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WAGES AND HOURS OF LABOR SERIES

**WAGES AND HOURS OF LABOR IN
FOUNDRIES AND MACHINE SHOPS
1925**



JANUARY, 1927

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WAGES AND HOURS OF LABOR IN FOUNDRIES AND MACHINE SHOPS IN 1925

INTRODUCTION AND SUMMARY

In 1925 the Bureau of Labor Statistics of the United States Department of Labor made a study of wages and hours of labor of wage earners in foundries and machine shops in the United States. The study is one of the bureau's regular wage series. It was not practical for the bureau to make a complete census of all plants, but data were obtained from a sufficient number in each State in which the industry is of material importance fairly to represent conditions in those States and in the country as a whole. The States included in the study were determined by the number of wage earners reported in the industry by the Census of Manufactures of the United States. Data are shown for 28 States or those with a sufficient number of wage earners in the industry to warrant inclusion.

The machine shops included in the study are engaged in the machining and assembling of parts for and the construction of engines; of textile, mining, laundry, wood-working, excavating, road-building, hoisting, steel-mill, and rolling-mill machinery; of ice, brick, rubber, shoe, and sugar making machinery; of cotton gins, elevators, conveyers, pumps, printing presses, machine tools (machines used in machine shops), etc. A number of machine shops which were engaged in general machine-shop repair work are also included. While the machines used in the establishments included in the study vary in type and size with the manufactured product the operations are essentially the same. The foundries included were mainly engaged in casting parts for the same class of product. In a large number of cases both a foundry and a machine shop were in the same plant.

Average hours and earnings for 1925 are presented in this report by occupations for a total of 40,393 wage earners in 413 foundries and 86,274 wage earners in 511 machine shops. Summary figures for 1923 for 32,166 wage earners in 351 foundries and 58,914 wage earners in 429 machine shops were taken from Bulletin 362 and are shown in Table 1 by occupations in comparison with 1925 averages.

The data were taken by agents of the bureau in practically all instances directly from the pay rolls and other records of the establishments. Approximately 90 per cent of the 1925 pay rolls are for a pay period in April, May, or June. The 1923 figures are in most cases for a pay period in February, March, or April.

Average full-time hours per week for males in foundries, for the United States as a whole, were 52.4 in 1923 and 51.5 in 1925 and in machine shops 50.8 in 1923 and 50.4 in 1925, thus showing an average reduction of nine-tenths of an hour per week in foundries and four-tenths of an hour per week in machine shops. The averages for males are the same as for both sexes combined, due to the fact that in foundries but 310 of the 32,166 employees covered in 1923 and 478 of the 40,393 employees covered in 1925 were females, and that in machine shops but 408 of the 58,914 employees included in 1923 and 1,075 of the 86,274 employees covered in 1925 were females. The average hours for females in foundries were 49.3 per week in 1923 and 49 in 1925, and in machine shops 49.1 per week in 1923 and 49.3 in 1925.

Average earnings per hour in foundries for males in all occupations combined were 56 cents in 1923 and 61.2 cents in 1925; for females, 40.4 cents in 1923 and 42.7 cents in 1925; and for both sexes in all occupations combined average earnings per hour were 55.8 cents in 1923 and 61 cents in 1925. Average earnings per hour for males in 1923 ranged from 42.8 cents for laborers to 75 cents for pattern makers, and in 1925 from 46 cents for floor molders' helpers to 80.4 cents per hour for pattern makers. Core makers, female, earned 43.1 cents per hour in 1923 and 44.4 cents in 1925, and laborers, female, earned 31.6 cents in 1923 and 38.2 cents in 1925. No data are shown for females in any other occupations in foundries except "Other foundry employees" in 1923.

In machine shops average earnings per hour for males in all occupations combined were 56 cents in 1923 and 60.4 cents in 1925; for females, 36.6 cents in 1923 and 42 cents in 1925; and for both sexes or for the industry, 55.9 cents in 1923 and 60.2 cents in 1925. Average earnings per hour for males in 1923 ranged from 41.8 cents for laborers to 69.3 cents for toolmakers, and in 1925 from 45.6 cents for laborers to 72.7 cents for toolmakers. Averages for females ranged from 31 cents for grinding-machine hands and operators to 42.2 cents for other machine hands and operators in 1923, and from 35.4 cents for packers and craters to 49.7 cents per hour for milling-machine hands and operators in 1925.

Average full-time earnings per week in foundries for males in all occupations combined were \$29.34 in 1923 and \$31.52 in 1925; for females, \$19.92 in 1923 and \$20.92 in 1925; and for both sexes or for the industry average full-time earnings were \$29.24 per week in 1923 and \$31.42 in 1925. Average full-time earnings per week for males in 1923 ranged from \$22.60 for floor molders' helpers to \$38.38 for pattern makers, and in 1925 from \$23.83 per week for floor molders' helpers to \$40.52 per week for pattern makers.

In machine shops average full-time earnings per week for males in all occupations combined were \$28.45 in 1923 and \$30.44 in 1925; for females, \$17.97 in 1923 and \$20.71 in 1925; and for both sexes or for the industry, \$28.40 in 1923 and \$30.34 in 1925. Average full-time earnings per week for males ranged from \$21.35 for laborers to \$34.93 for toolmakers in 1923; from \$23.07 for laborers to \$36.35 for toolmakers in 1925; for females, from \$16.06 for other skilled employees to \$20.58 for fitters and bench hands in 1923; and from \$17.59 for packers and craters to \$24.55 for milling-machine hands and operators.

TABLE 1.—AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR AND PER WEEK, 1923 AND 1925, BY OCCUPATION AND SEX

Foundries							
Occupation	Sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Chippers and rough grinders.....	Male.....	1923	319	2,923	52.5	\$0.465	\$24.41
	do.....	1925	383	4,110	51.5	.521	26.83
Core makers.....	do.....	1923	345	2,526	51.4	.690	35.47
	do.....	1925	393	3,067	50.3	.734	36.92
Do.....	Female.....	1923	22	240	49.2	.431	21.21
	do.....	1925	39	353	48.6	.444	21.58
Crane operators.....	Male.....	1923	197	593	53.5	.522	27.93
	do.....	1925	236	772	52.7	.562	29.62
Cupola tenders.....	do.....	1923	342	556	52.4	.546	28.61
	do.....	1925	380	567	51.9	.635	32.96
Laborers.....	do.....	1923	343	9,264	53.5	.428	22.90
	do.....	1925	389	10,931	52.5	.481	25.25
Do.....	Female.....	1923	8	68	49.4	.316	15.61
	do.....	1925	17	125	50.2	.382	19.18
Molders, hand, bench.....	Male.....	1923	262	2,379	51.3	.687	35.24
	do.....	1925	325	2,363	50.2	.768	38.55
Molders, hand, floor.....	do.....	1923	346	4,904	51.2	.729	37.32
	do.....	1925	461	5,612	50.4	.802	40.42
Molders, machine.....	do.....	1923	161	1,993	51.9	.678	35.19
	do.....	1925	229	3,140	50.1	.733	36.72
Molders' helpers, floor.....	do.....	1923	234	1,986	52.2	.433	22.60
	do.....	1925	285	2,642	51.8	.460	23.83
Pattern makers.....	do.....	1923	283	1,314	51.1	.750	38.30
	do.....	1925	346	1,827	50.4	.804	40.52
Rough carpenters.....	do.....	1923	261	680	53.0	.534	27.77
	do.....	1925	263	634	51.1	.591	30.20
Other employees.....	do.....	1923	304	2,737	53.6	.533	28.90
	do.....	1925	378	4,250	52.7	.576	30.36
Do.....	Female.....	1923	2	2	51.0	.265	10.46
	do.....	1925	(¹)	(¹)	(¹)	(¹)	(¹)
All occupations.....	Male.....	1923	351	31,856	52.4	.560	29.34
	do.....	1925	413	39,915	51.5	.612	31.52
Do.....	Female.....	1923	22	310	49.3	.404	19.92
	do.....	1925	39	478	49.0	.427	20.92
All occupations, male and female.....	do.....	1923	351	32,166	52.4	.558	29.24
	do.....	1925	413	40,393	51.5	.610	31.42

Machine shops

Assemblers.....	Male.....	1923	310	5,681	50.6	\$0.575	\$29.10
	do.....	1925	306	7,151	49.6	.634	31.45
Do.....	Female.....	1923	6	54	50.2	.350	17.57
	do.....	1925	9	150	50.7	.444	22.51
Blacksmiths.....	Male.....	1923	345	797	50.8	.678	34.44
	do.....	1925	395	885	50.2	.717	35.99
Blacksmiths' helpers.....	do.....	1923	282	945	50.8	.489	24.84
	do.....	1925	298	857	50.5	.504	25.45
Boring-mill hands and operators.....	do.....	1923	271	1,455	50.8	.690	33.53
	do.....	1925	341	2,135	50.4	.688	34.63
Crane operators.....	do.....	1923	167	525	51.1	.501	25.60
	do.....	1925	214	754	50.7	.524	26.57
Drill-press hands and operators.....	do.....	1923	350	3,634	50.8	.527	26.77
	do.....	1925	423	5,012	50.4	.579	29.18
Do.....	Female.....	1923	5	33	49.5	.410	20.30
	do.....	1925	16	93	49.0	.477	23.37
Fitters and bench hands.....	Male.....	1923	271	4,721	49.9	.616	30.74
	do.....	1925	388	8,157	49.8	.643	32.02
Do.....	Female.....	1923	4	60	49.0	.420	20.58
	do.....	1925	14	146	49.3	.468	23.07
Grinding-machine hands and operators.....	Male.....	1923	221	1,255	50.5	.586	29.59
	do.....	1925	267	2,016	50.3	.637	32.04
Do.....	Female.....	1923	2	2	52.0	.310	16.12
	do.....	1925	(¹)	(¹)	(¹)	(¹)	(¹)
Laborers.....	Male.....	1923	375	8,355	51.1	.418	21.35
	do.....	1925	439	9,833	50.6	.456	23.07
Do.....	Female.....	1923	5	30	48.2	.323	15.57
	do.....	1925	(¹)	(¹)	(¹)	(¹)	(¹)

¹Included with laborers.

¹Included with other employees.

4 WAGES AND HOURS—FOUNDRIES AND MACHINE SHOPS

TABLE 1.—AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR AND PER WEEK, 1923 AND 1925, BY OCCUPATION AND SEX—Continued

Machine shops—Continued

Occupation	Sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Lathe hands and operators, engine.....	Male.....	1923	347	4,421	50.9	\$0.633	\$32.22
	do.....	1925	401	5,856	50.3	.663	33.35
Lathe hands and operators, turret.....	do.....	1923	251	2,147	50.5	.610	30.81
	do.....	1925	328	3,393	50.2	.647	32.48
Do.....	Female.....	1923					
	do.....	1925	3	27	49.9	.488	24.35
Machinists.....	Male.....	1923	331	2,952	50.0	.688	34.15
	do.....	1925	374	3,820	49.9	.702	35.03
Machinists' and toolmakers' helpers.....	do.....	1923	251	1,616	50.4	.464	23.39
	do.....	1925	262	1,641	49.8	.494	24.60
Milling-machine hands and operators.....	do.....	1923	268	1,938	50.0	.605	30.25
	do.....	1925	359	2,925	49.7	.653	32.45
Do.....	Female.....	1923					
	do.....	1925	7	32	49.4	.497	24.55
Packers and craters.....	Male.....	1923	(1)	(1)	(1)	(1)	(1)
	do.....	1925	274	1,488	50.5	.520	26.26
Do.....	Female.....	1923	(1)	(1)	(1)	(1)	(1)
	do.....	1925	10	68	49.7	.354	17.56
Planer hands and operators.....	Male.....	1923	272	1,339	50.6	.663	33.55
	do.....	1925	327	1,838	50.2	.705	35.39
Screw-machine hands and operators.....	do.....	1923	177	1,047	50.6	.564	29.54
	do.....	1925	215	1,482	49.8	.643	32.02
Other machine hands and operators.....	do.....	1923	289	2,670	50.5	.556	28.08
	do.....	1925	371	4,066	50.5	.630	31.82
Do.....	Female.....	1923	6	76	48.2	.422	20.34
	do.....	1925	16	201	48.8	.441	21.52
Toolmakers.....	Male.....	1923	274	1,661	50.4	.698	34.93
	do.....	1925	346	2,573	50.0	.727	36.35
Other skilled employees.....	do.....	1923	366	5,312	50.9	.618	31.46
	do.....	1925	458	9,602	50.4	.647	32.61
Do.....	Female.....	1923	4	36	51.3	.313	16.06
	do.....	1925	13	215	48.9	.372	18.19
Other employees.....	Male.....	1923	386	6,035	52.0	.459	23.87
	do.....	1925	498	9,715	52.5	.514	26.99
Do.....	Female.....	1923	8	117	48.7	.325	15.83
	do.....	1925	23	143	49.2	.352	17.32
All occupations.....	Male.....	1923	429	58,506	50.8	.560	28.45
	do.....	1925	511	85,199	50.4	.604	30.44
Do.....	Female.....	1923	19	408	49.1	.366	17.97
	do.....	1925	36	1,075	49.3	.420	20.71
All occupations, male and female.....		1923	429	58,914	50.8	.559	28.40
		1925	511	86,274	50.4	.602	30.34

¹ Included with laborers.

Table 2 shows for 1925 average full-time hours per week, average earnings per hour, and average full-time earnings per week in foundries and in machine shops for each of the 28 States included in the 1925 study and for all States combined.

Average full-time hours in foundries range from 47.1 per week in Oregon to 56.1 in Georgia and in machine shops from 46.4 in California to 54.5 in Kansas. The industry average for all the States combined is 51.5 hours per week for foundries and 50.4 per week for machine shops.

Average earnings per hour in foundries range from 37.6 cents in Georgia to 69.2 cents in California and in machine shops from 42.9 cents in Georgia to 73.9 cents in California. The average for all the States combined is 61 cents for foundries and 60.2 cents for machine shops.

Average full-time earnings per week in foundries range from \$21.09 in Georgia to \$34 in Illinois and in machine shops from \$23.25 in Georgia to \$34.29 in California. The average for all the States combined is \$31.42 for foundries and \$30.34 per week for machine shops.

TABLE 2.—AVERAGE FULL-TIME HOURS PER WEEK, EARNINGS PER HOUR, AND FULL-TIME EARNINGS PER WEEK, 1925, BY STATE

Foundries					
State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
Alabama.....	5	306	54.6	\$0.436	\$23.81
California.....	13	764	47.6	.692	32.94
Colorado.....	4	314	52.9	.554	29.31
Connecticut.....	16	1,688	50.9	.597	30.39
Georgia.....	11	615	56.1	.376	21.09
Illinois.....	30	3,052	52.3	.650	34.00
Indiana.....	13	1,558	50.7	.609	30.88
Iowa.....	13	1,151	54.3	.556	30.19
Kansas.....	9	242	53.4	.506	27.02
Kentucky.....	9	213	51.2	.529	27.08
Louisiana.....	5	273	50.0	.486	24.30
Maine.....	4	298	49.3	.605	29.83
Maryland.....	7	429	51.8	.559	28.96
Massachusetts.....	21	2,655	48.9	.682	33.35
Michigan.....	43	4,771	50.6	.636	32.18
Minnesota.....	6	627	54.8	.565	30.96
Missouri.....	15	808	53.0	.579	30.69
New Hampshire.....	7	266	49.5	.640	31.68
New Jersey.....	19	2,239	51.9	.604	31.35
New York.....	23	3,260	50.4	.574	28.93
Ohio.....	40	4,996	53.3	.610	32.51
Oregon.....	8	212	47.1	.648	30.52
Pennsylvania.....	41	5,595	50.9	.627	31.91
Rhode Island.....	8	1,084	51.3	.614	31.49
Tennessee.....	7	532	50.8	.420	21.34
Texas.....	9	390	52.3	.468	24.48
Washington.....	7	352	47.9	.685	32.81
Wisconsin.....	14	1,703	52.0	.610	31.72
All States.....	413	40,393	51.5	.610	31.42

Machine shops					
State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
Alabama.....	9	323	54.4	\$0.523	\$28.45
California.....	18	1,657	46.4	.739	34.29
Colorado.....	2	245	48.7	.592	28.83
Connecticut.....	18	3,412	50.7	.586	29.71
Georgia.....	12	390	54.2	.429	23.25
Illinois.....	37	8,564	49.8	.665	33.12
Indiana.....	15	3,057	53.0	.544	28.83
Iowa.....	7	892	54.1	.492	26.62
Kansas.....	11	302	54.5	.529	28.83
Kentucky.....	10	396	50.9	.484	24.64
Louisiana.....	8	243	50.9	.537	27.33
Maine.....	4	758	49.1	.537	26.37
Maryland.....	9	836	48.8	.603	29.43
Massachusetts.....	39	7,659	49.3	.609	30.02
Michigan.....	35	5,837	51.6	.600	30.96
Minnesota.....	7	846	50.7	.575	29.15
Missouri.....	18	1,229	52.9	.530	28.04
New Hampshire.....	8	1,205	50.0	.604	30.20
New Jersey.....	31	3,461	49.7	.635	31.56
New York.....	21	9,450	48.6	.624	30.33
Ohio.....	77	13,258	50.8	.587	29.81
Oregon.....	10	398	48.1	.655	31.51
Pennsylvania.....	47	12,112	51.1	.605	30.92
Rhode Island.....	12	3,422	51.2	.580	28.67
Tennessee.....	8	416	50.1	.549	27.50
Texas.....	14	963	51.1	.533	27.24
Washington.....	8	558	47.9	.690	33.05
Wisconsin.....	16	4,385	51.3	.583	29.91
All States.....	511	86,274	50.4	.602	30.34

Table 3 shows a summary of the distribution of employees in the principal occupations in foundries and machine shops for 1923 and 1925 according to their full-time hours per week. The figures are shown in detail for each State for 1925 in Table D, page 89. These occupations were selected as representative of all of the occupations in the industry. They include unskilled, semi-skilled, and skilled employees, and represent 84 per cent of the wage earners in foundries and 67 per cent of those in machine shops. The classification of employees in the other occupations would be largely repetition of the spread or variation within these occupations and therefore they have been omitted to conserve time and space.

