01	.72	-----	(²)	-----	(²)	-----	.87	(²)	-----
Drill-press operators, single- and multiple-spindle, class C.....	.91	.62	.66	.75	.75	.79	.77	.77	.79	(²)
Inspectors, class B.....	.91	.72	.81	.98	(²)	.95	.87	.81	.84	1.04
Inspectors, class C.....	.85	.62	.70	.78	.78	.86	.71	.73	.74	.88
Janitors.....	.79	.66	(²)	.74	-----	(²)	(²)	.72	.66	(²)
Painters, rough.....	(²)	.61	-----	.81	-----	-----	.70	.92	-----	-----
Punch-press operators, class B.....	.91	-----	-----	.79	.84	-----	.72	.96	1.07	-----
Solderers.....	(²)	.62	.68	.80	.79	(²)	.72	.81	.74	-----
Stock clerks.....	.88	.61	(²)	.87	-----	.87	.74	.74	(²)	.91
Testers, class B.....	1.02	.76	(²)	1.06	-----	(²)	.81	.96	.81	.97
Testers, class C.....	.85	.67	-----	.78	.79	(²)	.72	.88	.78	(²)
Welders, machine, class B.....	.94	.64	-----	.80	(²)	-----	.67	.83	-----	-----
Winders, coil.....	(²)	.74	-----	.79	.77	.89	.78	.91	.80	-----
Wires, class B.....	-----	.83	-----	.78	-----	(²)	.84	.80	-----	-----
Wires, class C.....	-----	.63	.68	.76	.90	.85	.61	.73	.75	-----
Working foremen, processing departments.....	.90	.72	.79	1.05	.86	.99	.83	1.02	.80	1.04

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Sheet Metal

The sheet-metal industry covered in this study consists of establishments normally engaged in the manufacture of such products as cornices, ventilators, gutters, skylights, pipes and elbows for stoves, heat and air ducts, light tanks, vats, and furnace casings. Fabrication performed by building contractors at the site of construction was not included in the study. The scope of the study corresponds to industry classification 3495 of the

Standard Industrial Classification Manual (1942 edition) as issued by the Bureau of the Budget.

A total of 385 establishments were studied. These establishments comprised nearly three-fifths of the industry's estimated 660 plants with 8 or more workers. Total employment in the plants studied was 20,000, constituting about two-thirds of the estimated 30,950 wage earners in this segment of the industry.

TABLE 89.—Percentage distribution of plant workers in Sheet-Metal establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States			All workers in—							
	All workers	Men	Women	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Pacific
Under 45.0 cents.....	0.6	0.3	2.7	0.1	0.3	-----	0.7	0.2	0.4	5.5	-----
45.0-49.9 cents.....	1.1	.3	5.9	.1	(?)	.1	7.6	.4	1.4	.1	-----
50.0-54.9 cents.....	3.4	2.5	9.1	1.6	.6	-----	20.9	.8	5.3	3.1	-----
55.0-59.9 cents.....	4.0	2.8	12.0	.7	1.1	.2	18.0	1.9	10.0	5.5	0.1
60.0-64.9 cents.....	4.9	3.5	13.6	3.5	3.2	1.2	10.9	4.9	7.1	12.7	.3
65.0-69.9 cents.....	5.9	4.8	12.8	3.9	4.4	2.1	10.0	4.7	15.4	13.6	.7
70.0-74.9 cents.....	6.9	5.7	14.1	5.4	5.6	11.4	7.5	11.9	8.6	3.7	.3
75.0-79.9 cents.....	6.2	6.0	6.6	8.4	5.3	6.7	5.5	8.7	6.8	9.4	1.2
80.0-84.9 cents.....	5.5	5.7	4.2	8.2	6.3	3.4	3.0	7.9	9.6	3.0	.6
85.0-89.9 cents.....	4.5	4.7	3.4	6.9	4.8	3.3	1.3	5.8	6.4	7.0	1.9
90.0-94.9 cents.....	4.5	5.0	1.2	6.1	6.1	4.5	2.3	6.3	4.6	3.2	1.5
95.0-99.9 cents.....	2.8	2.8	2.7	3.8	2.5	1.3	.8	3.9	3.2	1.7	2.8
100.0-104.9 cents.....	5.5	5.9	2.6	6.9	6.2	4.6	2.6	7.4	2.4	3.6	5.6
105.0-109.9 cents.....	2.1	2.1	2.2	3.5	1.4	.6	.3	3.0	1.1	.8	3.2
110.0-114.9 cents.....	3.7	4.0	1.9	4.9	4.3	.7	2.0	3.8	1.6	2.3	5.8
115.0-119.9 cents.....	2.5	2.6	1.8	3.4	3.0	3.1	.1	2.8	.6	2.0	3.4
120.0-124.9 cents.....	3.6	4.0	1.0	2.5	3.9	27.5	1.0	2.3	.2	2.3	4.8
125.0-129.9 cents.....	3.8	4.4	.2	2.7	3.5	6.8	2.0	4.2	3.2	2.5	5.2
130.0-134.9 cents.....	2.3	2.4	1.3	1.8	2.3	1.2	.3	1.7	.5	4.9	4.6
135.0-139.9 cents.....	2.6	3.0	.3	1.3	2.0	1.0	.3	4.0	1.3	5.5	3.2
140.0-144.9 cents.....	4.7	5.4	.2	5.0	1.8	10.1	1.4	3.1	.2	1.0	14.2
145.0-149.9 cents.....	.8	1.0	-----	-----	1.3	-----	(?)	1.1	-----	.6	1.5
150.0-159.9 cents.....	7.7	8.8	.1	8.2	1.0	2.9	1.2	4.3	3.9	3.6	27.3
160.0-169.9 cents.....	3.7	4.3	.1	9.5	2.6	1.8	.1	1.0	5.7	1.4	8.9
170.0-179.9 cents.....	2.7	3.2	-----	.9	7.0	3.3	.1	3.1	.5	.6	2.0
180.0-189.9 cents.....	.4	.5	-----	.7	.6	.9	.1	.3	-----	.2	.7
190.0-199.9 cents.....	.2	.2	-----	-----	.7	-----	-----	.3	(?)	.1	-----
200.0-209.9 cents.....	3.3	3.9	-----	-----	17.6	.5	-----	.1	-----	.1	.2
210.0 cents and over.....	.1	.2	-----	-----	.6	.5	-----	.1	-----	-----	-----
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	28,050	24,275	3,775	1,975	5,225	925	3,075	7,400	2,500	1,800	5,150
Average hourly earnings¹.....	\$1.06	\$1.12	\$0.71	\$1.07	\$1.24	\$1.13	\$0.68	\$0.99	\$0.85	\$0.88	\$1.35

¹ Excludes premium pay for overtime and night work.

² Less than 0.05 of 1 percent.