The regular or customary full-time hours per week are the number of hours that a foundry or machine shop under normal conditions is in operation without taking into consideration the hours actually worked by individual employees during the period covered.

Full-time weekly hours of employees in each of the 22 occupations in the following table were less in 1925 than in 1923. The full-time hours of 59 per cent of the employees in the 8 occupations in foundries were 50 per week or less in 1925 compared with 49 per cent in 1923, and of 72 per cent of the employees in the 14 occupations in machine shops were 50 hours or less in 1925 compared with 66 per cent in 1923. The reductions in full-time weekly hours, however, are due not so much to a shortening of the hours per day as they are to the recent practice in some plants of eliminating work on Saturday.

TABLE 3.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN SPECIFIED OCCUPATIONS, 1923 AND 1925, BY SEX

Foundries

Occupation	Sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Per cent of employees whose full-time hours per week were—												
						Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
						Chippers and rough grinders.....	Male.....	1923	319	2,923	52.5		1	(1)	22	9	14	8
do.....	do.....	1925	383	4,110	51.5	(1)	1	6	20	5	22	7	26	2	7	1	8	(1)
Core makers.....	do.....	1923	345	2,526	51.4		3	1	33	6	13	9	21		7	2	5	2
do.....	do.....	1925	303	3,067	50.3	2	2	5	31	5	20	5	19	(1)	6	(1)	3	(1)
Do.....	Female.....	1923	22	240	49.2		13	5	24	20	20	3	14		1			
do.....	do.....	1925	43	353	48.6	4	8	6	27	15	29	3	5		2			
Laborers.....	Male.....	1923	343	9,265	53.5	(1)	(1)	(1)	22	4	12	6	26	(1)	9	1	11	6
do.....	do.....	1925	389	10,981	52.5	(1)	1	4	18	6	21	6	22	1	6	1	10	4
Molders, hand, bench.....	do.....	1923	262	2,379	51.3		2	1	27	15	13	8	23		6	2	2	3
do.....	do.....	1925	325	2,363	50.2	3	3	5	22	11	24	9	17	2	1	(1)	3	3
Molders, hand, floor.....	do.....	1923	346	4,904	51.2	(1)	3	2	37	8	13	7	20		6	1	6	2
do.....	do.....	1925	401	5,612	50.4	2	2	5	33	4	17	6	20	(1)	5	1	4	2
Molders, machine.....	do.....	1923	161	1,993	51.9	(1)	(1)		23	6	16	10	27		11	1	6	3
do.....	do.....	1925	229	3,140	50.1	5	(1)	5	24	6	28	9	17	(1)	3	(1)	3	2
Molders' helpers, floor.....	do.....	1923	234	1,986	52.2		3	(1)	25	2	15	7	28		8	2	8	2
do.....	do.....	1925	285	2,642	51.8	1	3	6	19	3	18	6	26	(1)	4	2	11	4
Pattern makers.....	do.....	1923	283	1,314	51.1		6	2	24	8	19	8	16		9	2	4	(1)
do.....	do.....	1925	346	1,827	50.4	(1)	3	8	22	9	27	6	12	1	8	2	3	3

1 Less than 1 per cent.

INTRODUCTION AND SUMMARY

TABLE 3.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN SPECIFIED OCCUPATIONS, 1923 AND 1925, BY SEX—Continued

Machine shops

Occupation	Sex	Year	Number of establishments	Number of employees	Average full-time hours per week	Per cent of employees whose full-time hours per week were—												
						Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Assemblers.....	Male.....	1923	310	5,681	50.6	(1)	3	4	26	4	26	8	6		16	5	1	(1)
do.....	do.....	1925	206	7,151	49.6	(1)	1	5	31	5	35	7	4	(1)	8	2	(1)	(1)
Boring-mill hands and operators.....	do.....	1923	271	1,455	50.8	(1)	5	4	24	4	25	9	7		15	4	1	1
do.....	do.....	1925	341	2,135	50.4		2	7	25	7	26	9	8	1	12	2	(1)	(1)
Drill-press hands and operators.....	do.....	1923	350	3,634	50.8	(1)	4	2	27	4	28	9	7		12	5	1	1
do.....	do.....	1925	423	5,012	50.4	(1)	3	5	27	5	30	10	6	(1)	10	2	1	1
Fitters and bench hands.....	do.....	1923	271	4,721	49.9		14	3	26	3	23	9	4		12	3	1	(1)
do.....	do.....	1925	388	8,157	49.8	(1)	5	11	29	4	25	10	4	(1)	8	3	1	(1)
Grinding-machine hands and operators.....	do.....	1923	221	1,255	50.5	(1)	7	3	23	2	30	10	5	(1)	13	5	1	(1)
do.....	do.....	1925	267	2,016	50.3		2	5	28	4	32	10	6	(1)	10	2	(1)	(1)
Laborers.....	do.....	1923	375	8,355	51.1		4	2	26	3	27	8	6		15	3	1	1
do.....	do.....	1925	439	9,833	50.6	(1)	3	5	26	4	31	9	8	(1)	11	5	1	1
Lathe hands and operators, engine.....	do.....	1923	347	4,421	50.9	(1)	7	3	25	4	25	9	9		13	3	1	1
do.....	do.....	1925	401	5,856	50.3		4	7	24	6	29	8	8	1	10	1	(1)	1
Lathe hands and operators, turret.....	do.....	1923	251	2,147	50.5	(1)	4	2	35	3	25	8	8		12	1	1	1
do.....	do.....	1925	328	3,393	50.2		3	4	32	6	29	8	5	(1)	11	1	(1)	(1)
Machinists.....	do.....	1923	331	2,952	50.0		12	5	29	3	21	13	4		11	1	1	1
do.....	do.....	1925	374	3,820	49.9	(1)	8	4	29	7	25	8	(1)		7	3	(1)	(1)
Machinists' and toolmakers' helpers.....	do.....	1923	251	1,616	50.4		9	1	35	3	18	5	12		12	1	(1)	(1)
do.....	do.....	1925	262	1,641	49.8	(1)	10	8	23	3	29	7		1	10	1	(1)	1
Milling-machine hands and operators.....	do.....	1923	268	1,938	50.0		7	4	34	3	24	9	4		7	4	(1)	1
do.....	do.....	1925	339	2,925	49.7		3	10	32	6	27	8		(1)	12	4	(1)	1
Planer hands and operators.....	do.....	1923	272	1,539	50.6		7	3	24	2	26	9			10	3	(1)	1
do.....	do.....	1925	327	1,838	50.2	(1)	5	7	35	4	27	9		1	10	3	(1)	1
Screw-machine hands and operators.....	do.....	1923	177	1,047	50.6		4	2	30	4	27	9			13	3	(1)	1
do.....	do.....	1925	215	1,482	49.8		3	8	30	7	27	11		(1)	8	4	(1)	1
Toolmakers.....	do.....	1923	274	1,661	50.4		6	2	30	3	27	11			11	4	(1)	(1)
do.....	do.....	1925	346	2,573	50.0		6	6	32	4	30	11		(1)	8	2	(1)	(1)

WAGES AND HOURS—FOUNDRIES AND MACHINE SHOPS

¹ Less than 1 per cent

While the full-time hours per week are by far the best measure of the customary hours of operation in a plant, they do not show the variation in hours for each day in a week. For example, in some plants the hours may be 8 per day for 6 days. In others the hours may be $8\frac{1}{4}$ Monday to Friday and $6\frac{3}{4}$ on Saturday, or $8\frac{1}{2}$ hours Monday to Friday and $5\frac{1}{2}$ hours on Saturday, or $8\frac{3}{4}$ hours Monday to Friday and 5 hours on Saturday, etc. In each case the full-time hours per week are 48.

In order that the variation in the working time of employees in the various plants may be clearly shown, a classification of establishments according to their full-time or customary hours of operation by day from Monday to Friday, on Saturday, and per week is presented in Table 4. The classification begins with the lowest and ends with the highest number of hours per week. The customary hours of labor of 39 of the 413 foundries covered in the study were less than 48 per week, of 96 were 48 per week, of 80 were 50 per week, of 95 were 54 per week, and of 25 were 60 hours per week. The hours of 1 plant were 61 per week and the hours of the remaining 77 plants were between 48 and 60 per week. The hours in machine shops ranged from $43\frac{3}{4}$ per week for 1 establishment to 60 per week for 5 establishments. The hours of 107 machine shops were 48 per week, of 153 were 50 per week, and of 55 were 54 per week.

As there is very little regular night work in the foundries and machine shops the hours of the table are for day work only.

TABLE 4.—NUMBER OF ESTABLISHMENTS HAVING CLASSIFIED CUSTOMARY FULL-TIME HOURS, MONDAY TO FRIDAY, SATURDAY, AND PER WEEK, 1925, BY STATE

Foundries

State	Number of establishments	Number of establishments whose full-time hours were—																						
		Monday to Friday	8	8½	8	8	8	8	9	8	8	8½	9½	8	8½	8½	8½	8½	8½	8½	8½			
		Saturday	0	0	10	4	4½	5	0	6½	7	4½	0	8	6½	5½	5	4½	4½	10	4½	4½	5	4
Per week	40	42½	44	44	44½	45	45	46½	47	47	47½	48	48	48	48	48	48	48	48	48	48	48	48	48
Alabama	5		1																					
California	13			3	1								1		1		1		1	1	1			
Colorado	4	1																						
Connecticut	16												3		2			1						
Georgia	11																							
Illinois	30												6										1	1
Indiana	13	2																						
Iowa	13							1					1											
Kansas	9								1															
Kentucky	9	1							1															
Louisiana	5				2																			
Maine	4				1																			
Maryland	7									1														
Massachusetts	21						1	1			1							1					3	
Michigan	43	1				1	1	3														1		
Minnesota	6																							
Missouri	15												4											
New Hampshire	7												3											
New Jersey	19												1		1					1				
New York	23	1						3					2		1			1				1		
Ohio	46						2	1					11											
Oregon	8				1				1															
Pennsylvania	41						1						3	1	1	1						2		
Rhode Island	8																							
Tennessee	7				1				1															
Texas	9																						1	
Washington	7											1	1											
Wisconsin	14							2																
Total	413	6	1	3	6	1	7	11	1	1	1	1	67	1	7	1	1	3	1	2	9	1	1	

State	Number of establishments	Number of establishments whose full-time hours were—																						
		Monday to Friday	9	10	8½	9	9½	8½	9	9	8	9	10	9½	8½	9	9½	9	10½	9½	9	9½	9	
		Saturday	4½	0	0	4	0	8½	4½	0	8	5	0	4½	8½	6	5	7	4½	0	0	7½	5	8
Per week	48	48	48½	49	49	49½	49½	49½	50	50	50	50½	51	51	51½	52	52	52½	52½	52½	52½	53		
Alabama	5																							
California	13			1																				
Colorado	4									1														
Connecticut	16		1								5	1												
Georgia	11										2													
Illinois	30							1			2											2		
Indiana	13										3											1	1	
Iowa	13										2					1								
Kansas	9																							
Kentucky	9								1															
Louisiana	5										3													
Maine	4										2							1						
Maryland	7										3													
Massachusetts	21										3													
Michigan	43								1		3													
Minnesota	6								1															
Missouri	15										11													
New Hampshire	7										2	1												
New Jersey	19										5			1	1				1				1	
New York	23		1								5	1										1	1	
Ohio	46										4	1												
Oregon	8																							
Pennsylvania	41								1															
Rhode Island	8										11	1					1				1	1	1	
Tennessee	7										4													
Texas	9										3													
Washington	7										1													
Wisconsin	14																						2	1
Total	413		1	1	1	4	1	1	7	1	1	74	5	1	3	1	1	1	1	1	1	1	7	3

1 Work 8 hours every alternate Saturday. 4 Work 7½ hours every Friday. 7 Work 9 hours every alternate Saturday.
 2 Work 9½ hours every alternate Saturday. 5 Work 8½ hours every alternate Saturday. 8 Work 9 hours on 2 days of the week.
 3 Work 8 hours every Friday. 6 Work 10 hours every Wednesday. 9 Work 9½ hours every alternate Saturday.

TABLE 4.—NUMBER OF ESTABLISHMENTS HAVING CLASSIFIED CUSTOMARY FULL-TIME HOURS, MONDAY TO FRIDAY, SATURDAY, AND PER WEEK, 1925, BY STATE—Continued

Foundries—Continued

State	Number of establishments	Number of establishments whose full-time hours were—																						
		Monday to Friday.....	9½	9	9½	9¼	9	8¾	9¼	9½	9⅝	9¾	9½	11 10	10	9¼	10	10	10	10¼	10	10	10½	
		Saturday...	5½	8½	6	10 0	9	8¾	7¼	7½	7½	5¼	5	5	4½	8½	5	5½	6	5¼	9	10	8½	
Per week...	53	53½	53½	53½	54	54	54	54	54	54	54	54	54	54½	54¼	55	55½	56	56½	59	60	61		
Alabama.....	5		1			1				1						1								
California.....	13					1																		
Colorado.....	4				1																			
Connecticut.....	16					3																		
Georgia.....	11					1										2	1	1				2		
Illinois.....	30		1			9					1					1					1	6		
Indiana.....	13					3															1	1		
Iowa.....	13					7											1					1		
Kansas.....	9		1			6																1		
Kentucky.....	9															1								
Louisiana.....	5								1										1		1	1		
Maine.....	4																							
Maryland.....	7					1																		
Massachusetts.....	21					4																1		
Michigan.....	43					10											5					1		
Minnesota.....	6					3											1					1		
Missouri.....	15					4							1						3	1				
New Hampshire.....	7					1																		
New Jersey.....	19					4				1												1		
New York.....	23					7																		
Ohio.....	46					12												4				7		
Oregon.....	8																							
Pennsylvania.....	41					3								3	1		1	1	6					
Rhode Island.....	8		1																					
Tennessee.....	7														1							1		
Texas.....	9					1	1	1						1										
Washington.....	7																	2				2		
Wisconsin.....	14				1																			
Total.....	413		1	3	1	1	83	1	2	1	1	5	1	1	1	1	1	24	1	1	4	3	25	1

Machine shops

2054-27-2

State	Number of establishments	Number of establishments whose full-time hours were—																					
		Monday to Friday	8 ¹ / ₂	8	8	8	8	9	8	8 ¹ / ₂	8 ¹ / ₂	9 ¹ / ₂	8	8 ¹ / ₄	8 ¹ / ₂	11 ¹ / ₂	8 ³ / ₄	8 ³ / ₄	8 ⁷ / ₈	8 ³ / ₄	8 ³ / ₄	8 ³ / ₄	
		Saturday	0	4	4 ¹ / ₂	4 ³ / ₄	5	0	6 ¹ / ₂	4 ¹ / ₂	5	0	8	6 ³ / ₄	5 ¹ / ₂	5	5	4 ³ / ₄	4 ¹ / ₂	4 ¹ / ₄	5	4 ³ / ₄	4
Per week	43 ³ / ₄	44	44 ¹ / ₂	44 ³ / ₄	45	45	46 ¹ / ₂	47	47 ¹ / ₂	47 ¹ / ₂	48	48	48	48	48	48	48	48	48	48	48	48	
Alabama	9																						
California	18		10						1														
Colorado	2														1								
Connecticut	18				1																		
Georgia	12																						
Illinois	37		1	1								2								1	1		1
Indiana	15																						
Iowa	7						1					1											
Kansas	11		2																				
Kentucky	10		1									1									2		
Louisiana	8		4							1													
Maine	4		1							1													
Maryland	9		1	1											1								
Massachusetts	39	1	1			1	1					2					1	1	3		8		1
Michigan	35			1								1									1		
Minnesota	7																						
Missouri	18		1						1			1									2		
New Hampshire	8																				1		
New Jersey	31					1						1			1				3		4		1
New York	21		1												1						1		1
Ohio	77		2	1		4			1	1	1				1				1	1	5		1
Oregon	10											7	1		1								
Pennsylvania	47		1			1						1			1				2		1	2	
Rhode Island	12																						
Tennessee	8		1												1			2					
Texas	14											2			1								
Washington	8		1						1		2										2		
Wisconsin	16					2						6											
Total	511		1	28	4	1	9	2	1	4	6	1	25	1	9	1	4	7	14	37	1	1	4

¹ Work 8 hours every Friday.

¹⁰ Work 9¹/₂ hours every alternate Saturday.

¹¹ Work 9 hours every Friday.

INTRODUCTION AND SUMMARY

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TABLE 4.—NUMBER OF ESTABLISHMENTS HAVING CLASSIFIED CUSTOMARY FULL-TIME HOURS, MONDAY TO FRIDAY, SATURDAY, AND PER WEEK, 1925, BY STATE—Continued

Machine shops—Continued

State	Number of establishments	Number of establishments whose full-time hours were—																					
		Monday to Friday	4 1/2	9 1/2	10	8 1/2	8 3/4	8 1/2	9	9	9	9 1/4	10 1/4	10	9 1/2	9 3/4	9	9 1/2	9 1/2	9 1/4	9		
		Saturday	4 1/2	0	0	10	4 1/2	4 1/2	4	4 1/2	5	4 1/4	4	0	4 1/2	5	5 1/4	7	4 1/2	5	6	5 1/4	8
Per week	48	48	48	48 1/2	48 3/4	48 3/4	49	49 1/2	50	50	50	50	50 1/2	51	51 1/2	52	52	52 1/2	52 3/4	52 3/4	52 3/4	53	
Alabama	9									2													
California	18									1													
Colorado	2				1																		
Connecticut	18			1						10													
Georgia	12									3										1			
Illinois	37									5										4			
Indiana	15									7										3			
Iowa	7									2													
Kansas	11									1													
Kentucky	10																						
Louisiana	8									4													
Maine	4																						
Maryland	9																1						
Massachusetts	39									2													
Michigan	35								1	2										2			
Minnesota	7								1	4													
Missouri	18					1																1	
New Hampshire	8			1																			
New Jersey	31								1											1	1		
New York	21									14			1		1					1	1		
Ohio	77		1							5										1	1		
Oregon	10								3	7										3	3		
Pennsylvania	47								1					1	1		1			1	1		
Rhode Island	12																			1			
Tennessee	8																						
Texas	14									1													
Washington	8																						
Wisconsin	16																						
Total	511		1	1	1	1	1	1	7	22	149	1	1	2	2	1	1	1	9	20	1	1	1

State	Number of establishments	Number of establishments whose full-time hours were—																					
		Monday to Friday	9	9	9½	9¼	9½	9½	9¾	9¾	10	10	10	10	10	10	10½	10½	10¾	10	10	10	
		Saturday	8½	9	8½	7¾	7½	5¾	5¼	5	4½	4	5	4½	5	5½	6	5½	5¾	5¼	8	9	10
Per week	53½	54	54	54	54	54	54	54	54	54	54	54	54	55	55½	56	56	56½	56½	58	59	60	
Alabama	9		1	1			1								2								
California	18																						
Colorado	2																						
Connecticut	18			2					1						2								
Georgia	12		1												2	1	1						1
Illinois	37		5						3						5								
Indiana	15														2						1	1	
Iowa	7			2											1								
Kansas	11		1	3				1															2
Kentucky	10														1								1
Louisiana	8					1														1			
Maine	4																						
Maryland	9																						
Massachusetts	39		1						1						1							1	
Michigan	35														8								
Minnesota	7			1																			
Missouri	18		2						5	1				1									1
New Hampshire	8			1						1													
New Jersey	31																						
New York	21			2							1				1								
Ohio	77			2								1			1	12	3			1			
Oregon	10																						
Pennsylvania	47		1						5	3					1	8			1				
Rhode Island	12																						
Tennessee	8																						
Texas	14				1	2				1													
Washington	8																						
Wisconsin	16														3								
Total	511		2	24	1	3	1	1	18	4	1	1	1	2	48	4	1	1	1	1	1	4	5

* Work 8 hours every Friday. † Work 7½ hours every Friday. †† Work 9 hours every Friday. ††† Work 8¾ hours every alternate Saturday. †††† Work 9½ hours every Friday.

Table 5 presents a summary of the distribution of employees in 22 of the principal occupations in foundries and machine shops for 1923 and 1925 according to their earnings per hour. The figures are shown in detail for each State for 1925 in Table C, page 72.

The average earnings per hour of employees in the various occupations are shown in addition to the distribution and were computed by dividing the combined earnings of all employees in the occupation during the pay-roll period covered by the combined hours worked.

Earnings per hour of employees in each occupation for which data are shown have increased since 1923. The increase in some is small and in others of considerable importance. Bench molders in foundries and screw-machine hands and operators in machine shops increased approximately 8 cents per hour and floor molders increased a little more than 7 cents per hour. The smallest increase was 1.3 cents per hour in the occupation of female core makers. Machinists increased 1.9 cents per hour. The increase in the other occupations ranged from 2.7 cents for floor molders' helpers and fitters and bench hands to 5.9 cents per hour for assemblers.

TABLE 5.—AVERAGE EARNINGS PER HOUR AND PER CENT OF EMPLOYEES IN EACH CLASSIFIED GROUP OF EARNINGS PER HOUR, 1923 AND 1925, BY OCCUPATION AND SEX

Foundries

Occupation	Sex	Year	Number of establishments	Number of employees	Average earnings per hour	Per cent of employees whose earnings per hour were—													
						Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 50 cents	50 and under 60 cents	60 and under 70 cents	70 and under 80 cents	80 and under 90 cents	90 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and over
Chippers and rough grinders	Male	1923	319	2,923	\$0.465	1	1	2	6	12	42	25	7	2	1	(1)	(1)	(1)	-----
	do	1925	383	4,110	.521	(1)	1	1	2	6	34	33	13	5	3	1	(1)	(1)	-----
Core makers	do	1923	345	2,526	.690	-----	(1)	(1)	1	1	9	19	22	26	17	4	1	(1)	-----
	do	1925	393	3,067	.734	-----	(1)	(1)	(1)	1	6	13	19	20	19	14	7	(1)	(1)
Do	Female	1923	22	240	.431	3	4	10	12	15	25	20	8	2	1	-----	-----	-----	-----
	do	1925	43	353	.444	1	5	6	10	16	30	26	7	2	1	(1)	1	-----	-----
Laborers ¹	Male	1923	343	9,265	.428	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	do	1925	389	10,931	.481	(1)	1	2	4	8	47	29	6	2	2	1	(1)	(1)	(1)
Molders, hand, bench	do	1923	262	2,379	.687	(1)	(1)	(1)	1	1	5	20	27	27	14	4	2	(1)	(1)
	do	1925	325	2,363	.768	(1)	(1)	1	(1)	1	3	12	21	19	16	16	3	2	(1)
Molders, hand, floor	do	1923	346	4,904	.729	(1)	-----	(1)	(1)	(1)	2	11	25	31	22	5	3	(1)	(1)
	do	1925	401	5,612	.802	-----	-----	(1)	(1)	(1)	1	6	18	22	22	19	9	1	(1)
Molders, machine ¹	do	1923	161	1,993	.678	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	do	1925	229	3,140	.733	-----	-----	(1)	(1)	1	5	16	22	22	17	10	6	1	(1)
Molders' helpers, floor ¹	do	1923	234	1,986	.433	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	do	1925	285	2,642	.460	1	4	3	7	8	38	28	8	3	1	(1)	-----	-----	-----
Pattern makers	do	1923	283	1,314	.750	-----	-----	-----	(1)	-----	2	10	26	25	15	14	8	(1)	(1)
	do	1925	346	1,827	.804	-----	-----	-----	-----	-----	1	5	18	22	23	18	12	1	(1)

¹ Less than 1 per cent.

²Earnings per hour were not classified in 1923.

CHANGES IN REGULAR OR CUSTOMARY HOURS OF OPERATION

Between February 1, 1923, and the period covered in the 1925 study 396 of the 413 foundries for which 1925 data are presented reported "No change" in the regular or customary full-time hours per week, 2 reported increases, and 15 decreases. One plant increased hours one-half hour per week and one $7\frac{1}{2}$ hours per week. The decreases ranged from one-half hour to 5 hours per week. Four establishments reduced the regular hours of operation from 48 to 44 per week; and four from either 48 or 50 to 45 hours per week. Three reported decreases for only part of the employees.

In machine shops 486 of the 511 covered reported "No change" in full-time hours per week during the above period. Hours were reduced in 14 plants and increased in 11. The decreases ranged from 2 to $10\frac{1}{2}$ hours per week, the reduction in 9 plants being 5 hours or less. The increases ranged from one-half hour per week in 3 establishments to 10 hours per week in 1. The increases in 7 establishments were $2\frac{1}{2}$ hours per week or less.

CHANGES IN WAGE RATES

Wage rates in a large number of the plants covered remained stationary between February 1, 1923, and the period for which 1925 data were obtained. However, the trend of wages as a whole was upward, as most of the plants which changed wage rates increased them. Of the 413 foundries covered, 361 made no general change in wage rates, 45 made general increases, and 7 made general decreases. Twenty-six of the 361 plants reporting no general changes in wage rates, however, made increases to all employees in a few occupations—usually skilled—and 5 plants made reductions. A number of plants also changed the rates of individual employees. The number of such individual employees and increases or decreases were not available. General increases amounting to 10 per cent were made in 14 plants, to 5 per cent in 6 plants, to $12\frac{1}{2}$ per cent in 3 plants, to 8 per cent in 3 plants, and to 20 per cent in 2 plants. In 1 plant wage rates were increased 1 per cent and in another 30 per cent. The general decreases ranged from 5 to 15 per cent.

General wage changes were made in 57 machine shops included in the 1925 study. Increases were made in 54 and decreases were made in 3 plants. Of the 454 plants reporting no general change, 13 made increases in the wage rates of employees in a few occupations and 5 made decreases. As in foundries, a number of plants changed wage rates of individual employees.

The general increases ranged from 1 per cent in 1 establishment to 20 per cent in 2 establishments. An increase of 10 per cent was made in 22 plants, of 5 per cent was made in 6 plants, of 8 per cent was made in 3 plants, and an increase of 11 per cent was made in 2 plants. General decreases amounting to 10 per cent were made in 2 plants and to 5 cents per hour in 1 plant.

BONUSES AND PREMIUMS

Many different forms of bonuses or premiums were in force in various plants during the period between the 1923 and the 1925 studies. Most of them were in force at the time of the 1925 study.

A total of 365 of the 413 foundries covered in 1925 reported no bonus or premium systems in operation. The remaining 48 plants had bonus systems of various kinds—22 based on time saving, 12 on production, 5 on attendance and service, and 2 based on efficiency. Two paid a bonus to employees at Christmas time. In machine shops 413 had no bonus systems in operation. The time-saving bonus system was in operation in 70 plants, the attendance and service system in 12 plants, the production system in 8 plants, the system based on profits in 4 plants, and the system based on efficiency was in operation in 2 plants. A Christmas bonus system was in operation in 2 plants.

The time-saving bonus, which is the one most favored by the companies reporting, is a special form of production bonus. The time necessary to perform a certain operation or task is estimated either from actual experience or scientific methods. When an employee is given a task to do he is given a set time in which to complete it. If he does it in less than the time set for that particular task or operation, he is credited with and paid for the time saved according to the method of the plant in which he is employed. Some plants pay at the regular rate for the time saved, some for one-half, others for one-fourth, etc. An employee, however, is not penalized if he does not complete the task within the time set to perform it. He is paid his regular rate for all work.

EXTRA PAY FOR OVERTIME

Overtime is ordinarily understood to be anything worked in excess of the regular hours of labor per day or per week, but the overtime for which a higher rate than that paid for regular time is allowed varies considerably in different plants. A large number of the plants covered in this study did not pay any extra rate for overtime. In some the regular rate was paid until a certain number of hours per day were worked in addition to the customary hours of the plant. Others did not allow extra rate for time in excess of the normal hours per day until a certain number of hours had been worked during the week, etc. Most of the plants which did pay an extra rate for overtime allowed employees overtime rates for all work on Sunday and holidays.

Of the 413 foundries covered, 156 paid no additional rate for overtime work, 126 paid time and one-half for all overtime, 65 paid time and one-half for overtime on week days and double time for Sunday and holidays and 35 paid time and one-half for overtime on week days up until midnight, and double time after midnight, and all work on Sunday and holidays. The remaining 31 plants varied from time and one-quarter to double time for all overtime.

A higher percentage of machine shops allowed additional rate for overtime than foundries, as only 116 of the 511 covered reported no extra rate for overtime. A total of 202 plants paid time and one-half; 94 paid time and one-half for overtime on week days and double time on Sunday and holidays; 36 paid time and one-half for overtime on week days up until midnight and double time after midnight, and all work on Sunday and holidays; 20 paid time and one-quarter for all overtime; 15 paid double time for all overtime; and 11 paid time and one-quarter for all overtime on week days and time and one-half for Sunday and holidays. The remaining 17 plants varied from 15 per cent extra for all overtime to 33½ per cent extra after 6 p. m. on week days and double time for Sunday and holidays.

IMPORTANCE OF FOUNDRIES AND MACHINE SHOPS

The importance of this industry may be judged from the fact that nearly all, if not all, other industries depend upon the products of foundries and machine shops for tools and machinery to carry on their business.

The figures shown in Table 6 were taken from the United States Census reports for 1914, 1919, 1921, and 1923. These figures are shown under six different headings: Foundries and machine shops; engines, steam, gas, and water; textile machinery; steam fittings, etc.; machine tools; pumps (hand and power) and pumping equipment. While these articles are practically all produced in foundries and machine shops, the different groups have grown to such importance as to be treated separately by the census. Under these six headings are shown for each of the four years, the number of establishments, the cost of material, the value of products, the average number of employees, the average number of wage earners, amounts paid to wage earners, and the average yearly earnings of wage earners as computed by the Bureau of Labor Statistics.

A comparison of the figures for the four census years shows that the number of employees for 1919 is greater than for either of the other years, while the 1923 average per capita yearly earnings are greater than for any other year. The conditions for the year 1919 were abnormal. The demands upon the industry caused by the World War were still in effect and were largely responsible for the unusual number of employees, the large number of establishments, the high value of the products, and the large amount paid to wage earners. While the figures for 1919 are abnormally high, those for 1921 are abnormally low. A period of great depression in the industry followed the census for 1919 which extended into the census for 1921. The figures for 1923 show that the industry had by that time recovered from the slump of 1921, and had entered upon a period of development more nearly approximating natural or normal growth in the industry than is shown by the figures for either 1919 or 1921.

22 WAGES AND HOURS—FOUNDRIES AND MACHINE SHOPS

TABLE 6.—ESTABLISHMENTS, COST OF MATERIAL, VALUE OF PRODUCTS, WAGE EARNERS, EARNINGS, AND AVERAGE PER CAPITA EARNINGS FOR 1914, 1919, AND 1921

[From United States Census of Manufactures, 1921]

Industry	Number of establishments	Cost of material	Value of products	Average number of employees	Average number of wage earners	Amount paid to wage earners	Average per capita yearly earnings of wage earners
Foundry and machine shops:		<i>Millions</i>	<i>Millions</i>			<i>Millions</i>	
1914.....	10,640	358	367	421,149	362,471	\$244	\$673.56
1919.....	10,934	948	2,289	569,046	482,767	623	1,289.59
1921.....	9,013	653	1,566	390,816	321,363	412	1,283.16
1923.....	8,531	936	2,337	532,821	448,777	642	1,431.52
Engines, steam, gas, and water:							
1914.....	446	31	72	36,106	29,657	21	722.28
1919.....	370	218	465	96,193	77,617	105	1,358.41
1921.....	296	112	199	43,691	35,567	52	1,462.17
1923.....	249	125	267	57,995	48,495	71	1,461.55
Textile machinery:							
1914.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
1919.....	432	46	122	35,772	31,823	37	1,147.87
1921.....	421	45	129	34,469	31,025	39	1,251.59
1923.....	428	50	141	40,041	35,672	46	1,290.16
Steam fittings, etc.:							
1914.....	295	27	64	31,638	26,388	17	634.30
1919.....	261	72	160	43,791	36,686	46	1,246.87
1921.....	274	50	127	37,004	30,808	40	1,285.25
1923.....	236	83	222	51,127	44,141	65	1,468.17
Machine tools:							
1914.....	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
1919.....	403	59	212	61,630	53,111	66	1,246.05
1921.....	348	24	68	25,854	21,307	25	1,185.14
1923.....	350	41	137	40,101	33,373	47	1,418.42
Pumps, steam and other power:							
1914.....	183	9	24	8,722	8,322	6	667.53
1919.....	239	36	85	17,154	16,072	20	1,227.70
1921.....	221	27	70	16,442	12,186	14	1,146.36
1923.....	229	34	93	19,124	14,550	20	1,373.92
Total:							
1914.....	11,664	426	1,027	497,615	426,838	288	674.40
1919.....	12,639	1,379	3,353	824,186	696,076	896	1,253.80
1921.....	10,933	911	2,159	548,276	452,256	633	1,286.91
1923.....	10,028	1,298	3,196	740,909	626,008	891	1,426.33

¹ Included in foundry and machine shops prior to 1919.

SCOPE AND METHOD

The figures presented in this bulletin are limited to wage earners and cover all workers of this class, beginning with those who receive the raw materials and supplies, including all who perform the various operations of manufacture, and ending with those who pack or otherwise prepare the product for shipment. Executive employees, clerks, employees engaged in construction or repair of buildings, employees in forge and boiler shops, and those whose duties were mainly supervisory are excluded.

The study covered 413 foundries and 511 machine shops located in 28 States. In arranging the list of establishments from which data were to be obtained the bureau endeavored to select a sufficient number of representative plants from each State in which the industry was of material importance properly to illustrate conditions in the separate States and in the United States as a whole. The United States Census of Manufactures was used to determine the importance of the industry in the various States.

The actual number of plants and of wage earners covered in both foundries and machine shops in each State in 1925 are shown in Table 7. For comparison the figures as reported by the United States Census of Manufactures for 1923, the latest year for which

figures are available, are also shown. The table shows that approximately 97 per cent of the wage earners employed in foundries and machine shops are located in the 28 States covered by the bureau and that data for 20 per cent of them are shown in this report.

TABLE 7.—NUMBER OF WAGE EARNERS IN 1923 AS REPORTED BY THE UNITED STATES CENSUS OF MANUFACTURES AND THE NUMBER OF ESTABLISHMENTS AND OF WAGE EARNERS FOR WHICH 1925 DATA ARE PRESENTED IN THIS REPORT, BY STATE

State	Wage earners in foundries and machine shops reported in 1923	Foundries		Machine shops		Foundries and machine shops combined	
		Establishments	Wage earners	Establishments	Wage earners	Establishments	Wage earners
Alabama.....	2,634	5	306	9	323	14	629
California.....	15,853	13	764	18	1,657	31	2,421
Colorado.....	1,818	4	314	2	245	6	559
Connecticut.....	26,862	16	1,688	18	3,412	34	5,100
Georgia.....	3,263	11	615	12	390	23	1,006
Illinois.....	63,984	30	3,052	37	8,564	67	11,616
Indiana.....	27,005	13	1,558	15	3,057	28	4,615
Iowa.....	5,326	13	1,151	7	892	20	2,043
Kansas.....	2,457	9	242	11	302	20	544
Kentucky.....	2,284	9	213	10	396	19	609
Louisiana.....	1,698	5	273	8	243	13	516
Maine.....	3,187	4	298	4	758	8	1,056
Maryland.....	4,740	7	429	9	836	16	1,265
Massachusetts.....	50,911	21	2,655	39	7,659	60	10,314
Michigan.....	52,743	42	4,771	35	5,837	78	10,608
Minnesota.....	5,341	6	627	7	846	13	1,473
Missouri.....	9,497	15	808	13	1,229	33	2,037
New Hampshire.....	3,274	7	266	8	1,205	15	1,471
New Jersey.....	29,007	19	2,239	31	3,461	50	5,700
New York.....	68,057	23	3,260	21	9,450	44	12,710
Ohio.....	82,801	46	4,996	77	13,258	123	18,254
Oregon.....	2,509	8	212	10	398	18	610
Pennsylvania.....	87,839	41	5,595	47	12,112	88	17,707
Rhode Island.....	11,639	8	1,084	12	3,422	20	4,506
Tennessee.....	3,390	7	532	8	416	15	948
Texas.....	4,538	9	390	14	963	23	1,353
Washington.....	3,422	7	352	8	558	15	910
Wisconsin.....	31,205	14	1,703	16	4,386	30	6,088
All other States.....	17,115						
Total.....	625,008	413	40,393	511	86,274	924	126,667

Table 8 shows the distribution of employees by number and per cent in 22 of the principal occupations in foundries and in machine shops, according to the number of days on which they worked during the pay period covered. "Days worked" as used in this table does not mean the number of full-time days, but the number of calendar days on which employees did some work. Any part of a day has been counted as a full day. The average number of days worked was obtained by dividing the aggregate number of days worked by all employees in the occupation in all establishments by the total number of employees in the occupation.