TABLE 90.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Sheet-Metal establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States		Average hourly rates in—							
	Number of workers	Average hourly rates	New England	Middle Atlantic	Border States	South-east	Great Lakes	Middle West	South-west	Pacific
<i>Men</i>										
Acid dippers.....	71	\$0.88	(?)	\$0.75	(?)	\$0.63	\$1.22	\$0.72	(?)	-----
Assemblers, class B.....	107	.97	\$1.10	-----	-----	.59	1.04	-----	(?)	-----
Assemblers, class C.....	92	.68	-----	.73	-----	.60	.76	-----	-----	-----
Carpenters, maintenance.....	99	1.15	1.14	1.41	-----	.97	.97	(?)	(?)	\$1.38
Die setters.....	98	.97	(?)	1.05	(?)	.87	1.00	.95	(?)	-----
Electricians, maintenance.....	34	1.15	(?)	(?)	-----	.93	.99	1.12	-----	1.48
Forming-machine operators, power.....	206	1.08	(?)	1.59	(?)	.75	.91	(?)	(?)	1.43
Guards.....	57	.62	(?)	.68	(?)	.57	.63	(?)	(?)	-----
Inspectors, class A.....	59	.93	(?)	(?)	(?)	.81	1.05	(?)	-----	-----
Inspectors, class B.....	76	1.00	(?)	(?)	-----	.73	.87	(?)	(?)	1.40
Inspectors, class C.....	68	.72	(?)	(?)	-----	.54	.65	.69	-----	(?)
Janitors.....	214	.66	.66	.65	(?)	.52	.71	.59	\$0.58	.87
Lay-out men, class A.....	279	1.46	1.32	1.80	\$1.43	(?)	1.25	1.16	(?)	1.52
Lay-out men, class B.....	58	1.05	(?)	.99	(?)	(?)	1.05	(?)	.97	1.30
Maintenance men, general utility.....	183	1.00	1.03	1.10	-----	.81	1.01	.92	1.03	1.48
Mechanics, maintenance.....	76	1.06	.98	1.07	(?)	.96	.97	.85	(?)	1.37
Power-brake operators, class A.....	196	1.21	(?)	1.18	(?)	(?)	1.15	(?)	-----	1.40
Power-brake operators, class B.....	151	.86	.85	.85	(?)	(?)	.90	.73	(?)	1.13
Power-shear operators, class A.....	213	1.25	(?)	1.31	(?)	.91	1.13	(?)	(?)	1.41
Power-shear operators, class B.....	260	.84	.79	.89	(?)	.66	.82	.77	(?)	1.26
Punch-press operators, class A.....	306	1.10	.96	1.10	-----	.79	1.04	.87	(?)	1.42
Punch-press operators, class B.....	655	.79	.81	.83	.73	.68	.87	.67	.72	(?)
Sheet-metal-machine operators, miscellaneous machines.....	1,639	1.12	.82	1.23	.95	.64	1.01	.77	.96	1.37
Sheet-metal workers, production.....	5,376	1.48	1.31	1.71	1.29	1.15	1.39	1.47	1.32	1.52
Stock clerks.....	136	.87	(?)	.93	(?)	.69	.84	(?)	(?)	1.06
Tool-and-die makers.....	274	1.36	1.23	1.41	(?)	1.24	1.23	1.46	(?)	1.55
Truck drivers.....	355	.88	.86	.95	.90	.60	.87	.78	.68	1.06
Truckers, hand.....	242	.66	.73	.74	.71	.59	.69	.64	(?)	-----
Watchmen.....	151	.61	.64	.61	-----	.50	.67	.51	(?)	(?)
Welders, hand, class A.....	703	1.31	1.20	1.45	1.13	.90	1.21	-----	1.21	1.44
Welders, hand, class B.....	282	1.03	(?)	1.19	1.13	.68	.98	-----	1.10	1.20
Welders, machine, class A.....	215	1.30	.97	1.60	-----	(?)	1.22	-----	1.20	1.43
Welders, machine, class B.....	165	.85	.87	.86	-----	.68	.92	-----	(?)	1.12
Working foremen, processing departments.....	1,304	1.42	1.40	1.68	1.38	1.10	1.30	1.20	1.36	1.60
<i>Women</i>										
Assemblers, class C.....	355	.64	-----	.76	-----	.59	.64	-----	-----	-----
Inspectors, class B.....	84	.87	-----	-----	(?)	.62	-----	-----	(?)	1.22
Inspectors, class C.....	139	.65	.66	.81	-----	.60	.67	.58	(?)	-----
Punch-press operators, class B.....	507	.72	.76	.74	(?)	.60	.74	.64	.62	1.13
Sheet-metal operators, miscellaneous machines.....	143	.75	-----	-----	.90	(?)	.74	.58	.80	.86
Welders, hand, class B.....	54	.96	(?)	.85	(?)	(?)	(?)	-----	(?)	1.20
Welders, machine, class B.....	36	.76	(?)	(?)	-----	.63	.95	-----	(?)	-----

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

TABLE 91.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Sheet-Metal establishments, United States and selected regions, by size of establishment, January 1945

Occupation and grade	United States ²		Middle Atlantic		Great Lakes		Pacific			
	Establishments with—									
	8-50 workers		51 or more workers		8-50 workers	51 or more workers	8-50 workers	51 or more workers		
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates					
Forming-machine operators, power.....	36	\$1.05	170	\$1.09	\$1.35	\$1.73	\$0.72	\$0.94	(*)	\$1.43
Janitors.....	72	.68	142	.65	.62	.67	.75	.67	(*)	.95
Lay-out men, class A.....	136	1.45	143	1.47	1.78	1.82	1.31	1.16	\$1.55	1.49
Maintenance men, general utility.....	28	1.11	155	.99	1.36	1.02	.99	1.01	(*)	1.47
Power-brake operators, class A.....	81	1.18	115	1.24	1.24	1.13	1.13	1.17	1.23	1.49
Power-brake operators, class B.....	60	.81	91	.90	.89	(*)	.86	.91	(*)	1.16
Power-shear operators, class A.....	88	1.29	125	1.22	1.36	1.25	1.35	1.07	1.31	1.49
Power-shear operators, class B.....	104	.87	156	.83	.92	.82	.80	.83	(*)	1.29
Punch-press operators, class A.....	70	1.06	236	1.12	1.11	1.08	1.11	1.03	(*)	1.43
Punch-press operators, class B.....	139	.80	516	.79	.84	.83	.84	.88	(*)	(*)
Sheet-metal-machine operators, miscellaneous machines.....	727	1.06	912	1.18	1.28	1.18	1.05	.91	1.22	1.41
Sheet-metal workers, production.....	3,063	1.43	2,314	1.55	1.81	1.81	1.37	1.47	1.54	1.50
Tool-and-die makers.....	64	1.32	220	1.39	1.34	1.43	1.30	1.21	(*)	1.61
Truck drivers.....	165	.85	191	.89	.94	.95	.91	.82	1.13	1.04
Watchmen.....	29	.60	122	.61	.59	.61	.67	.67	(*)	(*)
Welders, hand, class A.....	221	1.27	452	1.32	1.35	1.50	1.17	1.23	1.39	1.49
Welders, hand, class B.....	71	.98	211	1.04	.98	1.30	.97	.99	(*)	1.20
Welders, machine, class A.....	39	1.24	178	1.31	(*)	1.75	1.20	1.23	1.44	1.43
Working foremen, processing departments.....	564	1.53	740	1.35	1.73	1.62	1.42	1.20	1.63	1.58

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.TABLE 92.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Sheet-Metal establishments, United States and selected regions, by size of community, January 1945

Occupation and grade	United States ²		Middle Atlantic		Great Lakes	
	Communities of—					
	Under 100,000	100,000 and over	Under 100,000	100,000 and over	Under 100,000	100,000 and over
Power-brake operators, class A.....	\$1.04	\$1.25	(*)	\$1.21	\$1.09	\$1.21
Power-brake operators, class B.....	.86	.87	(*)	.85	.95	.87
Power-shear operators, class A.....	1.00	1.23	(*)	1.18	1.09	1.15
Power-shear operators, class B.....	.83	.85	(*)	.89	.87	.80
Punch-press operators, class A.....	1.04	1.13	(*)	1.11	1.08	1.01
Punch-press operators, class B.....	.82	.78	\$0.84	.83	.89	.86
Sheet-metal-machine operators, miscellaneous machines.....	.85	1.18	1.63	1.19	.65	1.08
Sheet-metal workers, production.....	1.37	1.49	1.59	1.73	1.20	1.42
Tool-and-die makers.....	1.37	1.35	1.52	1.27	1.26	1.21
Truck drivers.....	.72	.90	.76	.96	.78	.89
Truckers, hand.....	.65	.67	(*)	.74	.75	.67
Welders, hand, class A.....	1.23	1.33	1.16	1.47	1.26	1.19
Welders, hand, class B.....	.78	1.05	(*)	1.19	.77	1.00
Working foremen, processing departments.....	1.21	1.45	1.83	1.67	1.13	1.34

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 93.—Average hourly wage rates (straight-time hourly earnings)¹ for men in selected plant occupations in Sheet-Metal establishments, United States and selected regions, by unionization, January 1945

Occupation and grade	United States ²				Average hourly rates in—					
	Union establishments		Nonunion establishments		Middle Atlantic		Great Lakes		Pacific	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments	Union establishments	Nonunion establishments
Carpenters, maintenance.....	65	\$1.17	34	\$1.10	\$1.45	(*)	\$0.85	\$1.17	\$1.47	(*)
Forming-machine operators, power.....	111	1.09	95	1.08	1.88	\$1.07	.96	.80	(*)	\$1.42
Janitors.....	123	.66	92	.67	.67	.64	.73	.67	(*)	.88
Lay-out men, class A.....	190	1.57	89	1.22	1.93	1.38	1.30	1.20	1.52	-----
Maintenance men, general utility.....	87	.95	96	1.06	1.00	1.17	1.17	.93	(*)	1.56
Power-brake operators, class A.....	114	1.26	82	1.15	1.29	1.05	1.19	1.09	1.46	1.35
Power-brake operators, class B.....	72	.91	79	.82	(*)	.86	.87	.93	1.13	-----
Power-shear operators, class A.....	114	1.34	99	1.15	1.60	1.08	1.15	1.11	1.45	1.37
Power-shear operators, class B.....	103	.85	157	.84	.84	.90	.80	.85	1.25	(*)
Punch-press operators, class A.....	148	1.15	158	1.06	(*)	1.11	1.03	1.06	1.40	1.50
Punch-press operators, class B.....	304	.76	351	.82	.83	.83	.86	.88	(*)	-----
Sheet-metal-machine operators, miscellaneous machines.....	776	1.25	863	1.01	1.36	1.03	1.14	.89	1.43	1.32
Sheet-metal workers, production.....	4,293	1.56	1,084	1.17	1.86	1.20	1.46	1.07	1.53	1.48
Stock clerks.....	67	.93	69	.81	1.09	.82	.87	.82	1.08	(*)
Tool-and-die makers.....	178	1.41	96	1.25	1.47	1.28	1.27	1.16	1.62	(*)
Truck drivers.....	207	.88	148	.87	.97	.93	.88	.82	1.05	1.07
Truckers, hand.....	173	.66	69	.68	.73	.76	.66	.78	-----	-----
Watchmen.....	87	.62	64	.60	.61	.59	.69	.64	(*)	-----
Welders, hand, class A.....	384	1.39	319	1.21	1.57	1.22	1.21	1.22	1.45	1.42
Welders, hand, class B.....	162	1.07	120	.98	1.27	1.09	1.03	.91	1.20	-----
Welders, machine, class A.....	139	1.39	76	1.13	2.00	(*)	1.24	1.20	1.43	-----
Welders, machine, class B.....	57	.86	108	.84	-----	.86	.92	.93	(*)	(*)
Working foremen, processing departments.....	869	1.48	435	1.32	1.90	1.41	1.34	1.20	1.63	1.53

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 94.—Average hourly wage rates (straight-time hourly earnings)¹ for men plant workers in Sheet-Metal establishments by wage area, January 1945

Occupation and grade	Atlanta, Ga.	Boston, Mass.	Chattanooga, Tenn.	Chicago, Ill.	Cincinnati, Ohio	Cleveland, Ohio	Detroit, Mich.	Houston, Texas
All plant occupations.....	\$0.68	\$1.13	\$0.68	\$1.16	\$0.82	\$1.04	\$1.36	\$0.92
<i>Selected occupations</i>								
Acid dippers.....	(?)	(?)	.60				1.74	
Die setters.....		(?)	.81	1.10	.80	(?)		(?)
Janitors.....	.53	(?)	.50	.76	.60	.77	.90	
Lay-out men, class A.....		1.08	.96	1.30	1.02	1.10	1.62	1.62
Maintenance men, general utility.....	1.22	1.04	.68	.97		1.19	1.31	.92
Power-brake operators, class A.....		(?)	(?)	(?)	(?)	1.21	1.30	
Power-brake operators, class B.....	(?)		.66	(?)	.77	.96		
Power-shear operators, class A.....	.94	(?)	(?)	(?)	(?)	1.17	1.23	
Power-shear operators, class B.....	.60	(?)	.59	.82	.69	.89		.96
Power-press operators, class A.....	.75	(?)	.77	(?)	.82	1.10	1.05	.74
Punch-press operators, class B.....	.66	.88	.53	.90	.75	.92		.67
Sheet-metal-machine operators, miscellaneous machines.....	(?)	.87	.57	1.25	1.22	1.13	1.20	.99
Sheet-metal workers, production.....	(?)	1.33	1.24	1.57	1.26	1.27	1.47	1.48
Truck drivers.....	.56	.90	(?)	(?)	.72	.88	1.13	.75
Truckers, hand.....	(?)	.73	(?)		.62	.75		.60
Watchmen.....	.50	.63	.52	.73	(?)	.56	(?)	.53
Welders, hand, class A.....	.91	1.10	(?)	1.17	1.04	1.20	1.48	1.22
Welders, hand, class B.....	(?)	(?)	.63	.94	.85	1.24	1.40	1.11
Welders, machine, class A.....	(?)	.95		1.28		.96	(?)	1.20
Welders, machine, class B.....	.64	(?)	.72	.97	.78	1.14		.88
Working foremen, processing departments.....	1.08	1.49	1.01	1.50	1.25	1.32	1.67	1.47
	Los Angeles, Calif.	Louisville, Ky.	New Orleans, La.	New York, N. Y.	Philadelphia, Pa.	St. Louis, Mo.	San Francisco, Calif.	Seattle, Wash.
All plant occupations.....	\$1.36	\$1.16	\$0.90	\$1.58	\$1.08	\$0.84	\$1.47	\$1.46
<i>Selected occupations</i>								
Acid dippers.....					(?)	.72		
Die setters.....		(?)	(?)			.96		
Janitors.....	(?)	(?)	(?)	(?)	(?)	.59		
Lay-out men, class A.....	(?)	1.48		2.02	1.50	1.12	1.58	(?)
Maintenance men, general utility.....	(?)		1.12	(?)	1.08	.94		(?)
Power-brake operators, class A.....	1.41	1.20		(?)	1.31	(?)	1.35	
Power-brake operators, class B.....				(?)	.85	(?)		
Power-shear operators, class A.....	1.40	1.13		1.64	1.20	(?)	1.40	(?)
Power-shear operators, class B.....	(?)	(?)		.83	.94	.80	(?)	
Punch-press operators, class A.....	1.46			(?)	1.12	(?)	(?)	
Punch-press operators, class B.....				(?)	.87	.67		
Sheet-metal-machine operators, miscellaneous machines.....	1.34	.79	.96	1.14	1.17	.80		1.54
Sheet-metal workers, production.....	1.49	1.27	1.26	1.87	1.33	1.43	1.50	1.68
Truck drivers.....	1.02	.82	.63	1.02	.91	.83	1.09	1.21
Truckers, hand.....		.70		(?)	(?)	.64		
Watchmen.....	(?)		(?)	(?)	.46	.51	(?)	(?)
Welders, hand, class A.....	1.40	1.12		1.63			1.50	1.30
Welders, hand, class B.....		1.00	1.10	1.10				1.20
Welders, machine, class A.....	1.41			(?)				
Welders, machine, class B.....	(?)			.82				
Working foremen, processing departments.....	1.56	1.37	1.33	1.86	(?)	1.04	1.64	1.89

¹ Excludes premium pay for overtime and night work.² Insufficient number of workers to justify presentation of an average.

Small Arms

The study covered both the manufacture and assembly of complete small arms and the manufacture of parts for such weapons. Included in the products of the industry are rifles, revolvers, pistols, carbines, machine guns (having a bore of 0.60 inch or less) and mounts, shotguns, and parts for these guns. The scope corresponds to industry classifications 1951 and 1952 of the Stand-

ard Industrial Classification Manual (1942 edition) as issued by the Bureau of the Budget.

Except for Government arsenals, all establishments with 8 or more employees engaged primarily in producing small arms or parts were covered. This amounted to 72 establishments employing about 51,000 workers.