The table shows that 59 per cent of the chippers and rough grinders employed in foundries having a one-week pay period worked on 6 days during the period covered, 24 per cent on 5 days, 8 per cent on 4 days, 2 per cent on 2 days, and 1 per cent on 1 day. One per cent worked on 7 days during the week. The average for all was 5.4 days. Twenty-six per cent of the wage earners employed on a two-week or a half-month basis in the same occupation worked on 13 days, 27 per cent on 12 days, 13 per cent on 11 days, 8 per cent on 10 days, etc. The average for all was 10.9 days. The data for the other occupations are read in like manner.

TABLE 8.—AVERAGE NUMBER OF DAYS WORKED BY EMPLOYEES AND NUMBER AND PER CENT OF EMPLOYEES WHO WORKED ON EACH SPECIFIED NUMBER OF DAYS IN PAY PERIOD, 1925, BY OCCUPATION AND SEX

Foundries: One-week pay period

Occupation	Sex	Number of establishments	Number of employees	Average number of days worked by employees in pay period	Number of employees in occupation who in pay period worked each specified number of days							Per cent of employees in occupation who in pay period worked each specified number of days						
					1	2	3	4	5	6	7	1	2	3	4	5	6	7
Chippers and rough grinders.....	Male.....	280	2,754	5.4	37	46	100	230	674	1,638	29	1	2	4	8	24	59	1
Core makers.....	do.....	288	1,985	5.4	17	25	49	175	528	1,167	4	1	1	2	9	27	59	(1)
Do.....	Female.....	34	252	5.2	1	4	10	24	100	113	(1)	2	4	10	40	45		
Laborers.....	Male.....	283	7,486	5.3	120	186	255	574	1,944	4,246	111	2	3	3	8	26	57	1
Molders, hand, bench.....	do.....	245	1,706	5.1	18	31	62	212	677	704	2	1	2	4	12	40	41	(1)
Molders, hand, floor.....	do.....	296	3,900	5.3	27	47	109	402	1,111	2,196	8	1	1	3	10	28	56	(1)
Molders, machine.....	do.....	161	2,251	5.1	38	61	98	250	821	983		2	3	4	11	36	44	
Molders' helpers, floor.....	do.....	204	1,843	5.3	34	53	52	147	448	1,078	31	2	3	3	8	24	58	2
Pattern makers.....	do.....	249	1,278	5.7	8	11	41	48	178	989	3	1	1	3	4	14	77	(1)

Machine shops: One-week pay period

Assemblers.....	Male.....	238	5,760	5.7	21	62	90	180	832	4,495	80	(1)	1				78	1
Boring-mill hands and operators.....	do.....	239	1,480	5.6	14	18	31	63	229	1,067	8	1	1	2	4	16	75	
Drill-press hands and operators.....	do.....	303	3,590	5.6	35	47	88	187	625	2,587	21	1	1	2	5	17	72	1
Fitters and bench hands.....	do.....	275	5,982	5.6	22	53	123	247	946	4,570	20	(1)	1	2	4	16	76	(1)
Grinding-machine hands and operators.....	do.....	203	1,584	5.6	4	13	28	100	265	1,171	3	(1)	1	2	6	17	74	(1)
Laborers.....	do.....	327	7,067	5.6	63	94	162	305	1,016	5,331	96	1	1	2	4	14	75	1
Lathe hands and operators, engine.....	do.....	232	4,127	5.6	26	39	102	257	811	2,882	10	1	1	2	6	20	70	(1)
Lathe hands and operators, turret.....	do.....	241	2,381	5.5	15	32	46	162	439	1,683	4	1	1	2	7	18	71	(1)
Machinists.....	do.....	379	2,838	5.7	10	26	39	126	389	2,210	38	(1)	1	1	4	14	78	1
Machinists' and tool makers' helpers.....	do.....	190	1,265	5.7	8	16	20	47	164	995	15	1	1	2	4	13	79	1
Milling-machine hands and operators.....	do.....	253	2,306	5.6	13	25	44	109	427	1,679	9	1	1	2	5	19	73	(1)
Planer hands and operators.....	do.....	226	1,314	5.6	8	8	22	53	238	984	1	1	1	2	4	18	75	(1)
Screw-machine hands and operators.....	do.....	166	1,064	5.6	4	9	10	65	203	768	5	(1)	1	1	6	19	72	(1)
Toolmakers.....	do.....	256	2,018	5.7	12	20	30	58	265	1,621	12	1	1	1	3	13	80	1

Foundries: Two-week or half-month pay period

Occupation	Sex	Number of establishments	Number of employees	Average number of days worked by employees in pay period	Number of employees in occupation who in pay period worked each specified number of days																Per cent of employees in occupation who in pay period worked each specified number of days																
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
					Chippers and rough grinders.	Male	103	1,356	10.9	11	14	21	19	20	40	25	69	71	104	178	366	346	60	10	2	1	1	2	1	1	1	1	3	2	5	5	8
Core makers	do	105	1,102	11.2	7	5	8	11	9	19	14	46	80	88	141	282	343	46	3	1	(1)	1	1	1	2	1	4	7	8	13	26	31	4	(1)			
Do.	Female	9	101	10.4	1																																
Laborers	Male	106	3,495	10.7	60	63	78	74	75	100	85	143	157	219	389	936	887	212	32	5	2	2	2	2	2	2	4	4	6	11	27	25	6	(1)			
Molders, hand, bench	do	80	657	10.9	6	12	7	6	10	17	7	32	21	45	102	264	116	12				1	2	1	1	1	2	3	1	5	3	7	16	40	18	2	
Molders, hand, floor	do	105	1,712	11.1	11	19	15	15	33	24	50	77	73	170	209	415	548	43	10			1	1	1	1	2	1	3	4	4	10	12	24	32	3	1	
Molders, machine	do	68	889	10.6	11	13	10	19	18	19	24	73	47	85	106	253	159	39	13			1	1	1	2	2	3	8	5	10	12	28	18	4	1		
Molders' helpers, floor	do	81	799	10.8	14	18	11	11	12	19	15	47	29	68	101	198	217	21	18			2	2	1	1	2	2	2	6	4	9	13	25	27	3	2	
Pattern makers	do	97	549	12.0	1	3	6	1	3	6	8	14	14	24	41	131	230	41	19	7	(1)	1	1	(1)	1	1	1	3	3	3	4	7	24	42	7	1	

Machine shops: Two-week or half-month pay period

Assemblers	Male	68	1,391	11.6	8	13	16	8	13	18	15	29	64	66	117	349	540	134			1	1	1	1	1	1	1	2	5	5	8	25	39	10	(1)	
Boring-mill hands and operators	do	102	705	11.8	3	5	2	4	2	10	8	11	22	47	76	162	291	61	1		(1)	1	(1)	1	(1)	1	1	1	2	3	7	11	23	41	9	(1)
Drill-press hands and operators	do	120	1,422	11.4	13	16	19	14	23	23	28	35	53	95	157	308	492	143	2	1	1	1	1	1	2	2	2	4	7	11	22	35	10	(1)	(1)	
Fitters and bench hands	do	113	1,175	11.9	8	11	15	21	26	20	29	30	60	98	149	475	995	231	7		(1)	1	1	1	1	1	1	1	3	5	7	22	46	11	(1)	
Grinding-machine hands and operators	do	64	432	11.9		2	3	6	6	4	10	6	11	16	41	80	193	50	4		(1)	1	1	1	1	1	2	1	3	4	9	19	45	12	1	
Laborers	do	112	2,766	11.8	19	37	37	40	23	37	40	74	128	137	219	471	1129	341	25	11	1	1	1	1	1	1	1	3	5	5	8	17	41	12	1	
Lathe hands and operators, engine	do	109	1,729	11.7	8	14	16	8	19	26	22	40	68	107	176	358	745	115	5	2	(1)	1	1	(1)	1	2	1	2	4	6	10	21	43	7	(1)	
Lathe hands and operators, turret	do	97	1,012	12.1	5	9	2	8	5	7	10	26	31	57	85	199	328	240			(1)	1	(1)	1	(1)	1	1	3	3	6	8	20	32	24		
Machinists	do	95	982	11.7	4	12	7	12	11	7	14	13	30	55	93	202	466	51	3	2	(1)	1	1	1	1	1	1	3	6	9	21	47	5	(1)		
Machinists' and toolmakers' helpers	do	72	376	11.5	1	4	5	3	3	4	9	9	8	19	36	110	157	8			(1)	1	1	1	1	1	2	2	5	10	29	42	2			
Milling-machine hands and operators	do	86	619	11.9	4	5	7	3	5	4	5	15	21	30	67	107	242	101	3			1	1	1	(1)	1	1	1	2	3	5	11	17	39	16	(1)
Planer hands and operators	do	101	524	11.6	4	3	3	2	7	4	8	14	20	38	53	120	223	25				1	1	1	(1)	1	1	2	3	4	7	10	23	43	5	
Screw-machine hands and operators	do	49	418	12.0	2	2	4	1	4	6	4	7	11	8	45	83	173	68			(1)	(1)	1	(1)	1	1	1	2	3	2	11	30	41	16		
Toolmakers	do	90	555	12.2	2	1	3		2	1	1	10	8	24	42	145	280	36			(1)	(1)	1		(1)	(1)	(1)	2	1	4	8	26	50	6		

¹ Less than 1 per cent.

Table 9 shows, for each State and all States combined, average and classified days of operation during the year ending December 31, 1924. The table is divided into two parts—the first for foundries and the second for machine shops.

The days of operation of 410 of the 413 foundries covered ranged from less than 150 to 312 days and averaged 285 days. One foundry was in operation 70 days and one 136 days. The averages by States ranged from 247 in New Hampshire to 308 in both Oregon and Washington. Three foundries which had not begun operation at the beginning of the year covered are not included in the table.

The days of operation of 505 of the 511 machine shops ranged from 200 to 340. One machine shop engaged in marine repair work was in operation 340 days. The average was 298 days. The average by States ranged from 279 in New Hampshire to 308 in both Oregon and Washington. Six machine shops which started operation after the first of the year have not been included.

A total of 224 foundries and 376 machine shops were in operation 300 days or more during the year.

TABLE 9.—AVERAGE AND CLASSIFIED DAYS OF OPERATION DURING THE YEAR ENDING DECEMBER 31, 1924, BY STATE

Foundries

State	Number of establishments	Average days of operation in one year	Number of establishments in which days of operation were—																									
			Under 150	150 and under 175	175 and under 200	200 and under 225	225 and under 250	250 and under 269	260 and under 270	270 and under 275	275 and under 280	280 and under 285	285 and under 290	290 and under 295	295 and under 300	300	301	302	303	304	305	306	307	308	309	310	311	312
Alabama.....	5	307	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
California.....	13	303	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Colorado.....	4	282	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Connecticut.....	16	264	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Georgia.....	11	282	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Illinois.....	30	297	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Indiana.....	13	278	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Iowa.....	13	275	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kansas.....	9	301	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kentucky.....	9	271	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Louisiana.....	8	302	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Maine.....	4	281	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Maryland.....	7	279	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Massachusetts.....	21	255	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Michigan.....	43	300	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Minnesota.....	6	277	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Missouri.....	15	274	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire.....	7	247	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Jersey.....	117	297	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New York.....	23	285	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ohio.....	45	283	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Oregon.....	8	308	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Pennsylvania.....	41	295	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Rhode Island.....	8	251	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Tennessee.....	7	299	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Texas.....	9	293	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Washington.....	7	308	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wisconsin.....	14	294	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total.....	410	285	2	3	2	16	26	22	13	8	18	16	15	22	23	7	9	10	12	13	18	16	37	84	6	8	3	1

1 Not including 2 establishments for which data were not reported.
 2 Not including 1 establishment for which data were not reported.

3 Not including 3 establishments for which data were not reported.

Table 10 shows for foundries and for machine shops the average number of days idle, by specific causes, for the year ending December 31, 1924, for each State and for all States combined.

The average days of operation for the 410 foundries and 505 machine shops for which days of operation are reported were 285 and 298, respectively. All establishments were closed on Sunday except one machine shop in Massachusetts which operated 26 Sundays during the year. Foundries were idle an average of 9 days on account of holidays and vacations, 1 day for inventory and plant disability, 14 days for slack business and lack of orders, 5 Saturdays, and 1 for other causes.

Machine shops were idle an average of 1 Saturday, 7 days for vacations and holidays, 1 day for inventory and plant disability, and 6 days for slack business and lack of orders. Saturday closing, as shown by this table, is becoming quite common.

TABLE 10.—AVERAGE NUMBER OF DAYS OF OPERATION AND AVERAGE NUMBER OF DAYS IDLE DURING THE YEAR ENDING DECEMBER 31, 1924, BY STATE AND SPECIFIED CAUSE

State	Number of establishments	Average days of operation in 1 year	Average number of days idle during year on account of—					
			Saturday	Sunday	Holiday and vacation	Inventory and plant disability	Slack business and lack of orders	Other causes
Alabama.....	5	307	-----	52	5	1	-----	1
California.....	13	383	4	52	7	-----	-----	(¹)
Colorado.....	4	282	-----	52	7	-----	26	-----
Connecticut.....	16	264	7	52	9	-----	34	(¹)
Georgia.....	11	282	9	52	4	1	17	1
Illinois.....	30	287	3	52	7	1	6	-----
Indiana.....	13	278	16	52	6	2	12	-----
Iowa.....	13	275	4	52	5	1	29	(¹)
Kansas.....	9	361	-----	52	6	4	-----	3
Kentucky.....	9	271	12	52	7	-----	24	(¹)
Louisiana.....	5	302	-----	52	5	5	-----	2
Maine.....	4	261	-----	52	8	-----	26	-----
Maryland.....	7	279	12	52	7	4	11	(¹)
Massachusetts.....	21	255	-----	52	10	(¹)	47	1
Michigan.....	43	300	1	52	6	2	5	1
Minnesota.....	6	277	5	52	6	(¹)	26	-----
Missouri.....	15	274	-----	52	6	(¹)	33	-----
New Hampshire.....	7	247	-----	52	9	-----	55	4
New Jersey.....	² 17	297	4	52	8	(¹)	3	2
New York.....	23	285	16	52	7	1	4	(¹)
Ohio.....	³ 45	283	3	52	7	(¹)	20	(¹)
Oregon.....	8	308	-----	52	7	-----	-----	-----
Pennsylvania.....	41	295	6	52	6	1	6	(¹)
Rhode Island.....	8	251	3	52	11	1	48	1
Tennessee.....	7	299	7	52	7	1	(¹)	(¹)
Texas.....	9	293	3	52	7	1	10	1
Washington.....	7	308	-----	52	6	-----	-----	(¹)
Wisconsin.....	14	294	4	52	6	1	9	(¹)
Average.....	4 410	285	5	52	9	1	14	1

Machine shops

Alabama.....	17	307	-----	52	5	1	-----	-----
California.....	18	307	-----	52	7	-----	-----	-----
Colorado.....	2	307	-----	52	7	-----	-----	-----
Connecticut.....	18	295	4	52	9	1	5	(¹)
Georgia.....	12	292	8	52	5	1	8	(¹)
Illinois.....	37	301	-----	52	7	1	5	-----
Indiana.....	15	292	4	52	6	2	10	(¹)
Iowa.....	7	280	7	52	5	3	19	(¹)
Kansas.....	³ 10	307	-----	52	6	1	-----	(¹)
Kentucky.....	10	292	-----	52	8	1	14	-----
Louisiana.....	8	297	2	52	6	2	6	3
Maine.....	4	284	-----	52	8	-----	23	-----
Maryland.....	9	306	-----	52	7	1	-----	(¹)
Massachusetts.....	39	285	1	51	10	(¹)	18	(¹)

¹ Less than 1 day.

² Not including 2 establishments for which data were not reported.

³ Not including 1 establishment for which data were not reported.

⁴ Not including 3 establishments for which data were not reported.

TABLE 10.—AVERAGE NUMBER OF DAYS OF OPERATION AND AVERAGE NUMBER OF DAYS IDLE DURING THE YEAR ENDING DECEMBER 31, 1924, BY STATE AND SPECIFIED CAUSE—Continued

Machine shops—Continued

State	Number of establishments	Average days of operation in 1 year	Average number of days idle during year on account of—					
			Saturday	Sunday	Holiday and vacation	Inventory and plant disability	Slack business and lack of orders	Other causes
Michigan.....	35	304		52	7	1	2	(1)
Minnesota.....	7	295	(1)	52	6	(1)	12	(1)
Missouri.....	18	294		52	6	4	11	(1)
New Hampshire.....	8	279		52	7		27	
New Jersey.....	428	301		52	8	(1)	4	1
New York.....	21	298	8	52	8	1		
Ohio.....	77	300	(1)	52	7	1	5	(1)
Oregon.....	10	308		52	6			
Pennsylvania.....	47	288	3	52	7		6	(1)
Rhode Island.....	12	297		52	10	(1)	7	
Tennessee.....	8	307		52	6			(1)
Texas.....	14	307		52	6	(1)		1
Washington.....	8	308		52	6			
Wisconsin.....	16	296	4	52	7		7	(1)
Total.....	4 506	298	1	52	7	1	6	(1)

1 Less than 1 day.

4 Not including 3 establishments for which data were not reported.

4 Not including 6 establishments for which data were not reported.

GENERAL TABLES

In addition to the summary tables already presented, six general tables which show the data in considerable detail follow. A brief explanation of each is shown below.

TABLE A.—Average full-time hours per week, average earnings per hour, and average full-time weekly earnings, 1925, by occupation, sex, and State.

TABLE B.—Average number of days on which employees worked, average full-time and actual hours and earnings, and per cent of full time actually worked, 1925, by occupation, sex, pay period, and State.

The number of days on which employees worked does not mean the number of full-time days, but the number of calendar days on which employees did some work. Care must be exercised in the interpretation of the per cent of full time worked by employees in the various occupations. This in no way measures the per cent of time employees in some plants could have worked had they so desired; other plants were not operating on a full-time basis during the period covered and hence some employees were absent through no fault of their own.

Tables C, D, E, and F are distribution tables and are limited to the 22 principal occupations—8 in foundries and 14 in machine shops. The reason for using these particular occupations as illustrative of the spread or variation in all occupations is explained on page 6.

TABLE C.—Average and classified earnings per hour in 22 specified occupations, 1925, by sex and State.

TABLE D.—Average and classified full-time hours per week in 22 specified occupations, 1925, by sex and State.

TABLE E.—Average and classified hours actually worked by employees in 22 specified occupations, 1925, by pay period, sex, and State.

TABLE F.—Average and classified actual earnings by employees in 22 specified occupations, 1925, by pay period, sex, and State.

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE

FOUNDRIES					
Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Chippers and rough grinders, male:					
Alabama.....	4	32	55.1	\$. 303	\$16.70
California.....	12	78	48.0	.557	28.74
Colorado.....	3	32	53.9	.475	25.60
Connecticut.....	16	131	50.0	.497	24.85
Georgia.....	7	50	57.3	.231	13.24
Illinois.....	30	338	53.3	.595	31.71
Indiana.....	13	128	52.4	.518	27.14
Iowa.....	12	142	53.5	.440	23.54
Kansas.....	8	34	55.0	.406	22.23
Kentucky.....	7	15	53.5	.405	21.67
Louisiana.....	4	36	46.6	.384	17.89
Maine.....	4	57	49.8	.469	23.36
Maryland.....	7	39	53.5	.416	22.26
Massachusetts.....	21	373	49.6	.555	27.63
Michigan.....	34	404	50.1	.591	29.61
Minnesota.....	6	68	54.1	.476	25.75
Missouri.....	15	71	53.4	.464	24.78
New Hampshire.....	7	28	49.7	.477	23.71
New Jersey.....	18	194	50.2	.559	28.06
New York.....	22	324	50.1	.552	27.66
Ohio.....	45	498	54.0	.484	26.14
Oregon.....	6	21	45.7	.557	25.46
Pennsylvania.....	39	529	51.6	.543	28.02
Rhode Island.....	8	159	51.3	.534	27.39
Tennessee.....	6	61	49.6	.299	14.83
Texas.....	8	37	52.8	.353	18.64
Washington.....	7	49	48.0	.613	29.42
Wisconsin.....	14	182	50.4	.537	27.06
Total.....	383	4,110	51.5	.521	26.83
Core makers, male:					
Alabama.....	5	21	52.8	.589	31.10
California.....	13	73	47.5	.838	39.81
Colorado.....	4	28	51.7	.739	38.21
Connecticut.....	16	103	49.6	.759	37.20
Georgia.....	8	22	52.0	.480	24.96
Illinois.....	30	238	51.3	.796	40.83
Indiana.....	13	145	49.0	.681	33.37
Iowa.....	13	92	52.6	.669	35.19
Kansas.....	5	10	54.0	.611	32.99
Kentucky.....	8	9	49.2	.648	31.88
Louisiana.....	4	13	49.9	.671	33.48
Maine.....	4	12	48.3	.624	30.14
Maryland.....	7	38	49.9	.659	32.88
Massachusetts.....	21	155	48.4	.720	34.85
Michigan.....	39	345	50.5	.747	37.72
Minnesota.....	6	58	53.3	.663	35.34
Missouri.....	14	63	51.7	.699	35.62
New Hampshire.....	7	12	49.5	.739	36.53
New Jersey.....	17	99	50.6	.820	41.49
New York.....	23	221	49.2	.753	37.05
Ohio.....	45	408	52.0	.744	38.69
Oregon.....	7	12	46.2	.765	35.34
Pennsylvania.....	39	584	49.4	.757	37.40
Rhode Island.....	8	73	50.0	.625	31.25
Tennessee.....	9	22	48.5	.671	32.54
Texas.....	9	23	50.1	.542	27.15
Washington.....	7	27	47.9	.785	37.60
Wisconsin.....	14	161	51.1	.696	35.51
Total.....	393	3,067	50.3	.734	36.92
Core makers, female:					
Illinois.....	3	62	48.5	.496	24.06
Kentucky.....	2	3	53.3	.382	20.36
Michigan.....	13	105	50.3	.404	20.32
New Jersey.....	3	31	46.8	.385	18.02
New York.....	7	62	47.4	.536	25.41
Ohio.....	3	8	47.1	.454	21.38
Pennsylvania.....	2	19	48.5	.344	16.68
Rhode Island.....	3	14	51.7	.431	22.28
Wisconsin.....	3	26	44.8	.536	24.01
Other States.....	4	23	49.8	.351	17.48
Total.....	43	353	48.6	.444	21.58

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Crane operators, male:					
Alabama.....	4	6	56.3	\$.551	\$31.02
California.....	10	18	48.4	.644	31.17
Colorado.....	3	10	53.8	.460	24.75
Connecticut.....	11	35	52.2	.545	28.45
Georgia.....	4	4	56.9	.265	15.08
Illinois.....	17	59	57.2	.595	34.03
Indiana.....	9	16	53.4	.499	26.65
Iowa.....	5	17	57.2	.465	26.60
Kentucky.....	3	5	55.3	.434	24.00
Maine.....	3	5	47.6	.547	26.04
Maryland.....	6	8	52.8	.413	21.81
Massachusetts.....	13	32	48.9	.684	33.45
Michigan.....	13	30	50.9	.618	31.46
Minnesota.....	4	15	59.5	.522	31.06
Missouri.....	7	12	53.8	.607	32.66
New Jersey.....	14	59	51.8	.543	28.13
New York.....	15	74	50.4	.611	30.79
Ohio.....	27	126	55.7	.550	30.64
Oregon.....	2	3	48.0	.729	34.99
Pennsylvania.....	37	175	51.0	.556	28.36
Rhode Island.....	5	7	50.3	.511	25.70
Tennessee.....	4	8	51.5	.395	20.34
Texas.....	3	3	54.0	.338	18.25
Washington.....	3	5	48.0	.633	30.38
Wisconsin.....	11	34	51.9	.565	29.32
Other States.....	3	6	46.7	.616	28.76
Total.....	236	772	52.7	.562	29.62
Cupola tenders, male:					
Alabama.....	4	4	55.6	.366	20.35
California.....	13	16	47.4	.763	36.17
Colorado.....	3	3	53.9	.593	31.96
Connecticut.....	16	39	51.3	.598	30.68
Georgia.....	9	11	60.2	.372	22.39
Illinois.....	29	37	53.0	.661	35.03
Indiana.....	13	20	50.8	.609	30.94
Iowa.....	12	12	53.1	.563	29.90
Kansas.....	9	11	54.1	.504	27.27
Kentucky.....	8	8	52.4	.509	26.67
Louisiana.....	5	6	50.8	.480	24.38
Maine.....	4	5	49.2	.577	28.39
Maryland.....	7	7	52.1	.520	27.09
Massachusetts.....	21	37	48.6	.669	32.51
Michigan.....	35	66	52.5	.727	38.17
Minnesota.....	5	6	55.2	.604	33.34
Missouri.....	13	18	54.6	.588	32.10
New Hampshire.....	7	7	49.7	.622	30.91
New Jersey.....	15	21	52.2	.649	33.82
New York.....	23	56	50.4	.639	32.21
Ohio.....	42	56	52.8	.675	35.64
Oregon.....	7	7	47.8	.651	31.12
Pennsylvania.....	37	61	51.2	.649	33.23
Rhode Island.....	8	9	51.3	.680	34.88
Tennessee.....	7	7	49.4	.416	20.55
Texas.....	9	10	51.8	.478	24.76
Washington.....	7	8	47.9	.704	33.72
Wisconsin.....	12	19	59.4	.647	38.43
Total.....	380	567	51.9	.635	32.96
Laborers, male:					
Alabama.....	5	54	56.1	.274	15.37
California.....	11	131	48.7	.496	24.16
Colorado.....	4	73	53.8	.425	22.87
Connecticut.....	16	403	51.9	.482	25.02
Georgia.....	10	127	55.7	.258	14.37
Illinois.....	30	959	52.8	.543	28.67
Indiana.....	13	443	53.5	.449	24.02
Iowa.....	13	349	55.8	.437	24.38
Kansas.....	8	43	55.5	.357	19.81
Kentucky.....	6	38	56.2	.401	22.54
Louisiana.....	5	63	52.4	.334	17.50

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Laborers, male—Continued.					
Maine.....	3	33	54.5	\$.462	\$25.18
Maryland.....	7	94	55.8	.385	21.48
Massachusetts.....	21	687	49.1	.502	24.65
Michigan.....	37	1,475	51.0	.522	26.62
Minnesota.....	5	157	57.9	.457	26.46
Missouri.....	14	190	54.1	.413	22.34
New Hampshire.....	7	67	48.8	.482	24.01
New Jersey.....	19	659	53.6	.464	24.87
New York.....	23	975	51.6	.500	25.80
Ohio.....	45	1,489	54.5	.465	25.34
Oregon.....	7	51	46.0	.507	23.32
Pennsylvania.....	41	1,416	51.5	.476	24.51
Rhode Island.....	8	252	52.5	.484	25.41
Tennessee.....	5	81	53.6	.294	15.76
Texas.....	6	51	54.9	.329	18.06
Washington.....	6	72	48.0	.554	26.59
Wisconsin.....	14	499	53.1	.510	27.08
Total.....	389	10,831	52.5	.481	25.25
Laborers, female:					
All States.....	17	125	50.2	.382	19.18
Molders, hand, bench, male:					
California.....	11	36	45.8	.883	40.44
Connecticut.....	15	103	49.8	.708	35.26
Georgia.....	7	43	56.9	.544	30.95
Illinois.....	24	132	51.4	.791	40.66
Indiana.....	12	77	48.6	.732	35.58
Iowa.....	10	65	54.0	.690	37.26
Kansas.....	5	12	54.0	.566	30.56
Kentucky.....	5	11	44.5	.695	30.93
Louisiana.....	3	9	58.1	.325	18.88
Maine.....	4	23	49.3	.679	33.47
Maryland.....	7	32	50.3	.761	38.28
Massachusetts.....	26	216	48.5	.996	48.45
Michigan.....	33	371	49.3	.884	39.64
Minnesota.....	6	32	53.7	.741	39.79
Missouri.....	12	52	52.9	.736	37.96
New Hampshire.....	7	59	56.0	.711	35.55
New Jersey.....	16	92	50.3	.860	43.26
New York.....	19	199	50.9	.713	35.65
Ohio.....	38	212	56.1	.754	37.78
Oregon.....	6	12	47.0	.829	38.96
Pennsylvania.....	27	244	51.1	.750	38.33
Rhode Island.....	8	95	50.1	.877	43.94
Tennessee.....	5	39	49.5	.592	24.85
Texas.....	6	13	50.1	.623	31.21
Washington.....	4	5	47.8	.768	36.71
Wisconsin.....	13	176	50.7	.694	35.24
Other States.....	2	3	53.3	.417	22.23
Total.....	325	2,363	50.2	.768	38.55
Molders, hand, floor, male:					
Alabama.....	5	48	51.5	.688	35.43
California.....	13	166	46.9	.873	40.94
Colorado.....	4	59	51.2	.809	41.42
Connecticut.....	16	392	49.9	.770	38.42
Georgia.....	11	79	53.2	.651	34.63
Illinois.....	30	384	50.9	.857	43.62
Indiana.....	13	212	50.7	.766	38.84
Iowa.....	13	181	53.3	.761	40.56
Kansas.....	9	70	53.8	.658	35.40
Kentucky.....	9	48	48.2	.719	34.66
Louisiana.....	5	48	49.4	.711	35.12
Maine.....	4	54	47.4	.719	34.08
Maryland.....	7	103	49.1	.769	37.46
Massachusetts.....	21	373	47.9	.975	46.70
Michigan.....	34	391	49.2	.781	38.43
Minnesota.....	6	77	53.0	.708	37.52
Missouri.....	15	172	52.1	.745	38.81
New Hampshire.....	7	33	49.4	.771	38.09
New Jersey.....	18	262	50.6	.860	43.52

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Molders, hand, floor, male—Continued.					
New York.....	23	339	49.1	\$0.843	\$41.39
Ohio.....	45	881	51.6	.800	41.23
Oregon.....	8	38	47.1	.845	39.80
Pennsylvania.....	41	792	50.3	.808	40.69
Rhode Island.....	8	114	50.3	.817	41.10
Tennessee.....	7	83	48.6	.685	33.29
Texas.....	9	83	50.2	.635	31.88
Washington.....	7	75	47.9	.808	38.70
Wisconsin.....	13	145	52.4	.740	38.78
Total.....	401	5,612	50.4	.802	40.42
Molders, machine, male:					
California.....	4	11	50.2	.755	37.90
Colorado.....	2	7	52.3	.610	31.90
Connecticut.....	8	101	52.2	.681	35.55
Illinois.....	14	267	51.9	.669	34.72
Indiana.....	11	231	45.4	.747	33.91
Iowa.....	9	86	51.8	.677	35.07
Kansas.....	2	7	54.0	.598	32.29
Kentucky.....	3	6	53.0	.540	28.62
Louisiana.....	2	3	49.3	.702	34.61
Maine.....	2	41	50.0	.754	37.70
Maryland.....	5	26	52.8	.622	32.84
Massachusetts.....	16	248	48.8	.810	39.53
Michigan.....	24	410	49.2	.773	38.03
Minnesota.....	6	37	52.8	.674	35.59
Missouri.....	4	27	54.8	.703	38.52
New Hampshire.....	3	17	48.9	.918	44.89
New Jersey.....	14	174	51.8	.736	38.12
New York.....	16	261	49.5	.735	38.86
Ohio.....	24	335	51.5	.709	36.51
Pennsylvania.....	31	452	49.3	.727	35.84
Rhode Island.....	8	131	50.7	.759	38.48
Tennessee.....	2	3	48.7	.586	28.54
Texas.....	3	21	54.0	.537	29.00
Washington.....	2	10	48.0	.756	36.29
Wisconsin.....	12	201	51.4	.737	37.88
Other States.....	2	27	51.1	.487	24.89
Total.....	229	3,140	50.1	.733	36.72
Molders' helpers, floor, male:					
Alabama.....	5	71	56.4	.294	16.58
California.....	12	89	48.8	.537	26.21
Colorado.....	4	61	53.8	.408	21.95
Connecticut.....	13	169	50.3	.469	23.59
Georgia.....	9	119	58.9	.221	13.02
Illinois.....	19	150	54.7	.503	27.51
Indiana.....	9	74	50.8	.451	22.91
Iowa.....	8	40	52.4	.447	23.42
Kansas.....	6	20	54.6	.380	20.75
Kentucky.....	8	28	50.6	.407	20.59
Louisiana.....	5	54	49.5	.389	19.26
Maine.....	2	5	46.4	.430	19.95
Maryland.....	3	11	52.9	.373	19.73
Massachusetts.....	16	86	48.4	.584	28.27
Michigan.....	24	275	50.4	.494	24.39
Minnesota.....	5	41	53.5	.459	24.56
Missouri.....	11	81	54.2	.481	26.07
New Jersey.....	16	205	52.0	.482	25.06
New York.....	15	145	49.8	.582	28.98
Ohio.....	29	247	53.9	.461	24.85
Oregon.....	7	21	46.3	.568	26.30
Pennsylvania.....	27	390	50.1	.510	25.55
Rhode Island.....	4	28	50.2	.473	23.74
Tennessee.....	7	83	51.2	.290	14.85
Texas.....	9	98	54.3	.335	18.19
Washington.....	5	31	47.8	.581	27.77
Wisconsin.....	7	20	52.0	.461	23.97
Total.....	235	2,642	51.8	.460	23.83