TABLE 95.—Percentage distribution of plant workers in Small Arms establishments by straight-time average hourly earnings,¹ United States and selected regions, January 1945

Average hourly earnings ¹	United States ²			All workers in—		
	All workers	Men	Women	New England	Middle Atlantic	Great Lakes
Under 50.0 cents	(*)	(*)	0.1	0.1	0.2	(*)
50.0-54.9 cents	0.4	0.1	1.4	.8		0.1
55.0-59.9 cents .....	.9	.3	2.9	1.8	.5	.6
60.0-64.9 cents	1.8	1.0	4.5	3.1	.9	1.3
65.0-69.9 cents	2.5	1.7	5.3	3.8	1.7	2.6
70.0-74.9 cents	3.9	3.1	6.5	5.4	2.6	
75.0-79.9 cents	4.2	3.1	7.7	5.4	3.7	3.0
80.0-84.9 cents	6.5	4.7	11.9	7.4	3.4	6.8
85.0-89.9 cents	5.8	5.3	7.5	8.3	4.1	3.4
90.0-94.9 cents	8.5	6.4	15.0	8.2	12.8	7.1
95.0-99.9 cents	6.7	5.9	8.9	5.4	7.3	7.8
100.0-104.9 cents	9.7	8.7	12.3	8.8	10.3	10.5
105.0-109.9 cents	5.0	5.7	2.9	4.1	7.3	5.2
110.0-114.9 cents	6.5	7.4	3.4	5.1	9.1	7.1
115.0-119.9 cents	3.9	4.6	1.9	4.5	2.6	3.7
120.0-124.9 cents	4.7	5.5	2.1	4.3	4.7	5.2
125.0-129.9 cents	4.7	5.9	1.0	5.0	4.0	4.6
130.0-134.9 cents	4.5	5.7	.8	2.7	2.7	7.5
135.0-139.9 cents	5.0	6.3	.8	2.6	2.8	9.0
140.0-144.9 cents	3.1	3.9	.6	1.9	6.2	3.2
145.0-149.9 cents	1.9	2.4	.6	2.0	2.2	1.8
150.0-159.9 cents	3.9	4.8	1.1	3.6	3.1	4.4
160.0-169.9 cents	2.6	3.3	.4	2.1	2.1	3.5
170.0-179.9 cents	1.4	1.7	.2	1.5	1.8	1.0
180.0-189.9 cents .....	.7	1.0	.1	.8	1.3	.4
190.0-199.9 cents .....	.5	.6	.1	.6	.9	.1
200.0 cents and over .....	.7	.9	(*)	.7	1.7	.1
Total	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers	43,700	32,900	10,800	20,400	7,400	15,900
Average hourly earnings ¹	\$1.09	\$1.15	\$0.91	\$1.04	\$1.13	\$1.14

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Less than 0.05 of 1 percent.

TABLE 96.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Small Arms establishments, United States and selected regions, January 1945

Occupation, grade, and sex	United States ²		Average hourly rates in—			Occupation, grade, and sex	United States ²		Average hourly rates in—		
	Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes		Number of workers	Average hourly rates	New England	Middle Atlantic	Great Lakes
<i>Men</i>						<i>Men—Continued</i>					
Assemblers, class A.....	654	\$1.24	\$0.98	\$1.42	\$1.36	Punch-press operators, class A.....	51	\$1.07	\$1.03	(³)	-----
Assemblers, class B.....	578	1.17	1.16	1.22	1.15	Punch-press operators, class B.....	224	1.08	.86	\$0.89	\$1.37
Assemblers, class C.....	540	1.07	1.06	.95	1.16	Screw-machine operators, automatic, class A.....	36	1.42	1.19	1.81	1.24
Automatic-lathe operators, class A.....	54	1.34	(³)	-----	1.39	Screw-machine operators, automatic, class B.....	76	1.19	1.19	-----	(³)
Automatic-lathe operators, class B.....	116	1.25	(³)	-----	1.27	Screw-machine operators, automatic, class C.....	41	.98	.90	1.02	-----
Automatic-lathe operators, class C.....	69	1.06	1.00	(³)	1.09	Set-up men, machine tools.....	1,649	1.22	1.19	1.28	1.25
Carpenters, maintenance.....	192	1.11	1.03	1.09	1.22	Stock clerks.....	286	.90	.86	.94	.96
Chippers and grinders.....	147	.87	.65	.97	1.03	Testers, class A.....	41	1.36	-----	-----	1.36
Crane operators, electric bridge.....	42	.98	(³)	.90	1.10	Tool-and-die makers.....	1,082	1.38	1.26	1.45	1.51
Die setters.....	39	.93	.88	(³)	1.04	Truck drivers.....	97	.95	.91	.96	1.02
Drill-press operators, radial, class A.....	111	1.36	(³)	1.26	1.39	Truckers, hand.....	686	.85	.81	.93	.87
Drill-press operators, radial, class B.....	69	1.17	(³)	1.06	1.26	Truckers, power.....	202	.94	.84	.99	1.03
Drill-press operators, single and multiple-spindle, class A.....	76	1.35	1.00	1.55	1.29	Turret-lathe operators, hand (including hand-screw machine), class A.....	243	1.31	.96	1.47	1.38
Drill-press operators, single and multiple-spindle, class B.....	418	1.28	1.26	1.47	1.22	Turret-lathe operators, hand (including hand-screw machine), class B.....	264	1.25	1.26	1.22	1.27
Drill-press operators, single and multiple-spindle, class C.....	552	1.09	1.13	.88	1.04	Turret-lathe operators, hand (including hand-screw machine), class C.....	207	1.16	1.21	.95	1.02
Drop-hammer operators, board, under 3,000 lb.....	50	1.47	1.47	-----	-----	Watchmen.....	113	.69	.68	(³)	(³)
Electricians, maintenance.....	233	1.21	1.14	1.15	1.31	Welders, hand, class A.....	52	1.35	.98	1.52	(³)
Engine-lathe operators, class A.....	331	1.37	1.06	1.32	1.40	Welders, hand, class B.....	59	1.06	1.05	.88	1.19
Engine-lathe operators, class B.....	162	1.27	1.35	.95	1.30	Welders, machine, class B.....	36	1.22	(³)	1.14	1.31
Engine-lathe operators, class C.....	97	.97	1.03	.82	1.19	Working foremen, processing departments.....	477	1.20	1.17	1.37	1.13
Grinding-machine operators, class A.....	284	1.30	1.07	1.66	1.33	<i>Women</i>					
Grinding-machine operators, class B.....	410	1.41	1.51	1.85	1.22	Assemblers, class B.....	67	.94	.94	-----	-----
Grinding-machine operators, class C.....	268	1.16	1.25	1.06	1.18	Assemblers, class C.....	654	.83	.80	.82	.89
Guards.....	369	.93	.83	.93	1.04	Chippers and grinders.....	109	.80	.62	.93	.79
Heat treaters, class A.....	58	1.11	1.11	(³)	(³)	Drill-press operators, single and multiple-spindle, class B.....	39	1.04	.97	(³)	1.20
Heat treaters, class B.....	199	1.15	1.14	1.00	1.19	Drill-press operators, single and multiple-spindle, class C.....	610	.91	.94	.87	.91
Inspectors, class A.....	888	1.19	1.00	1.13	1.54	Engine-lathe operators, class C.....	35	.78	(³)	.75	(³)
Inspectors, class B.....	1,253	1.08	.96	1.03	1.26	Grinding-machine operators, class C.....	50	1.03	(³)	(³)	1.05
Inspectors, class C.....	433	1.01	.87	.97	1.11	Heat treaters, class B.....	30	1.13	(³)	.93	1.30
Janitors.....	904	.81	.71	.85	.88	Inspectors, class A.....	40	.95	.84	1.14	-----
Machine-tool operators, miscellaneous machines.....	139	1.03	1.03	1.02	1.04	Inspectors, class B.....	710	.95	.89	1.01	1.21
Machinists, maintenance.....	309	1.19	1.15	1.31	1.35	Inspectors, class C.....	1,834	.85	.76	.83	.90
Machinists, production.....	126	1.30	1.13	1.17	1.46	Janitors.....	104	.73	.64	.78	.82
Maintenance men, general utility.....	32	.92	.88	-----	.98	Milling-machine operators, class B.....	149	1.05	1.07	(³)	1.03
Mechanics, maintenance.....	193	1.21	1.04	1.10	1.29	Milling-machine operators, class C.....	1,517	.97	.98	.91	.98
Milling-machine operators, class A.....	392	1.34	1.02	1.35	1.39	Polishing and buffing-machine operators.....	29	1.21	1.21	-----	-----
Milling-machine operators, class B.....	1,110	1.28	1.30	1.53	1.17	Punch-press operators, class B.....	371	.91	.78	.76	1.08
Milling-machine operators, class C.....	832	1.10	1.14	.97	1.07	Stock clerks.....	54	.83	.81	(³)	(³)
Millwrights.....	267	1.12	1.02	1.10	1.22	Turret-lathe operators, hand (including hand-screw machines), class C.....	138	.98	1.04	(³)	.97
Molders, machine.....	25	.97	.97	-----	-----	Welders, machine, class B.....	49	1.11	(³)	(³)	1.15
Painters, finish.....	61	1.10	.89	1.15	1.17						
Painters, rough.....	23	.96	.91	(³)	(³)						
Platers.....	27	.91	.91	-----	-----						
Polishers and buffers, metal.....	154	1.28	1.30	(³)	-----						
Polishing and buffing-machine operators.....	136	1.09	1.05	1.01	1.60						