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Pattern makers, male:					
Alabama.....	5	20	53.4	\$0.738	\$39.41
California.....	9	39	46.5	.935	43.48
Colorado.....	3	8	46.3	.945	43.75
Connecticut.....	11	81	49.6	.767	38.04
Georgia.....	11	23	52.9	.719	38.04
Illinois.....	26	95	50.0	.843	42.15
Indiana.....	13	87	50.0	.867	43.35
Iowa.....	8	23	53.6	.662	35.48
Kansas.....	8	10	54.3	.766	41.59
Kentucky.....	5	10	50.6	.728	36.84
Louisiana.....	5	15	49.7	.807	40.11
Maine.....	4	17	48.0	.694	33.31
Maryland.....	6	14	50.2	.738	37.05
Massachusetts.....	17	127	48.7	.726	35.36
Michigan.....	31	185	51.8	.812	42.06
Minnesota.....	5	42	49.7	.696	34.59
Missouri.....	10	32	49.6	.857	42.51
New Hampshire.....	5	14	50.7	.778	39.44
New Jersey.....	18	115	49.2	.853	41.97
New York.....	21	178	49.6	.832	41.27
Ohio.....	37	217	52.1	.804	41.89
Oregon.....	6	11	47.0	.908	42.68
Pennsylvania.....	41	286	50.8	.832	42.27
Rhode Island.....	8	53	50.7	.695	35.24
Tennessee.....	6	12	48.8	.782	38.16
Texas.....	9	23	50.2	.801	40.21
Washington.....	6	24	47.9	.992	47.52
Wisconsin.....	12	66	51.3	.682	34.99
Total.....	346	1,827	50.4	.804	40.52
Rough carpenters, male:					
Alabama.....	5	8	52.5	.554	29.09
California.....	11	15	47.1	.707	33.30
Colorado.....	2	8	49.6	.520	25.79
Connecticut.....	14	29	50.5	.576	29.09
Georgia.....	6	10	54.0	.495	26.73
Illinois.....	24	43	51.9	.609	31.61
Indiana.....	12	25	51.5	.594	30.59
Iowa.....	7	15	54.2	.463	25.09
Kansas.....	3	3	53.5	.406	21.72
Kentucky.....	5	6	49.0	.503	24.65
Louisiana.....	4	7	48.4	.474	22.94
Maine.....	3	19	48.7	.548	26.69
Maryland.....	7	11	49.3	.584	28.79
Massachusetts.....	16	71	49.4	.591	29.20
Michigan.....	20	67	53.2	.627	33.36
Minnesota.....	6	17	52.1	.558	29.07
Missouri.....	11	22	52.5	.564	29.61
New Hampshire.....	4	5	50.4	.512	25.80
New Jersey.....	6	11	51.1	.636	32.50
New York.....	22	39	49.9	.589	29.39
Ohio.....	38	67	52.5	.616	32.34
Oregon.....	4	4	46.6	.635	30.66
Pennsylvania.....	26	55	51.1	.616	31.48
Rhode Island.....	8	26	50.5	.629	30.27
Tennessee.....	7	10	51.8	.497	25.74
Texas.....	6	6	50.7	.485	24.59
Washington.....	3	5	48.0	.644	30.91
Wisconsin.....	13	30	51.5	.576	29.66
Total.....	293	634	51.1	.591	30.20
Other employees, male:					
Alabama.....	4	34	54.2	.468	25.37
California.....	12	92	46.8	.608	28.22
Colorado.....	3	24	54.7	.480	26.26
Connecticut.....	15	192	52.7	.530	27.93
Georgia.....	11	104	57.3	.399	22.56
Illinois.....	26	265	52.5	.676	35.49
Indiana.....	12	93	52.5	.488	25.62
Iowa.....	12	129	56.0	.522	29.23
Kansas.....	7	21	58.1	.361	20.97
Kentucky.....	8	26	51.4	.476	24.47

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Other employees, male—Continued.					
Louisiana.....	2	15	49.2	\$0.518	\$25.49
Maine.....	3	27	47.1	.593	27.93
Maryland.....	7	46	51.0	.411	20.96
Massachusetts.....	21	247	49.7	.621	30.86
Michigan.....	39	589	51.6	.658	33.95
Minnesota.....	6	73	57.2	.522	29.86
Missouri.....	15	68	53.2	.472	25.11
New Hampshire.....	6	23	49.4	.608	30.04
New Jersey.....	18	305	52.9	.518	27.40
New York.....	23	369	51.7	.674	34.35
Ohio.....	39	445	56.0	.591	33.10
Oregon.....	7	32	50.5	.544	27.47
Pennsylvania.....	41	592	52.6	.574	30.19
Rhode Island.....	8	120	52.4	.487	25.52
Tennessee.....	7	114	52.0	.397	20.64
Texas.....	7	22	50.1	.441	22.09
Washington.....	6	41	47.9	.589	28.21
Wisconsin.....	13	142	53.6	.559	29.96
Total.....	378	4,250	52.7	.576	30.36

MACHINE SHOPS

Assemblers, male:					
Alabama.....	6	26	53.8	\$0.482	\$25.93
California.....	4	21	48.9	.667	32.02
Colorado.....	2	14	48.1	.657	31.60
Connecticut.....	17	524	50.2	.637	31.98
Georgia.....	3	14	56.3	.368	20.72
Illinois.....	32	701	50.1	.695	34.82
Indiana.....	9	272	52.3	.520	27.20
Iowa.....	5	81	53.8	.489	26.31
Kentucky.....	2	7	49.6	.478	23.71
Maine.....	3	52	48.7	.567	27.61
Maryland.....	6	54	48.0	.702	33.70
Massachusetts.....	34	885	48.9	.631	30.86
Michigan.....	24	527	51.6	.596	30.75
Minnesota.....	3	45	49.7	.499	24.80
Missouri.....	9	166	52.7	.548	28.88
New Hampshire.....	5	88	48.9	.719	34.72
New Jersey.....	20	516	48.8	.748	36.50
New York.....	18	866	48.3	.664	32.07
Ohio.....	61	1,410	50.7	.622	31.54
Oregon.....	3	9	48.0	.631	30.29
Pennsylvania.....	20	463	49.4	.626	30.92
Rhode Island.....	5	157	56.3	.604	30.44
Washington.....	3	21	48.0	.617	29.62
Wisconsin.....	11	251	40.3	.588	23.70
Other States.....	1	1	60.0	.546	32.40
Total.....	306	7,151	49.6	.634	31.45
Assemblers, female:					
All States.....	9	150	50.7	.444	22.51
Blacksmiths, male:					
Alabama.....	7	10	52.8	.685	36.17
California.....	12	21	46.8	.930	43.52
Connecticut.....	18	36	50.4	.743	37.45
Georgia.....	7	9	51.9	.698	36.23
Illinois.....	29	68	50.2	.752	37.75
Indiana.....	14	29	51.6	.708	36.43
Iowa.....	5	8	50.9	.696	35.43
Kansas.....	8	11	53.6	.685	36.72
Kentucky.....	5	6	49.1	.600	29.46
Louisiana.....	5	9	49.9	.804	40.12
Maine.....	4	17	48.7	.607	29.56
Maryland.....	7	9	48.1	.781	35.16
Massachusetts.....	34	87	48.7	.693	33.75
Michigan.....	20	33	51.4	.697	35.83
Minnesota.....	7	20	50.1	.602	30.16

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued
MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Blacksmiths, male—Continued.					
Missouri.....	10	12	53.4	\$0.657	\$35.08
New Hampshire.....	6	13	52.5	.706	37.07
New Jersey.....	24	51	49.6	.727	36.06
New York.....	19	62	48.3	.727	35.11
Ohio.....	58	131	50.8	.710	36.07
Oregon.....	8	12	47.9	.811	38.85
Pennsylvania.....	43	143	51.4	.718	36.91
Rhode Island.....	9	18	50.3	.762	35.31
Tennessee.....	7	9	48.2	.756	36.15
Texas.....	11	20	51.0	.740	37.74
Washington.....	6	7	47.3	.761	36.00
Wisconsin.....	11	33	49.5	.679	33.61
Other States.....	1	1	48.0	.749	35.95
Total.....	395	885	50.2	.717	35.99
Blacksmiths' helpers, male:					
Alabama.....	5	11	53.6	.329	17.63
California.....	8	15	47.6	.646	30.08
Connecticut.....	13	34	50.7	.489	24.79
Georgia.....	3	6	51.2	.287	14.69
Illinois.....	23	68	49.4	.556	27.47
Indiana.....	11	29	51.5	.482	24.82
Iowa.....	4	11	52.6	.459	24.14
Kansas.....	6	12	55.2	.483	26.66
Kentucky.....	2	2	47.0	.451	21.20
Louisiana.....	5	10	49.3	.448	22.09
Maine.....	3	14	48.7	.494	24.06
Maryland.....	5	10	48.2	.472	22.75
Massachusetts.....	23	55	48.8	.505	24.69
Michigan.....	12	26	52.7	.513	27.04
Minnesota.....	6	19	50.8	.457	23.62
Missouri.....	6	7	52.5	.483	25.36
New Hampshire.....	2	9	53.3	.495	26.38
New Jersey.....	19	42	50.6	.504	25.50
New York.....	18	52	48.0	.526	27.17
Ohio.....	43	145	51.0	.487	24.84
Oregon.....	5	9	48.0	.577	27.70
Pennsylvania.....	38	186	51.6	.535	27.61
Rhode Island.....	7	14	50.6	.495	25.05
Tennessee.....	7	13	48.7	.393	19.14
Texas.....	10	26	51.9	.419	21.75
Washington.....	3	7	47.7	.575	27.43
Wisconsin.....	10	32	48.6	.470	22.84
Other States.....	1	3	48.0	.496	23.81
Total.....	298	857	50.5	.504	25.45
Boring-mill hands and operators, male:					
Alabama.....	3	9	54.0	.686	37.04
California.....	10	63	48.0	.860	41.71
Colorado.....	2	16	48.1	.680	32.71
Connecticut.....	16	127	50.5	.692	34.44
Georgia.....	6	11	52.6	.498	26.19
Illinois.....	33	233	50.4	.749	37.75
Indiana.....	16	62	52.3	.612	32.01
Iowa.....	3	29	54.2	.536	29.05
Kentucky.....	5	7	49.1	.593	29.12
Louisiana.....	2	3	59.7	.465	27.76
Maine.....	2	9	44.9	.583	25.28
Maryland.....	3	7	49.6	.703	34.87
Massachusetts.....	25	133	48.7	.678	33.02
Michigan.....	19	131	53.2	.587	31.07
Minnesota.....	5	27	49.5	.640	31.68
Missouri.....	9	41	51.5	.642	33.06
New Hampshire.....	3	16	51.0	.584	29.78
New Jersey.....	20	61	48.1	.752	36.92
New York.....	20	207	48.5	.695	33.71
Ohio.....	63	386	50.6	.692	35.04
Oregon.....	5	13	47.9	.721	34.54
Pennsylvania.....	39	245	50.4	.685	34.52
Rhode Island.....	5	31	50.5	.606	30.60
Tennessee.....	4	10	49.6	.619	30.70

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Boring-mill hands and operators, male—Continued.					
Texas.....	5	9	50.4	\$0.559	\$28.17
Washington.....	4	19	47.8	.824	39.39
Wisconsin.....	14	135	52.5	.727	38.17
Other States.....	1	1	68.0	.493	29.58
Total.....	341	2,135	50.4	.693	34.68
Crane operators, male:					
Alabama.....	3	4	54.4	.471	25.62
California.....	8	17	48.4	.675	31.32
Colorado.....	2	4	48.1	.474	22.90
Connecticut.....	10	49	49.9	.480	23.95
Georgia.....	3	3	53.7	.388	20.84
Illinois.....	21	62	50.6	.552	27.93
Indiana.....	7	24	52.8	.484	25.56
Iowa.....	3	3	51.0	.467	23.82
Maine.....	2	5	47.6	.502	23.90
Maryland.....	4	6	48.3	.453	21.88
Massachusetts.....	9	19	48.5	.538	26.09
Michigan.....	9	20	52.1	.539	28.08
Minnesota.....	3	7	49.8	.493	24.55
Missouri.....	3	20	48.6	.660	32.08
New Jersey.....	14	30	49.6	.522	25.89
New York.....	15	55	48.8	.548	26.60
Ohio.....	39	158	50.6	.522	26.41
Oregon.....	2	4	48.0	.659	31.61
Pennsylvania.....	36	148	52.1	.517	26.94
Rhode Island.....	3	6	50.3	.497	25.00
Tennessee.....	2	3	48.7	.443	21.67
Washington.....	2	4	47.8	.706	33.75
Wisconsin.....	12	100	52.3	.502	26.25
Other States.....	2	3	61.3	.513	26.34
Total.....	214	764	50.7	.524	26.67
Drill-press hands and operators, male:					
Alabama.....	6	25	53.3	.405	21.56
California.....	13	75	46.0	.609	28.01
Colorado.....	2	20	48.1	.556	26.74
Connecticut.....	18	159	50.7	.577	29.25
Georgia.....	6	17	51.7	.357	18.46
Illinois.....	34	611	49.5	.651	32.22
Indiana.....	14	235	53.2	.517	27.50
Iowa.....	4	116	54.4	.459	24.97
Kansas.....	4	11	56.7	.390	21.55
Kentucky.....	8	15	51.8	.457	23.67
Louisiana.....	3	12	55.7	.366	20.39
Maine.....	3	38	48.9	.514	25.13
Maryland.....	4	26	48.7	.590	28.73
Massachusetts.....	36	466	49.0	.614	30.09
Michigan.....	26	274	51.8	.578	29.94
Minnesota.....	6	76	51.0	.561	28.61
Missouri.....	15	84	53.3	.480	25.58
New Hampshire.....	6	62	50.3	.608	30.58
New Jersey.....	26	178	49.3	.581	28.64
New York.....	30	448	48.3	.626	30.24
Ohio.....	70	735	51.3	.588	29.63
Oregon.....	7	34	47.9	.594	28.45
Pennsylvania.....	45	743	50.3	.688	34.58
Rhode Island.....	10	180	50.5	.554	27.98
Tennessee.....	5	13	50.8	.538	27.33
Texas.....	10	75	50.6	.401	20.29
Washington.....	6	29	47.8	.665	31.65
Wisconsin.....	16	289	51.0	.570	29.07
Total.....	423	5,012	50.4	.579	29.18
Drill-press hands and operators, female:					
All States.....	16	93	49.0	.477	23.37

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued.

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Fitters and bench hands, male:					
Alabama.....	4	12	53.3	\$0.590	\$31.45
California.....	13	246	45.5	.793	36.08
Colorado.....	2	11	48.0	.632	30.34
Connecticut.....	10	97	51.6	.564	29.10
Georgia.....	2	6	51.0	.496	25.30
Illinois.....	28	622	49.4	.686	33.89
Indiana.....	15	312	52.0	.577	30.00
Iowa.....	5	22	51.4	.816	26.82
Kansas.....	3	26	58.8	.563	29.53
Kentucky.....	8	52	48.9	.713	27.98
Louisiana.....	2	9	50.4	.471	22.61
Maine.....	3	54	45.5	.497	23.69
Maryland.....	3	15	45.8	.699	31.57
Massachusetts.....	33	673	48.8	.647	31.58
Michigan.....	27	406	51.6	.610	31.74
Minnesota.....	7	78	49.9	.636	29.05
Missouri.....	11	72	54.0	.538	29.05
New Hampshire.....	7	133	48.0	.661	32.32
New Jersey.....	26	347	48.1	.710	34.15
New York.....	29	1,332	49.7	.589	29.27
Ohio.....	67	1,134	49.0	.740	35.82
Oregon.....	4	24	46.0	.647	28.09
Pennsylvania.....	45	1,339	51.0	.659	29.69
Rhode Island.....	10	373	50.4	.611	28.51
Tennessee.....	5	30	48.4	.611	28.51
Texas.....	8	87	50.4	.528	26.51
Washington.....	5	36	47.6	.754	35.99
Wisconsin.....	18	572	51.9	.625	32.44
Total.....	388	8,157	49.8	.643	32.02
Fitters and bench hands, female:					
All States.....	14	146	49.3	.468	23.07
Grinding-machine hands and operators, male:					
California.....	4	28	50.6	.736	37.24
Colorado.....	2	5	48.0	.609	29.23
Connecticut.....	17	116	50.6	.585	29.60
Illinois.....	22	367	50.1	.674	33.77
Indiana.....	10	90	54.3	.636	34.53
Iowa.....	4	44	54.1	.515	27.86
Kansas.....	2	2	60.0	.354	21.24
Kentucky.....	2	2	50.0	.443	22.15
Maine.....	2	43	50.0	.556	27.80
Maryland.....	4	22	53.0	.694	36.78
Massachusetts.....	31	174	50.3	.611	30.73
Michigan.....	19	68	51.2	.597	30.56
Missouri.....	7	18	54.2	.515	27.85
New Hampshire.....	4	24	48.8	.585	28.91
New Jersey.....	10	43	46.9	.660	30.55
New York.....	17	227	48.3	.665	32.12
Ohio.....	53	251	50.1	.605	30.31
Pennsylvania.....	28	215	49.6	.683	34.37
Rhode Island.....	9	148	50.1	.611	30.61
Washington.....	3	7	47.3	.759	35.90
Wisconsin.....	14	87	52.6	.620	32.61
Other States.....	3	25	52.6	.664	34.93
Total.....	267	2,016	50.3	.637	32.04
Laborers, male:					
Alabama.....	6	40	53.8	.265	15.33
California.....	9	75	46.2	.548	25.32
Colorado.....	2	30	48.1	.429	20.63
Connecticut.....	17	312	50.7	.453	22.97
Georgia.....	9	58	53.3	.221	11.78
Illinois.....	35	1,149	50.1	.505	25.30
Indiana.....	15	424	52.4	.432	22.64
Iowa.....	5	115	53.7	.386	20.73
Kansas.....	6	39	67.2	.356	20.36
Kentucky.....	7	33	52.6	.393	20.67
Louisiana.....	6	24	48.3	.371	17.92

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Laborers, male—Continued.					
Maine.....	4	59	48.9	0.429	\$20.98
Maryland.....	8	79	49.9	.443	22.11
Massachusetts.....	38	955	49.2	.434	24.81
Michigan.....	27	557	51.5	.467	24.05
Minnesota.....	7	124	50.4	.434	21.87
Missouri.....	13	112	53.6	.377	19.94
New Hampshire.....	8	55	50.7	.494	23.62
New Jersey.....	28	401	50.1	.482	24.15
New York.....	21	1,034	48.6	.449	21.82
Ohio.....	71	1,518	51.2	.448	22.94
Oregon.....	3	10	48.0	.443	21.26
Pennsylvania.....	47	1,607	50.7	.449	22.76
Rhode Island.....	12	354	53.6	.434	23.26
Tennessee.....	6	69	49.8	.307	15.29
Texas.....	11	21	52.9	.399	20.68
Washington.....	3	520	48.0	.508	24.14
Wisconsin.....	1	1	51.5	.461	23.74
Total.....	490	9,833	50.6	.456	23.07
Lathe hands and operators, engine, male:					
Alabama.....	5	32	53.7	.662	28.55
California.....	12	215	46.6	.807	37.61
Colorado.....	2	22	48.1	.639	31.65
Connecticut.....	18	247	56.3	.644	32.89
Georgia.....	5	23	52.4	.496	25.99
Illinois.....	36	632	56.2	.726	36.14
Indiana.....	15	155	52.4	.628	32.91
Iowa.....	4	75	54.7	.517	26.23
Kansas.....	4	19	54.9	.634	28.55
Kentucky.....	7	27	49.1	.661	29.51
Louisiana.....	2	7	56.4	.471	26.56
Maine.....	4	67	48.3	.562	27.14
Maryland.....	5	49	48.5	.661	32.06
Massachusetts.....	33	534	49.7	.607	30.17
Michigan.....	21	231	52.5	.620	33.02
Minnesota.....	6	67	50.6	.646	32.69
Missouri.....	11	119	51.4	.628	32.28
New Hampshire.....	7	74	50.0	.647	32.35
New Jersey.....	26	236	49.0	.716	35.06
New York.....	21	516	48.5	.705	34.19
Ohio.....	69	867	50.5	.636	32.12
Oregon.....	5	49	48.0	.724	34.75
Pennsylvania.....	45	907	51.0	.677	34.53
Rhode Island.....	9	174	56.5	.608	30.40
Tennessee.....	3	23	49.8	.655	32.62
Texas.....	7	79	50.5	.628	31.71
Washington.....	5	70	47.7	.768	36.63
Wisconsin.....	16	336	51.8	.656	33.98
Total.....	401	5,856	50.3	.662	33.35
Lathe hands and operators, turret, male:					
Alabama.....	3	14	53.9	.563	28.35
California.....	11	45	46.9	.786	36.86
Colorado.....	2	8	48.0	.732	35.14
Connecticut.....	16	197	50.9	.646	32.69
Georgia.....	8	6	51.9	.453	23.61
Illinois.....	26	401	49.2	.743	36.66
Indiana.....	14	153	53.4	.605	32.81
Iowa.....	5	34	52.6	.552	29.04
Kentucky.....	5	17	53.2	.466	24.79
Maine.....	4	67	49.7	.547	27.19
Maryland.....	3	17	48.1	.684	32.90
Massachusetts.....	30	413	49.0	.651	31.90
Michigan.....	19	255	52.4	.588	30.81
Minnesota.....	4	32	51.0	.656	33.45
Missouri.....	7	33	53.5	.459	24.56
New Hampshire.....	7	58	49.3	.616	30.37
New Jersey.....	24	146	48.4	.660	32.80
New York.....	20	167	48.9	.645	31.69
Ohio.....	56	416	51.0	.623	31.77
Oregon.....	2	8	48.0	.667	32.02
Pennsylvania.....	30	589	49.0	.681	33.37

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Lathe hands and operators, turret, male—Continued.					
Rhode Island.....	6	73	50.9	\$0.603	\$30.69
Tennessee.....	3	3	49.3	.613	25.29
Texas.....	5	121	51.8	.534	27.66
Washington.....	4	20	47.7	.740	35.30
Wisconsin.....	15	189	52.3	.651	34.05
Other States.....	1	1	60.0	.375	22.50
Total.....	328	3,393	50.2	.647	32.48
Lathe hands and operators, turret, female:					
All States.....	3	27	49.9	.488	24.35
Machinists, male:					
Alabama.....	7	52	53.2	.673	35.80
California.....	17	238	45.3	.831	37.64
Colorado.....	2	32	48.1	.726	34.92
Connecticut.....	12	122	49.1	.671	32.95
Georgia.....	11	67	54.4	.634	34.49
Illinois.....	25	252	49.5	.775	38.36
Indiana.....	7	63	54.7	.616	33.37
Iowa.....	6	47	52.3	.586	30.65
Kansas.....	10	77	50.1	.719	34.02
Kentucky.....	7	41	50.8	.634	32.21
Louisiana.....	6	58	47.9	.806	38.61
Maine.....	4	55	50.0	.616	30.80
Maryland.....	7	176	47.8	.655	31.31
Massachusetts.....	28	234	48.8	.654	31.92
Michigan.....	26	385	50.4	.702	35.38
Minnesota.....	6	38	49.1	.632	31.03
Missouri.....	12	67	50.8	.727	36.93
New Hampshire.....	3	116	53.5	.637	34.08
New Jersey.....	24	147	49.6	.720	35.71
New York.....	20	249	48.5	.710	34.44
Ohio.....	39	239	52.1	.675	35.17
Oregon.....	10	81	47.8	.742	35.47
Pennsylvania.....	40	429	51.5	.711	36.98
Rhode Island.....	11	231	50.2	.621	31.17
Tennessee.....	5	67	48.6	.762	37.03
Texas.....	11	102	49.6	.774	38.39
Washington.....	6	62	47.5	.791	37.57
Wisconsin.....	9	73	52.2	.700	36.54
Total.....	374	3,820	49.9	.702	35.03
Machinists' and toolmakers' helpers, male:					
Alabama.....	4	7	52.5	.523	27.46
California.....	18	135	46.0	.562	25.85
Colorado.....	2	16	48.1	.475	22.85
Connecticut.....	7	91	49.0	.461	22.59
Georgia.....	3	13	51.4	.332	17.06
Illinois.....	17	98	46.7	.606	28.02
Indiana.....	5	38	53.4	.459	24.51
Kansas.....	9	28	52.3	.401	20.97
Kentucky.....	3	5	53.9	.412	22.21
Louisiana.....	5	14	45.5	.435	19.79
Maine.....	2	9	50.0	.452	22.60
Maryland.....	5	37	48.3	.437	21.11
Massachusetts.....	15	50	48.5	.479	23.23
Michigan.....	20	233	50.9	.491	24.99
Minnesota.....	3	4	50.6	.467	23.63
Missouri.....	11	26	52.8	.381	20.64
New Jersey.....	16	62	49.5	.562	27.82
New York.....	15	183	47.9	.513	24.57
Ohio.....	20	74	50.6	.473	23.93
Oregon.....	10	52	47.9	.542	25.96
Pennsylvania.....	35	299	53.1	.473	25.12
Rhode Island.....	5	43	50.0	.507	25.35
Tennessee.....	7	28	50.3	.444	22.56
Texas.....	9	56	48.9	.436	21.42
Washington.....	6	16	47.8	.569	27.20
Wisconsin.....	8	30	50.8	.458	23.27
Other States.....	2	5	53.2	.516	27.45
Total.....	262	1,641	49.8	.494	24.60

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Milling-machine hands and operators, male:					
Alabama.....	3	5	53.3	\$.487	\$25.96
California.....	8	27	46.9	.750	35.18
Colorado.....	2	6	48.1	.650	31.27
Connecticut.....	18	160	50.3	.606	30.48
Illinois.....	25	280	49.0	.725	35.63
Indiana.....	14	65	53.5	.618	33.06
Iowa.....	3	23	55.8	.519	28.96
Kentucky.....	4	9	49.6	.497	24.65
Maine.....	3	27	49.1	.551	27.05
Maryland.....	4	39	48.4	.685	33.15
Massachusetts.....	32	339	48.8	.625	30.50
Michigan.....	14	138	51.8	.605	31.34
Minnesota.....	4	19	49.9	.659	32.88
Missouri.....	9	23	53.1	.562	29.84
New Hampshire.....	7	53	48.6	.634	30.81
New Jersey.....	18	68	49.0	.679	33.27
New York.....	19	497	48.0	.715	34.32
Ohio.....	66	433	50.2	.617	30.97
Oregon.....	3	7	47.8	.799	38.19
Pennsylvania.....	26	376	50.1	.683	34.22
Rhode Island.....	8	142	50.4	.603	30.39
Tennessee.....	4	7	48.9	.569	27.82
Texas.....	3	34	51.2	.533	27.29
Washington.....	4	18	47.3	.754	35.66
Wisconsin.....	16	137	52.5	.615	32.29
Other States.....	2	2	55.8	.538	30.02
Total.....	339	2,925	49.7	.653	32.45
Milling-machine hands and operators, female:					
All States.....	7	32	49.4	.497	24.55
Packers and craters, male:					
California.....	5	19	47.0	.588	27.64
Connecticut.....	10	34	51.4	.526	27.04
Georgia.....	3	18	53.7	.267	14.34
Illinois.....	28	204	50.0	.536	26.80
Indiana.....	15	103	52.0	.512	26.62
Iowa.....	6	26	52.9	.458	24.23
Kansas.....	2	4	57.0	.398	22.69
Kentucky.....	4	4	47.4	.443	21.09
Maine.....	3	12	49.0	.554	27.15
Maryland.....	4	14	49.5	.472	23.36
Massachusetts.....	24	97	49.3	.549	27.07
Michigan.....	23	136	51.1	.525	26.83
Minnesota.....	4	15	50.4	.498	25.10
Missouri.....	7	34	53.4	.456	24.35
New Hampshire.....	3	3	50.7	.429	21.75
New Jersey.....	8	33	49.9	.530	26.45
New York.....	14	118	48.4	.554	26.81
Ohio.....	49	215	51.3	.508	26.06
Pennsylvania.....	27	215	49.9	.549	27.40
Rhode Island.....	7	48	50.3	.491	24.70
Tennessee.....	3	9	49.3	.448	22.09
Texas.....	3	13	52.6	.404	21.25
Washington.....	3	7	47.7	.582	27.76
Wisconsin.....	16	100	51.8	.508	26.31
Other States.....	3	7	48.0	.515	24.72
Total.....	274	1,488	50.5	.520	26.26
Packers and craters, female:					
All States.....	10	68	49.7	.354	17.59
Planer hands and operators, male:					
Alabama.....	4	9	54.0	.700	37.80
California.....	12	27	46.6	.838	39.05
Colorado.....	2	8	48.1	.730	35.11
Connecticut.....	14	146	50.6	.681	34.46
Illinois.....	27	148	48.9	.832	40.68
Indiana.....	12	45	52.0	.609	31.67
Iowa.....	3	4	51.5	.588	30.28

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Planer hands and operators, male—Contd.					
Kansas.....	2	4	58.5	\$.515	\$30.13
Kentucky.....	4	7	49.9	.663	33.08
Maine.....	3	12	49.5	.586	29.01
Maryland.....	2	12	48.0	.761	36.53
Massachusetts.....	32	210	49.0	.663	32.49
Michigan.....	18	110	52.0	.628	32.66
Minnesota.....	5	12	49.8	.654	32.57
Missouri.....	7	21	50.4	.666	33.57
New Hampshire.....	6	16	50.9	.610	31.05
New Jersey.....	20	82	48.2	.780	37.60
New York.....	20	181	48.6	.719	34.94
Ohio.....	63	421	50.7	.684	34.68
Oregon.....	2	2	48.0	.757	36.34
Pennsylvania.....	39	190	52.0	.758	39.42
Rhode Island.....	8	33	50.4	.640	32.26
Texas.....	3	6	50.9	.611	31.10
Washington.....	4	17	47.8	.759	36.28
Wisconsin.....	14	113	52.0	.688	35.78
Other States.....	2	2	49.8	.645	32.12
Total.....	327	1,838	50.2	.705	35.39
Screw-machine hands and operators, male:					
California.....	4	19	48.7	.733	35.70
Colorado.....	2	2	48.1	.571	27.47
Connecticut.....	10	38	50.3	.622	31.29
Illinois.....	16	128	48.3	.726	35.07
Indiana.....	10	57	53.8	.585	31.47
Iowa.....	2	11	54.6	.466	25.44
Kentucky.....	4	5	50.4	.496	25.00
Massachusetts.....	27	176	49.0	.640	31.36
Michigan.....	16	74	52.2	.671	35.03
Minnesota.....	2	11	49.4	.715	35.32
Missouri.....	6	13	53.8	.476	25.61
New Hampshire.....	2	17	49.4	.565	27.91
New Jersey.....	7	13	49.2	.691	34.00
New York.....	14	212	48.0	.666	31.97
Ohio.....	44	269	50.0	.637	31.85
Pennsylvania.....	21	212	49.2	.651	32.03
Rhode Island.....	10	94	50.7	.601	30.47
Wisconsin.....	13	102	52.1	.599	31.21
Other States.....	5	29	49.4	.615	30.38
Total.....	215	1,482	49.8	.643	32.02
Other machine hands and operators, male:					
Alabama.....	3	5	53.1	.611	32.44
California.....	8	34	48.2	.722	34.80
Colorado.....	2	3	48.1	.616	29.63
Connecticut.....	17	177	50.2	.614	30.82
Georgia.....	5	22	56.1	.385	21.21
Illinois.....	29	548	49.9	.668	33.33
Indiana.....	13	196	54.0	.558	30.13
Iowa.....	5	35	53.3	.495	26.38
Kansas.....	4	9	55.7	.469	26.12
Kentucky.....	5	12	49.3	.433	23.81
Louisiana.....	3	9	56.9	.444	25.26
Maine.....	3	37	47.1	.535	25.20
Maryland.....	6	32	53.7	.586	31.47
Massachusetts.....	32	334	49.6	.616	30.55
Michigan.....	26	603	50.5	.697	35.20
Minnesota.....	6	38	55.4	.571	31.63
Missouri.....	10	65	53.2	.477	25.38
New Hampshire.....	5	80	48.5	.624	30.26
New Jersey.....	20	143	49.4	.609	30.08
New York.....	19	329	48.3	.633	30.57
Ohio.....	66	511	50.2	.626	31.43
Oregon.....	4	6	47.8	.616	29.44
Pennsylvania.....	39	316	51.7	.705	36.45
Rhode Island.....	11	206	50.7	.576	29.20
Tennessee.....	4	8	48.0	.568	27.26
Texas.....	7	67	51.7	.466	24.09
Washington.....	3	16	47.5	.687	32.63
Wisconsin.....	16	225	51.5	.627	32.29
Total.....	371	4,066	50.5	.630	31.82

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Other machine hands and operators, female: All States.....	16	201	48.8	\$0.441	\$21.52
Toolmakers, male:					
Alabama.....	2	2	52.5	.775	40.69
California.....	9	36	46.3	.873	40.42
Colorado.....	2	3	48.1	.734	35.31
Connecticut.....	16	107	51.0	.762	35.80
Georgia.....	5	6	52.9	.703	37.19
Illinois.....	26	196	50.5	.790	39.62
Indiana.....	14	124	52.6	.677	35.61
Iowa.....	4	27	53.9	.632	34.06
Kansas.....	2	3	46.7	.826	38.67
Kentucky.....	4	6	47.7	.733	34.96
Louisiana.....	2	2	52.0	.688	35.78
Maine.....	4	14	49.6	.620	30.75
Maryland.....	4	37	48.1	.706	33.96
Massachusetts.....	34	236	49.3	.705	34.76
Michigan.....	28	193	50.8	.754	38.30
Minnesota.....	4	21	49.9	.682	34.03
Missouri.....	10	32	52.7	.686	36.15
New Hampshire.....	4	29	48.8	.748	36.50
New Jersey.....	18	104	49.1	.794	38.99
New York.....	21	397	48.1	.781	37.57
Ohio.....	61	439	50.1	.691	34.62
Oregon.....	2	3	48.0	.915	43.92
Pennsylvania.....	35	243	49.4	.729	36.01
Rhode Island.....	10	124	50.5	.687	34.69
Tennessee.....	2	6	48.7	.696	33.90
Texas.....	4	10	51.5	.720	37.54
Washington.....	3	6	47.7	.993	38.39
Wisconsin.....	16	165	51.9	.683	35.45
Total.....	346	2,572	50.0	.727	36.35
Other skilled employees, male:					
Alabama.....	5	26	54.5	.660	35.97
California.....	14	142	46.8	.833	38.15
Colorado.....	2	11	51.3	.618	31.70
Connecticut.....	18	273	50.9	.625	31.81
Georgia.....	5	17	53.3	.590	31.45
Illinois.....	32	1,065	50.1	.710	35.57
Indiana.....	14	385	52.8	.561	29.65
Iowa.....	7	118	54.3	.553	30.03
Kansas.....	7	21	54.1	.686	34.41
Kentucky.....	9	23	49.2	.578	28.44
Louisiana.....	6	15	52.2	.742	38.73
Maine.....	4	66	50.3	.615	30.93
Maryland.....	8	77	48.2	.695	33.50
Massachusetts.....	38	725	49.2	.664	32.67
Michigan.....	32	651	51.7	.636	32.88
Minnesota.....	6	107	50.0	.600	30.45
Missouri.....	15	128	51.8	.581	30.10
New Hampshire.....	6	123	50.0	.653	32.65
New Jersey.....	30	374	50.0	.679	33.95
New York.....	21	1,157	48.7	.621	30.24
Ohio.....	72	1,683	50.2	.646	32.43
Oregon.....	7	30	48.0	.710	34.06
Pennsylvania.....	46	1,323	51.4	.640	32.90
Rhode Island.....	12	438	49.9	.643	32.09
Tennessee.....	7	37	49.7	.678	33.70
Texas.....	13	65	52.3	.662	34.67
Washington.....	6	34	47.3	.727	34.39
Wisconsin.....	16	488	52.2	.622	32.47
Total.....	458	9,602	50.4	.647	32.61
Other skilled employees, female:					
All States.....	13	215	48.9	.372	18.19