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 97.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Small Arms establishments, United States and selected regions, by size of establishment, January 1945

Occupation, grade, and sex	United States ²				New England		Great Lakes	
	Establishments with—							
	8-500 workers		501 or more workers		8-500 workers	501 or more workers	8-500 workers	501 or more workers
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates			
<i>Men</i>								
Assemblers, class A.....	43	\$1.17	611	\$1.25	\$1.18	\$0.92	-----	\$1.36
Assemblers, class B.....	64	.94	514	1.20	.93	1.21	(³)	1.16
Assemblers, class C.....	45	.79	495	1.10	.80	1.11	-----	1.16
Carpenters, maintenance.....	24	1.01	168	1.12	.96	1.05	(³)	1.21
Drill-press operators, single- and multiple-spindle, class B.....	74	.92	344	1.36	.91	1.38	\$0.92	1.27
Drill-press operators, single- and multiple-spindle, class C.....	58	.88	494	1.12	.86	1.15	.91	1.06
Electricians, maintenance.....	12	1.13	221	1.21	1.09	1.14	(³)	1.31
Engine-lathe operators, class A.....	22	1.54	309	1.36	(³)	1.06	1.72	1.39
Engine-lathe operators, class B.....	53	1.18	109	1.31	(³)	1.39	1.36	1.25
Engine-lathe operators, class C.....	44	.81	53	1.10	.92	1.09	-----	1.19
Grinding-machine operators, class A.....	54	1.33	230	1.29	1.00	1.12	1.67	1.28
Grinding-machine operators, class B.....	46	1.07	364	1.45	.97	1.54	1.08	1.25
Grinding-machine operators, class C.....	44	.96	224	1.20	(³)	1.27	.98	1.30
Guards.....	44	.76	325	.95	.75	.85	.80	1.07
Inspectors, class A.....	28	1.25	860	1.19	1.08	1.00	1.62	1.54
Inspectors, class B.....	48	.97	1,205	1.08	.93	.97	1.09	1.27
Inspectors, class C.....	35	.82	398	1.03	.77	.88	.97	1.12
Janitors.....	83	.72	821	.81	.67	.71	.78	.88
Machine-tool operators, miscellaneous machines.....	86	.97	53	1.11	.89	1.20	1.02	(³)
Machinists, maintenance.....	23	1.16	286	1.20	1.14	1.15	(³)	1.36
Machinists, production.....	58	1.26	68	1.34	1.26	1.10	1.31	1.49
Maintenance men, general utility.....	21	.88	11	.99	.79	.99	.98	-----
Mechanics, maintenance.....	30	1.00	163	1.25	1.00	1.06	1.11	1.31
Milling-machine operators, class A.....	32	1.16	360	1.36	1.03	1.02	(³)	1.39
Milling-machine operators, class B.....	164	.93	946	1.34	.93	1.36	.95	1.21
Milling-machine operators, class C.....	144	.97	688	1.13	.96	1.17	.97	1.09
Millwrights.....	33	.97	234	1.15	.97	1.03	.97	1.25
Punch-press operators, class A.....	24	1.15	27	1.00	1.15	.90	-----	-----
Punch-press operators, class B.....	89	.81	135	1.25	.77	.97	.92	1.49
Set-up men, machine tools.....	123	1.06	1,526	1.24	1.02	1.20	1.11	1.26
Stock clerks.....	41	.90	245	.90	.84	.86	.92	.98
Tool-and-die makers.....	280	1.34	802	1.39	1.17	1.29	1.52	1.50
Truck drivers.....	23	.88	74	.97	.84	.93	(³)	1.05
Truckers, hand.....	31	.74	655	.88	.73	.82	(³)	.92
Turret-lathe operators, hand (including hand-screw machine), class A.....	17	(³)	226	1.32	(³)	.95	1.24	1.39
Turret-lathe operators, hand (including hand-screw machine), class B.....	24	1.09	230	1.27	(³)	1.26	1.20	1.30
Turret-lathe operators, hand (including hand-screw machine), class C.....	28	.86	179	1.20	(³)	1.23	.84	1.18
Watchmen.....	21	.69	92	.70	.68	.68	(³)	-----
Working foremen, processing departments.....	155	1.20	322	1.21	1.12	1.19	1.17	1.09
<i>Women</i>								
Assemblers, class B.....	27	1.05	40	.86	1.05	.86	-----	-----
Assemblers, class C.....	230	.72	424	.90	.72	1.03	.71	.89
Drill-press operators, single- and multiple-spindle, class C.....	142	.79	468	.95	.72	.99	.83	.94
Inspectors, class C.....	462	.75	1,372	.88	.72	.78	.81	.92
Milling-machine operators, class B.....	54	.98	95	1.10	.99	1.15	-----	1.03
Milling-machine operators, class C.....	202	.82	1,315	.99	.75	1.05	.86	.99
Punch-press operators, class B.....	217	.80	154	1.06	.80	.72	.82	1.22
Turret-lathe operators, hand (including hand-screw machine), class C.....	23	.82	115	1.01	-----	1.04	.82	1.01

¹ Excludes premium pay for overtime and night work.

² Includes data for other regions in addition to those shown separately.

³ Insufficient number of workers to justify presentation of an average.

TABLE 98.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Small Arms establishments, United States and New England region, by unionization, January 1945

Occupation, grade, and sex	United States ²				New England	
	Union establishments		Nonunion establishments		Union establishments	Nonunion establishments
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Average hourly rates	
<i>Men</i>						
Assemblers, class A.....	621	\$1.24	33	\$1.29	\$0.98	\$0.98
Assemblers, class B.....	457	1.19	121	1.10	1.20	1.03
Assemblers, class C.....	426	1.06	114	1.13	.99	1.37
Carpenters, maintenance.....	137	1.14	55	1.04	1.04	1.02
Drill-press operators, single- and multiple-spindle, class B.....	335	1.36	83	.98	1.35	.98
Drill-press operators, single- and multiple-spindle, class C.....	422	1.09	130	1.10	1.14	1.12
Electricians, maintenance.....	191	1.24	42	1.09	1.17	1.07
Engine-lathe operators, class B.....	103	1.28	59	1.25	1.42	1.22
Engine-lathe operators, class C.....	51	1.03	46	.90	1.02	1.03
Grinding-machine operators, class A.....	219	1.30	65	1.32	.98	1.14
Grinding-machine operators, class B.....	380	1.43	30	1.14	1.56	1.07
Grinding-machine operators, class C.....	230	1.17	38	1.09	1.28	1.16
Guards.....	284	.96	85	.81	.85	.82
Heat treaters, class B.....	172	1.14	27	1.19	1.10	1.28
Inspectors, class A.....	767	1.20	121	1.11	1.00	1.03
Inspectors, class B.....	1,065	1.11	188	.93	.98	.92
Inspectors, class C.....	402	1.01	31	1.01	.81	1.17
Janitors.....	759	.83	145	.67	.73	.65
Machine-tool operators, miscellaneous machines.....	104	1.07	35	.91	1.10	.76
Machinists, maintenance.....	210	1.23	99	1.12	1.17	1.11
Machinists, production.....	104	1.33	22	1.19	1.12	1.14
Milling-machine operators, class A.....	336	1.36	56	1.25	1.02	1.03
Milling-machine operators, class B.....	945	1.32	165	1.04	1.36	1.03
Milling-machine operators, class C.....	499	1.11	333	1.10	1.18	1.11
Millwrights.....	209	1.15	58	1.02	1.03	1.00
Punch-press operators, class B.....	139	1.23	85	.82	.97	.77
Screw-machine operators, automatic, class B.....	56	1.19	20	1.17	1.20	1.17
Set-up men, machine tools.....	1,817	1.25	332	1.12	1.22	1.12
Stock clerks.....	222	.91	64	.87	.86	.85
Tool-and-die makers.....	790	1.41	292	1.28	1.30	1.19
Truck drivers.....	64	.98	33	.90	.94	.88
Truckers, hand.....	606	.85	80	.83	.80	.84
Truckers, power.....	154	.98	48	.83	.84	.83
Turret-lathe operators, hand (including hand-screw machine), class A.....	191	1.32	52	1.31	.96	(*)
Turret-lathe operators, hand (including hand-screw machine), class B.....	217	1.29	37	1.05	1.29	.89
Turret-lathe operators, hand (including hand-screw machine), class C.....	139	1.19	68	1.10	1.26	1.15
Watchmen.....	64	.73	49	.65	.70	.65
Working foremen, processing departments.....	281	1.19	196	1.22	1.14	1.20
<i>Women</i>						
Assemblers, class B.....	50	.95	17	.90	.95	.90
Assemblers, class C.....	428	.81	226	.87	.68	.89
Drill-press operators, single- and multiple-spindle, class C.....	479	.92	131	.88	.94	.94
Inspectors, class B.....	595	.97	115	.85	.90	.85
Inspectors, class C.....	1,394	.86	440	.80	.72	.81
Milling-machine operators, class B.....	114	1.09	35	.93	1.12	.95
Milling-machine operators, class C.....	1,315	.98	202	.89	1.02	.95
Punch-press operators, class B.....	172	1.05	199	.79	.82	.77
Turret-lathe operators, hand (including hand-screw machine), class C.....	103	1.01	35	.90	1.02	1.50

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.

(*) Insufficient number of workers to justify presentation of an average.

TABLE 99.—Average hourly wage rates (straight-time hourly earnings)¹ for selected plant occupations in Small Arms establishments, United States and selected regions, by method of wage payment, January 1945

Occupation, grade, and sex	United States ²				Average hourly rates in—					
	Time workers		Incentive workers		New England		Middle Atlantic		Great Lakes	
	Number of workers	Average hourly rates	Number of workers	Average hourly rates	Time workers	Incentive workers	Time workers	Incentive workers	Time workers	Incentive workers
<i>Men</i>										
Assemblers, class B.....	244	\$1.03	334	\$1.27	\$0.90	\$1.29	\$0.90	\$1.33	\$1.20	\$1.03
Assemblers, class C.....	227	.91	313	1.19	.87	1.19	.82	1.10	1.03	1.24
Drill-press operators, single- and multiple-spindle, class B.....	152	.91	266	1.49	.86	1.54	(³)	1.59	1.11	1.28
Drill-press operators, single- and multiple-spindle, class C.....	222	.88	330	1.24	.69	1.25	.88	-----	1.01	1.16
Grinding-machine operators, class B.....	189	1.17	221	1.61	1.03	1.63	(³)	1.88	1.20	1.28
Grinding-machine operators, class C.....	133	.98	135	1.34	.84	1.35	1.01	(³)	.98	1.29
Inspectors, class B.....	1,101	1.07	152	1.12	.96	1.20	.93	1.06	1.26	1.33
Inspectors, class C.....	302	.97	131	1.11	.81	1.20	.99	.94	1.09	1.15
Milling-machine operators, class B.....	354	.98	756	1.42	.84	1.44	(³)	1.61	1.14	1.21
Milling-machine operators, class C.....	305	.98	527	1.17	.83	1.15	.94	1.10	1.00	1.32
Set-up men, machine tools.....	1,201	1.20	448	1.30	1.21	1.12	1.07	1.43	1.21	1.40
<i>Women</i>										
Assemblers, class C.....	217	.77	437	.86	.67	.84	.75	.93	.85	.88
Drill-press operators, single- and multiple-spindle, class C.....	342	.87	268	.97	.71	1.04	.87	-----	.90	.93
Inspectors, class C.....	1,473	.82	361	.96	.71	.90	.85	.73	.86	1.12
Milling-machine operators, class B.....	87	.85	62	1.34	.76	1.35	(³)	-----	.98	(³)
Milling-machine operators, class C.....	751	.90	766	1.03	.76	1.04	.90	1.05	.92	1.02
Punch-press operators, class B.....	139	.78	232	.99	.74	.80	.76	-----	.83	1.24
Turret-lathe operators, hand, class C.....	25	.83	113	1.01	(³)	1.03	(³)	-----	.82	1.01

¹ Excludes premium pay for overtime and night work.² Includes data for other regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

Office Workers in Metalworking Industries

The following tables include information for office workers in all the industries for which separate data are presented in the other tables in this bulletin, together with office employees in the communication equipment and motor vehicle industries.

TABLE 100.—Straight-time average hourly earnings¹ for selected Office Occupations in selected Metalworking Industries, by region, January 1945

Occupation, grade, and sex	United States		Average hourly earnings in—								
	Number of workers	Average hourly earnings	New England	Middle Atlantic	Border States	South-east ²	Great Lakes	Middle West	South-west	Moun-tain	Pacific
<i>Men</i>											
Bookkeepers, hand.....	1,140	\$1.12	\$1.07	\$1.16	\$1.05	\$1.09	\$1.16	\$0.98	\$1.05	(³)	\$1.12
Clerks, accounting.....	2,735	1.04	.98	1.04	1.04	(³)	1.07	.98	.87	(³)	1.10
Clerks, general.....	1,396	.85	.81	.71	.75	.76	.92	.72	.76	-----	.91
Clerks, order.....	1,118	1.00	1.00	1.01	1.03	.99	1.03	.87	.85	(³)	1.00
Clerks, pay roll.....	1,070	.96	.86	.94	.93	(³)	1.02	.81	.89	\$0.79	1.12
Office boys.....	878	.55	.53	.54	.50	(³)	.59	.44	(³)	(³)	(³)
<i>Women</i>											
Billing-machine operators.....	1,575	.73	.70	.74	.66	(³)	.75	.71	(³)	(³)	.82
Bookkeepers, hand.....	5,259	.92	.86	.96	.82	.95	.92	.82	.83	.91	1.00
Bookkeeping-machine operators, class A.....	753	.88	.83	.97	.86	(³)	.87	.79	(³)	(³)	.96
Bookkeeping-machine operators, class B.....	1,706	.75	.70	.78	.74	(³)	.76	.74	(³)	(³)	.85
Bookkeeping-machine operators, class C.....	403	.68	.64	.64	.76	(³)	.72	.57	-----	-----	(³)
Calculating-machine operators, class A.....	2,176	.79	.68	.81	(³)	(³)	.77	.76	(³)	.73	.96
Calculating-machine operators, class B.....	3,165	.69	.66	.70	.71	(³)	.69	.69	(³)	(³)	.82
Clerks, accounting.....	8,122	.76	.70	.78	.71	.73	.77	.73	.74	.75	.87
Clerks, file, class A.....	1,183	.72	.68	.70	.71	-----	.75	.63	(³)	-----	.78
Clerks, file, class B.....	4,619	.60	.58	.58	.61	.63	.61	.56	(³)	(³)	.68
Clerks, general.....	14,764	.65	.61	.64	.63	.62	.67	.59	.69	(³)	.79
Clerks, order.....	2,302	.73	.70	.76	.76	(³)	.72	.61	(³)	(³)	.84
Clerks, pay roll.....	7,625	.73	.69	.73	.72	.70	.74	.67	.73	.63	.87
Clerk-typists.....	14,878	.65	.61	.64	.66	.64	.66	.62	.63	.69	.77
Office girls.....	1,971	.55	.51	.53	.54	(³)	.57	.61	(³)	(³)	.63
Stenographers, class A.....	9,490	.81	.77	.78	.82	.76	.82	.76	.80	.77	.89
Stenographers, class B.....	13,895	.69	.66	.69	.67	.64	.69	.67	.69	.66	.83
Switchboard operators.....	1,896	.73	.69	.74	.66	(³)	.74	.73	.66	(³)	.82
Switchboard-operator-receptionists.....	3,246	.70	.66	.69	.63	.62	.73	.63	.65	.66	.80
Transcribing-machine operators, class A.....	658	.76	.72	.75	-----	(³)	.77	.77	(³)	-----	.78
Transcribing-machine operators, class B.....	822	.67	.59	.70	.54	(³)	.67	.69	-----	-----	(³)
Typists, copy, class A.....	2,039	.70	.66	.71	.73	-----	.70	.67	(³)	(³)	.78
Typists, copy, class B.....	4,080	.61	.58	.62	.58	-----	.61	.61	(³)	.62	.74

¹ Excludes premium pay for overtime.

² Based primarily on cities of 100,000 or more population.

³ Insufficient number of workers to justify presentation of an average.

TABLE 101.—*Straight-time average hourly earnings*¹ for selected Office Occupations in selected Metalworking Industries, by size of community, January 1945

Occupation, grade, and sex	Average hourly earnings in—											
	United States ²			New England			Middle Atlantic			Great Lakes		
	Communities of—											
	100,000 and over	25,000-100,000	Under 25,000	100,000 and over	25,000-100,000	Under 25,000	100,000 and over	25,000-100,000	Under 25,000	100,000 and over	25,000-100,000	Under 25,000
<i>Men</i>												
Bookkeepers, hand.....	\$1.14	\$1.08	\$1.07	\$1.07	(³)	(³)	\$1.16	\$1.14	\$1.14	\$1.19	\$1.14	\$1.04
Clerks, accounting.....	1.06	1.01	.93	.99	\$0.90	\$1.00	1.04	1.07	.80	1.10	1.01	.96
Clerks, pay roll.....	.98	.98	.80	.98	.84	.69	.97	.94	.82	1.03	1.03	.86
<i>Women</i>												
Billing-machine operators.....	.76	.67	.67	.71	(³)	.66	.73	.77	.72	.79	.65	.68
Bookkeepers, hand.....	.95	.84	.81	.86	.85	.80	.97	.88	.85	.95	.85	.80
Bookkeeping-machine operators, class A.....	.90	.81	.83	.82	.83	(³)	.98	(³)	(³)	.91	.79	.83
Bookkeeping-machine operators, class B.....	.77	.72	.66	.71	.67	.63	.79	.73	.78	.78	.73	.64
Bookkeeping-machine operators, class C.....	.70	.60	.57	.65	.62	-----	.64	(³)	(³)	.75	.63	.51
Calculating-machine operators, class A.....	.78	.72	.72	.69	.72	.60	.81	.76	(³)	.78	.72	.74
Calculating-machine operators, class B.....	.70	.63	.64	.68	.63	.53	.70	.61	.71	.71	.64	.59
Clerks, accounting.....	.78	.73	.67	.72	.70	.58	.79	.73	.71	.79	.74	.68
Clerks, file, class A.....	.74	.68	.68	.69	.68	(³)	.70	.68	.69	.77	.70	.69
Clerks, file, class B.....	.61	.60	.54	.57	.71	.50	.58	.58	.55	.62	.59	.53
Clerks, order.....	.74	.70	.62	.70	.67	.69	.75	.80	.73	.77	.66	.58
Clerks, pay roll.....	.75	.68	.66	.70	.67	.64	.75	.70	.67	.77	.68	.68
Clerk-typists.....	.67	.60	.57	.63	.59	.54	.65	.62	.56	.69	.61	.58
Stenographers, class A.....	.82	.78	.71	.77	.78	.66	.79	.78	.75	.84	.78	.71
Stenographers, class B.....	.71	.66	.60	.66	.67	.58	.70	.66	.62	.72	.66	.66
Switchboard operators.....	.75	.67	.61	.70	.67	.59	.74	.69	.69	.77	.67	.68
Switchboard-operator-receptionists.....	.72	.64	.64	.66	.62	.66	.71	.63	.61	.73	.64	.63
Typists, copy, class A.....	.70	.76	.58	.63	.66	.55	.68	.91	.83	.72	.69	.67
Typists, copy, class B.....	.62	.62	.56	.58	(³)	.54	.61	.65	.62	.62	.61	.52
												.49

¹ Excludes premium pay for overtime.² Includes data for regions in addition to those shown separately.³ Insufficient number of workers to justify presentation of an average.

TABLE 102.—Straight-time average hourly earnings¹ for selected Office Occupations in selected Metalworking Industries, by wage area, January 1945

Occupation, grade, and sex	Average hourly earnings in—											
	Balti- more, Md.	Birming- ham, Ala.	Boston, Mass.	Bridge- port, Conn.	Buffalo, N. Y.	Chatta- nooga, Tenn.	Chicago, Ill.	Cincin- nati, Ohio	Cleve- land, Ohio	Colum- bus, Ohio	Denver, Colo.	Detroit, Mich.
Men												
Bookkeepers, hand.....	(?)	(?)	\$1.07	(?)	(?)	(?)	\$1.28	(?)	\$1.36	(?)	(?)	\$1.38
Clerks, accounting.....	\$1.16	(?)	.96	\$1.09	\$1.06	(?)	1.11	(?)	1.13	\$0.83	(?)	1.24
Clerks, pay roll.....	.92	(?)	.96	(?)	(?)	(?)	1.03	(?)	1.06	(?)	(?)	1.27
Women												
Billing-machine operators.....	.73	(?)	.72	(?)	.69	(?)	.76	(?)	.77	(?)	(?)	.88
Bookkeepers, hand.....	.80	(?)	.84	.93	.95	(?)	.96	\$0.97	.88	(?)	\$0.90	1.12
Bookkeeping-machine operators, class A.....	.88	(?)	.78	.94	(?)	(?)	.92	(?)	.86	(?)	(?)	1.02
Bookkeeping-machine operators, class B.....	(?)	(?)	.70	.77	.77	(?)	.83	.84	.79	(?)	(?)	.88
Calculating-machine operators, class A.....	(?)	(?)	.74	.85	.90	(?)	.85	.87	.82	(?)	(?)	.87
Calculating-machine operators, class B.....	.74	(?)	.68	.82	.74	(?)	.69	.73	.75	.62	(?)	.82
Clerks, accounting.....	.78	(?)	.71	.75	.84	(?)	.79	.71	.82	.71	.77	.88
Clerks, file, class A.....	.75	(?)	.68	.69	.69	(?)	.78	(?)	.82	(?)	(?)	.80
Clerks, file, class B.....	.60	(?)	.54	.63	.57	(?)	.62	.63	.66	.59	(?)	.70
Clerks, order.....	(?)	(?)	.68	.69	.81	(?)	.78	(?)	.81	.71	(?)	.89
Clerks, pay roll.....	.77	\$0.73	.70	.79	.76	\$0.68	.79	.69	.80	.66	.59	.91
Clerk-typists.....	.68	(?)	.59	.69	.66	(?)	.71	.66	.73	.66	(?)	.76
Stenographers, class A.....	.79	.78	.75	.88	.84	.73	.89	.81	.88	.79	(?)	.94
Stenographers, class B.....	.68	.68	.65	.73	.69	.58	.76	.68	.80	.67	.67	.82
Switchboard operators.....	.67	(?)	.70	.75	.76	(?)	.78	.74	.82	.68	(?)	.80
Switchboard-operator-receptionists.....	.66	(?)	.65	.68	.69	(?)	.77	.67	.76	(?)	(?)	.84
Typists, copy, class A.....	.72	(?)	.67	(?)	.70	(?)	.75	.68	.77	(?)	(?)	.84
Typists, copy, class B.....	.60	(?)	.55	.67	.68	(?)	.64	.57	.67	.58	.61	.71
Men												
Bookkeepers, hand.....	\$1.09	\$0.98	\$1.06	(?)	\$1.07	\$1.04	\$1.16	(?)	\$1.22	\$1.29	\$1.02	\$1.16
Clerks, accounting.....	.97	1.01	1.05	\$0.96	1.11	1.00	.99	(?)	1.07	(?)	.96	(?)
Clerks, pay roll.....	(?)	1.03	(?)	(?)	1.01	(?)	1.09	(?)	(?)	(?)	.88	.93
Women												
Billing-machine operators.....	.71	.74	.85	.54	.67	(?)	.75	(?)	.80	(?)	.73	.61
Bookkeepers, hand.....	.95	.92	1.05	.80	.90	.80	1.03	\$0.85	1.00	.90	.92	.95
Bookkeeping-machine operators, class A.....	.82	(?)	.96	(?)	.80	(?)	.98	(?)	.99	(?)	(?)	(?)
Bookkeeping-machine operators, class B.....	(?)	.71	.85	(?)	.68	.70	.80	(?)	.87	(?)	.76	(?)
Calculating-machine operators, class A.....	.74	(?)	.87	(?)	.67	(?)	.75	(?)	.86	(?)	.72	(?)
Calculating-machine operators, class B.....	.65	.66	.78	(?)	.61	(?)	.71	(?)	.74	(?)	.63	(?)
Clerks, accounting.....	.81	.77	.88	.67	.69	.66	.76	.73	.86	.80	.75	.70
Clerks, file, class A.....	.68	(?)	.80	(?)	.65	.72	.74	(?)	.80	(?)	.70	.67
Clerks, file, class B.....	.58	.64	.68	.61	.54	.57	.59	.58	.65	.57	.54	.53
Clerks, order.....	(?)	.74	.91	(?)	.66	.68	.74	.63	.85	(?)	.74	.68
Clerks, pay roll.....	.72	.76	.89	.66	.68	.70	.73	.68	.82	.68	.76	.69
Clerk-typists.....	.64	.66	.78	.62	.57	.64	.64	.61	.70	.71	.59	.63
Stenographers, class A.....	.76	.80	.91	.83	.72	.77	.82	.81	.90	.84	.71	.72
Stenographers, class B.....	.62	.66	.85	.66	.62	.61	.73	.68	.80	.68	.66	.65
Switchboard operators.....	.69	.70	.84	.62	.70	.71	.72	(?)	.78	(?)	.69	(?)
Switchboard-operator-receptionists.....	.69	.68	.81	(?)	.65	.64	.74	.66	.76	.68	.70	.67
Typists, copy, class A.....	.70	.72	(?)	(?)	.64	(?)	.69	(?)	.80	.69	.65	(?)
Typists, copy, class B.....	.64	.56	.73	(?)	.56	.55	.60	(?)	.68	.56	.58	.63

See footnotes at end of table.

TABLE 102.—*Straight-time average hourly earnings¹ for selected Office Occupations in selected Metalworking Industries, by wage area, January 1945—Continued*

Occupation, grade, and sex	Average hourly earnings in—											
	Port-land, Oreg.	Provi-dence, R. I.	St. Louis, Mo.	San Fran-cisco, Calif.	Seattle, Wash.	South Bend, Ind.	Spring-field, Mass.	Syra-cuse, N. Y.	Toledo, Ohio	Tulsa, Okla.	Water-bury, Conn.	Worces-ter, Mass.
<i>Men</i>												
Bookkeepers, hand.....	\$1.09	(²)	\$0.89	\$1.29	\$1.31	(²)	(²)	(²)	(²)	\$0.99	(²)	(²)
Clerks, accounting.....	(²)	(²)	.90	1.01	1.22	\$1.13	\$0.96	\$0.93	\$1.00	.88	\$1.01	(²)
Clerks, pay roll.....	(²)	(²)	.71	(²)	(²)	(²)	.93	1.01	1.01	(²)	(²)	(²)
<i>Women</i>												
Billing-machine operators.....		\$0.76	.77	.76	(²)	(²)	.72	.67	(²)	(²)	.63	\$0.68
Bookkeepers, hand.....	.90	.88	.86	1.04	.95	1.00	.84	.84	.92	.92	1.00	.82
Bookkeeping-machine operators, class A.....		(²)	.74	1.03	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Bookkeeping-machine operators, class B.....		(²)	.67	.84	(²)	(²)	.76	.76	.79	(²)	.72	.65
Calculating-machine operators, class A.....		.64	.84	.83	(²)	(²)	.71	.82	.77	(²)	(²)	.63
Calculating-machine operators, class B.....		.61	.67	.83	.85	(²)	.63	.65	.71	(²)	.61	.58
Clerks, accounting.....	.83	.69	.71	.88	.86	.73	.71	.71	.78	.70	.74	.75
Clerks, file, class A.....	(²)	.72	(²)	.72	(²)	(²)	(²)	.59	.73	(²)	(²)	(²)
Clerks, file, class B.....	(²)	.57	.53	.67	.72	.54	.55	.52	.61	(²)	.58	(²)
Clerks, order.....	.73	.67	.59	.81	(²)	.78	.75	.69	(²)	(²)	.86	(²)
Clerks, pay roll.....	.83	.67	.66	.84	.88	.72	.72	.72	.75	.74	.68	.64
Clerk-typists.....	.68	.62	.55	.78	.74	.64	.67	.62	.68	(²)	.63	.59
Stenographers, class A.....	.82	.78	.74	.91	.82	.84	.80	.77	.79	.81	.77	.85
Stenographers, class B.....	.78	.66	.66	.82	.78	.69	.68	.64	.68	.70	.70	.64
Switchboard operators.....		.65	(²)	.78	.78	(²)	.74	.73	.74	(²)	.75	(²)
Switchboard-operator-receptionists.....	.79	.71	.61	.79	(²)	.65	.67	.61	.73	.63	.70	.68
Typists, copy, class A.....		(²)	.62	.74	(²)	(²)	.69	.62	.76	(²)	.63	(²)
Typists, copy, class B.....		.55	.57	.75	(²)	(²)	.57	.55	.59	(²)	.62	(²)

¹ Excludes premium pay for overtime.² Insufficient number of workers to justify presentation of an average.

Industry Wage Studies Bulletins*

Series 1—Occupational Wage Relationships

Bakeries, 1945—No. 6.
Electric Light and Power, 1945—No. 5.
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Furniture, Wood, 1945—No. 7.
Machinery, 1945—No. 1.
Machine Tool Accessories, 1945—No. 2.

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Textile Dyeing and Finishing, 1946—No. 10.
Textiles, Cotton, 1946—No. 9.
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Clay Products, Structural, 1945—No. 16.
Coal Mines, Bituminous, 1945—No. 12.
Copper Alloying, Rolling and Drawing, 1946—No. 35.
Cotton Garments, 1945—No. 15.
Cotton Garments, 1947—No. 64.
Department and Women's Ready-to-Wear Stores, 1948—No. 68.
Department and Clothing Stores, 1945—No. 26.
Dresses, Women's and Misses', 1945—No. 29.
Drugs and Medicines, 1946—No. 42.
Drugs, Wholesale, 1947—No. 56.
Electric Generating and Distribution Equipment, 1945—No. 14.
Electric Light and Power, 1945—No. 20.
Electroplating and Polishing, 1945—No. 4.
Fertilizer, 1948—No. 66.
Footwear, 1945—No. 23.
Forgings, Iron and Steel, 1945—No. 6.
Foundries, 1945—No. 8.
Foundries, 1946—No. 49.
Furniture, Metal, 1947—No. 52.
Furniture, Wood, 1945—No. 30.
Glassware, 1947—No. 53.
Grain Milling, 1948—No. 65.
Heating Apparatus, 1946—No. 46.

Hosiery, 1946—No. 32.
Insurance, Life, 1947—No. 58.
Jewelry, 1946—No. 31.
Knitwear, 1946—No. 48.
Laundries, Power, 1945—No. 18.
Leather Tanning, Currying, and Finishing, 1947—No. 57.
Limited-Price Variety Stores, 1945—No. 21.
Machinery, 1945—No. 1.
Machinery, 1946—No. 51.
Machine Tools, 1945—No. 3.
Machine Tool Accessories, 1945—No. 2.
Meat Products (except Big Four), 1947—No. 59.
Metal, Stamped and Pressed, 1947—No. 60.
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Paperboard Containers and Boxes, 1945—No. 33.
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Petroleum Refining, 1948—No. 71.
Pulp, Paper and Paperboard, 1945—No. 34.
Radios, 1945—No. 19.
Radios, 1947—No. 62.
Rubber Goods, Mechanical, 1947—No. 61.
Sawmilling in the South, 1946—No. 47.
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Soap and Glycerin, 1948—No. 69.
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Suits and Coats, Women's and Misses', 1946—No. 45.
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Textiles, Cotton, 1946—No. 37.
Textiles, Rayon and Silk, 1946—No. 41.
Textiles, Woolens and Worsteds, 1946—No. 40.
Utilities, Electric and Gas, 1948—No. 67.
Utilities, Gas, 1947—No. 54.
Warehousing, 1945—No. 24.

*These bulletins are available from the Bureau of Labor Statistics or any of its regional offices. Detailed job descriptions and locality releases are also available.