TABLE A.—AVERAGE FULL-TIME HOURS PER WEEK, AVERAGE EARNINGS PER HOUR, AND AVERAGE FULL-TIME WEEKLY EARNINGS, 1925, BY OCCUPATION, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of establishments	Number of employees	Average full-time hours per week	Average earnings per hour	Average full-time earnings per week
Other employees, male:					
Alabama.....	8	33	61.8	\$0.352	\$21.75
California.....	16	146	47.6	.533	25.37
Colorado.....	2	29	52.0	.447	23.24
Connecticut.....	18	445	52.5	.472	24.78
Georgia.....	11	92	56.7	.390	21.55
Illinois.....	36	723	49.9	.615	30.69
Indiana.....	15	159	56.3	.442	24.88
Iowa.....	7	62	58.4	.381	22.25
Kansas.....	11	34	58.3	.387	22.56
Kentucky.....	10	100	52.7	.353	18.60
Louisiana.....	7	54	52.5	.371	19.48
Maine.....	4	87	51.6	.408	24.15
Maryland.....	9	115	49.0	.482	23.62
Massachusetts.....	38	797	51.2	.580	29.70
Michigan.....	33	433	54.2	.613	33.22
Minnesota.....	6	73	52.8	.525	27.72
Missouri.....	18	136	56.3	.401	22.58
New Hampshire.....	8	141	51.9	.529	27.46
New Jersey.....	31	392	52.6	.474	24.93
New York.....	21	875	51.2	.519	26.57
Ohio.....	76	1,796	52.6	.515	27.09
Oregon.....	8	42	50.2	.484	24.30
Pennsylvania.....	47	1,801	53.2	.541	28.78
Rhode Island.....	12	472	54.0	.441	23.81
Tennessee.....	8	90	53.2	.378	20.11
Texas.....	14	101	51.9	.411	21.33
Washington.....	8	79	49.6	.473	23.46
Wisconsin.....	16	408	53.6	.413	22.14
Total.....	498	9,715	52.5	.514	26.99
Other employees, female:					
All States.....	23	143	49.2	.352	17.32
All occupations, male.....	511	85,199	50.4	.604	30.44
All occupations, female.....	36	1,075	49.3	.420	20.71
All occupations, male and female.....	511	86,274	50.4	.602	30.34

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE

FOUNDRIES

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Chippers and rough grinders, male								
One week:								
Alabama.....	4	32	5.5	55.1	49.5	89.8	\$16.70	\$15.00
California.....	6	26	5.7	45.6	49.9	109.4	27.59	30.18
Connecticut.....	16	131	5.5	50.0	48.9	97.8	24.85	24.30
Georgia.....	7	50	6.0	57.3	35.4	100.2	13.24	13.26
Illinois.....	24	241	5.6	51.5	40.4	95.9	29.46	28.26
Indiana.....	19	101	5.3	52.6	47.8	90.9	27.77	25.26
Iowa.....	10	103	5.3	52.9	48.8	92.2	23.59	21.73
Kansas.....	6	19	5.4	55.9	50.9	91.1	22.81	20.75
Kentucky.....	7	15	5.8	53.5	51.9	97.0	21.67	21.02
Louisiana.....	3	34	5.5	45.8	40.7	88.9	18.05	16.06
Maine.....	4	57	4.1	49.8	38.2	76.7	23.36	17.92
Maryland.....	7	39	5.7	53.5	51.2	95.7	22.26	21.27
Massachusetts.....	21	373	5.2	49.6	44.4	89.5	27.53	24.62
Michigan.....	25	284	5.3	49.7	46.5	93.6	30.27	28.36
Missouri.....	13	64	5.7	53.4	51.1	95.7	25.15	24.07
New Hampshire.....	7	28	5.2	49.7	44.6	89.7	23.71	21.26
New Jersey.....	17	185	5.4	50.2	47.7	96.0	28.16	26.75
New York.....	22	324	5.1	50.1	47.6	95.0	27.60	26.27
Ohio.....	24	198	5.6	52.1	49.6	95.2	24.64	23.48
Oregon.....	3	16	6.0	45.0	47.5	105.6	25.61	27.04
Pennsylvania.....	17	129	4.9	51.0	46.0	90.2	24.28	21.86
Rhode Island.....	8	159	5.5	51.3	49.5	96.5	27.39	26.45
Tennessee.....	6	61	5.3	49.6	45.2	91.1	14.83	13.52
Texas.....	8	37	5.8	52.8	51.9	93.3	18.64	18.32
Wisconsin.....	3	25	5.4	54.0	48.0	88.9	33.86	30.06
Other States.....	2	23	4.5	48.8	34.2	70.1	30.35	21.28
Total.....	230	2,754	5.4	50.8	47.5	93.5	26.21	24.56
Two weeks or half month:								
California.....	6	52	12.2	102.4	102.1	99.7	54.58	54.32
Colorado.....	2	29	12.0	117.0	108.7	92.9	55.34	51.42
Illinois.....	6	97	10.7	116.2	101.2	87.1	75.76	65.97
Indiana.....	3	27	12.4	112.0	113.2	101.1	53.65	54.21
Iowa.....	2	39	12.4	122.6	113.4	92.5	51.98	48.08
Kansas.....	2	15	9.6	112.8	107.1	94.9	45.57	43.31
Michigan.....	9	120	10.3	106.3	93.9	88.3	58.15	51.41
Minnesota.....	6	68	11.5	117.5	102.3	87.1	55.93	48.74
Missouri.....	2	7	10.9	108.0	97.7	90.5	43.31	39.22
Ohio.....	21	300	10.5	118.2	99.9	84.5	58.04	49.02
Oregon.....	3	5	10.2	104.0	79.9	76.8	54.08	41.53
Pennsylvania.....	22	400	11.0	111.8	99.8	89.3	63.17	56.43
Washington.....	6	29	10.7	103.9	84.2	81.0	60.68	49.16
Wisconsin.....	11	157	10.7	104.7	98.2	93.8	54.76	51.33
Other States.....	2	11	10.2	107.1	94.4	88.1	48.84	43.11
Total.....	103	1,356	10.9	112.3	99.9	89.0	59.63	53.05

Core makers, male

One week:								
Alabama.....	5	21	5.1	52.8	46.4	87.9	\$31.10	\$27.34
California.....	7	32	5.3	44.6	42.3	94.8	39.47	37.46
Connecticut.....	16	103	5.5	49.6	47.4	95.6	37.20	35.53
Georgia.....	8	22	5.8	52.0	53.4	102.7	24.96	25.64
Illinois.....	24	203	5.5	50.7	47.2	93.1	40.66	37.87
Indiana.....	10	115	5.3	48.2	45.8	95.0	35.40	31.69
Iowa.....	11	57	5.6	52.5	49.7	94.7	34.65	32.83
Kansas.....	4	9	5.6	54.0	54.6	101.1	32.29	32.68
Kentucky.....	8	9	5.8	49.2	48.9	99.4	31.88	31.73
Louisiana.....	3	11	6.0	48.1	47.8	99.4	36.12	35.87
Maine.....	4	12	4.8	48.3	40.8	84.5	30.14	25.44
Maryland.....	7	38	5.6	49.9	46.1	92.4	32.88	30.39

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Core makers, male—Continued								
One week—Continued.								
Massachusetts.....	21	155	5.5	48.4	44.9	92.8	\$34.85	\$32.32
Michigan.....	29	249	5.4	50.5	47.2	93.5	38.38	35.89
Missouri.....	12	56	5.4	51.4	45.8	89.1	36.19	32.28
New Hampshire.....	7	12	4.9	49.5	42.7	86.3	36.58	31.54
New Jersey.....	16	98	5.4	50.6	45.4	89.7	41.44	37.18
New York.....	23	221	5.2	49.2	45.1	91.7	37.05	33.96
Ohio.....	23	177	5.4	49.8	45.6	91.6	39.89	36.52
Oregon.....	4	9	6.0	45.6	46.2	101.3	34.33	34.88
Pennsylvania.....	17	201	5.1	51.0	46.1	90.4	31.01	28.00
Rhode Island.....	8	73	5.3	50.0	45.6	91.2	31.25	28.52
Tennessee.....	7	22	5.3	48.5	43.1	88.9	32.54	28.97
Texas.....	9	23	5.6	50.1	47.1	94.0	27.15	25.52
Wisconsin.....	3	23	5.8	53.5	49.4	92.3	38.36	35.45
Other States.....	2	14	4.6	49.7	39.6	79.7	38.47	30.65
Total.....	238	1,965	5.4	50.0	46.2	92.4	36.30	33.52
Two weeks or half month:								
California.....	6	41	11.5	104.7	96.9	92.6	83.97	77.67
Colorado.....	3	24	10.8	111.7	89.9	80.5	80.98	65.21
Illinois.....	6	35	11.5	110.6	95.7	86.5	83.95	72.61
Indiana.....	3	30	12.4	113.0	113.8	100.7	71.98	72.53
Iowa.....	2	35	12.9	119.2	115.2	96.6	81.41	78.70
Michigan.....	10	96	11.2	107.3	98.2	91.5	80.15	69.97
Minnesota.....	6	58	12.1	115.4	109.3	94.7	76.51	72.45
Missouri.....	2	7	9.4	108.0	85.0	78.7	61.56	48.47
Ohio.....	22	231	10.9	115.5	100.6	87.1	80.85	70.39
Oregon.....	3	3	10.3	101.3	80.6	79.6	80.94	64.44
Pennsylvania.....	22	383	11.2	108.4	95.1	87.7	90.51	79.42
Washington.....	6	17	12.1	103.8	97.9	94.3	84.49	79.67
Wisconsin.....	11	138	10.8	108.8	94.2	86.6	75.18	65.09
Other States.....	3	4	12.8	119.8	123.8	103.3	62.30	64.34
Total.....	105	1,102	11.2	110.6	98.3	88.9	82.62	73.45
Core makers, female								
One week:								
Illinois.....	3	62	5.8	48.5	46.0	94.8	\$24.06	\$22.84
Kentucky.....	2	3	6.0	53.3	51.3	96.2	20.36	19.63
Michigan.....	8	39	5.3	50.5	44.6	88.3	19.85	17.53
New Jersey.....	3	31	5.2	46.8	41.9	89.5	18.02	16.12
New York.....	7	62	4.6	47.4	37.5	79.1	25.41	20.09
Ohio.....	2	5	5.2	45.6	39.2	86.0	22.57	19.38
Rhode Island.....	3	14	4.8	51.7	42.1	81.4	22.28	18.13
Wisconsin.....	2	2	6.0	54.3	49.8	91.7	24.60	22.56
Other States.....	4	34	5.3	50.0	42.5	85.0	17.00	14.46
Total.....	34	252	5.2	48.8	42.5	87.1	21.86	19.01
Two weeks or half month:								
Michigan.....	5	68	10.4	102.3	82.3	80.4	41.94	33.73
Other States.....	4	35	10.5	93.5	76.9	82.2	45.07	37.03
Total.....	9	101	10.4	99.7	80.4	86.6	43.27	34.87

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Crane operators, male								
One week:								
Alabama.....	4	6	5.8	56.3	60.3	107.1	\$31.02	\$33.26
California.....	5	7	5.9	46.6	55.7	119.5	30.06	35.92
Connecticut.....	11	35	6.8	52.2	55.3	105.9	28.45	30.18
Georgia.....	4	4	5.0	56.9	50.6	88.9	15.08	13.40
Illinois.....	15	37	5.8	54.9	56.2	102.4	32.94	33.76
Indiana.....	6	11	6.8	54.1	57.0	105.4	27.10	28.53
Iowa.....	3	11	5.9	56.7	59.5	104.9	26.25	27.59
Kentucky.....	3	5	5.0	55.3	49.1	88.8	24.00	21.33
Maine.....	3	5	5.0	47.6	44.4	83.3	26.04	24.27
Maryland.....	6	8	5.8	52.8	54.4	103.0	21.81	22.47
Massachusetts.....	13	32	5.6	48.9	48.6	99.4	33.45	33.19
Michigan.....	10	24	6.7	49.1	56.2	114.5	30.25	34.63
Missouri.....	6	11	5.7	53.5	51.9	97.0	33.01	32.03
New Jersey.....	14	59	5.7	51.8	54.0	104.2	28.13	29.32
New York.....	15	74	5.5	50.4	51.7	102.6	30.79	31.62
Ohio.....	14	49	5.5	51.7	50.8	98.3	27.97	27.49
Oregon.....	2	3	6.0	48.0	51.7	107.7	34.99	37.64
Pennsylvania.....	15	42	5.3	51.4	49.7	96.7	26.52	25.66
Rhode Island.....	5	7	5.4	50.3	49.1	97.6	25.70	25.12
Tennessee.....	4	8	5.1	51.5	47.2	91.7	20.34	18.65
Texas.....	3	3	5.3	54.0	48.2	89.3	18.25	16.26
Wisconsin.....	2	3	6.3	54.5	72.8	133.6	32.05	42.77
Other States.....	5	10	5.9	47.8	46.5	97.3	28.93	28.09
Total.....	168	454	5.6	51.6	52.7	102.1	29.05	29.67
Two weeks or half month:								
California.....	5	11	12.5	105.4	109.3	103.7	67.77	70.22
Colorado.....	2	9	10.8	117.0	103.1	88.1	54.41	47.94
Illinois.....	2	22	11.5	122.9	122.9	100.0	72.02	72.04
Indiana.....	3	5	13.0	112.8	117.2	103.9	55.72	57.93
Iowa.....	2	6	12.0	128.3	113.4	88.4	60.30	53.24
Michigan.....	3	6	11.7	132.5	124.5	94.0	82.63	77.67
Minnesota.....	4	15	12.1	129.1	127.0	98.4	67.39	66.29
Ohio.....	13	77	11.6	126.2	120.1	95.2	70.04	66.63
Pennsylvania.....	22	133	11.7	109.5	111.1	101.5	62.20	63.04
Washington.....	2	2	13.0	104.0	107.5	103.4	62.50	64.56
Wisconsin.....	9	31	12.1	111.0	113.4	102.2	62.49	63.87
Other States.....	1	1	12.0	114.0	115.3	101.1	57.00	57.62
Total.....	68	318	12.1	116.4	115.1	98.9	64.80	64.59
Cupola tenders, male								
One week:								
Alabama.....	4	4	5.8	55.6	53.1	95.5	\$20.35	\$19.47
California.....	7	8	5.8	45.3	48.6	107.3	35.38	37.90
Connecticut.....	16	39	5.3	51.3	48.7	94.9	30.68	29.12
Georgia.....	9	11	6.1	60.2	61.9	102.8	22.39	23.03
Illinois.....	24	32	5.6	53.4	53.2	99.6	35.67	35.49
Indiana.....	10	17	5.6	50.5	50.1	99.2	31.16	30.94
Iowa.....	10	10	5.7	52.3	51.8	99.0	28.56	28.27
Kansas.....	7	8	5.8	54.1	53.4	98.7	27.43	27.04
Kentucky.....	8	8	6.0	52.4	53.6	102.3	26.67	27.20
Louisiana.....	4	5	6.2	49.0	49.5	101.0	25.63	25.92
Maine.....	4	5	4.8	49.2	43.5	88.4	28.39	25.10
Maryland.....	7	7	5.7	52.1	54.4	104.4	27.09	28.28
Massachusetts.....	21	37	5.4	48.6	46.7	96.1	32.51	31.24
Michigan.....	27	56	5.8	52.3	57.1	109.2	38.75	42.53
Missouri.....	12	16	5.6	54.7	51.1	93.4	33.20	30.99
New Hampshire.....	7	7	5.0	49.7	42.8	86.1	30.91	26.59
New Jersey.....	14	20	5.7	52.3	55.9	106.9	33.84	36.19
New York.....	23	56	5.3	50.4	51.8	102.8	32.21	33.12

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full-time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Establishments	Employees						
Cupola tenders, male—Continued								
One week—Continued.								
Ohio.....	22	28	5.4	52.2	51.0	97.7	\$32.21	\$31.45
Oregon.....	3	3	6.0	47.5	49.8	104.8	30.07	31.53
Pennsylvania.....	17	22	5.3	51.8	48.4	93.4	30.77	28.78
Rhode Island.....	8	9	5.9	51.3	54.1	105.5	34.88	36.78
Tennessee.....	7	7	6.0	49.4	49.5	100.2	20.55	20.60
Texas.....	9	10	5.9	51.8	52.4	101.2	24.76	25.04
Wisconsin.....	3	4	6.5	60.5	77.5	128.1	39.02	50.03
Other States.....	2	2	5.5	51.0	46.5	91.2	35.96	32.80
Total.....	285	431	5.6	51.7	52.0	100.6	32.26	32.46
Two weeks or half month:								
California.....	6	8	12.0	104.4	106.1	101.6	77.78	78.96
Colorado.....	2	2	12.0	117.0	109.0	93.2	64.12	59.69
Illinois.....	5	5	12.0	104.4	105.1	100.7	64.00	64.45
Indiana.....	3	3	13.0	113.5	123.2	108.5	64.24	69.75
Iowa.....	2	2	13.5	121.0	136.9	113.1	78.05	88.30
Kansas.....	2	3	9.3	114.0	84.0	73.7	56.43	41.55
Michigan.....	8	10	12.4	116.9	122.9	105.1	75.63	79.53
Minnesota.....	5	6	11.3	116.3	107.9	92.8	70.25	65.12
Ohio.....	29	28	11.9	112.5	114.3	101.6	82.35	83.72
Oregon.....	4	4	12.3	102.0	94.7	92.8	67.83	62.98
Pennsylvania.....	20	39	11.9	110.1	107.5	97.6	74.87	73.10
Washington.....	6	7	12.4	103.8	98.1	94.5	72.76	68.81
Wisconsin.....	9	15	12.9	127.3	124.0	97.4	82.36	80.20
Other States.....	3	4	11.8	112.0	107.8	96.3	50.62	48.68
Total.....	95	136	12.1	112.6	111.1	98.7	75.22	74.24

Laborers, male

One week:								
Alabama.....	5	54	5.5	56.1	52.2	93.0	\$15.37	\$14.32
California.....	5	60	5.3	44.7	43.9	98.2	23.42	23.02
Connecticut.....	16	463	5.4	51.9	50.1	96.5	25.02	24.13
Georgia.....	10	127	5.1	55.7	49.3	88.5	14.37	12.71
Illinois.....	24	813	5.6	51.6	49.6	96.1	28.64	27.53
Indiana.....	10	352	5.2	52.4	48.2	92.0	23.63	21.73
Iowa.....	11	279	5.3	55.5	50.8	91.5	24.09	22.04
Kansas.....	6	31	4.9	55.7	46.5	83.5	20.05	16.73
Kentucky.....	6	38	5.0	56.2	49.7	88.4	22.54	19.93
Louisiana.....	4	54	5.9	51.1	48.6	95.1	18.04	17.15
Maine.....	3	33	4.5	54.5	44.0	80.7	25.18	20.34
Maryland.....	7	94	5.1	55.8	48.6	87.1	21.48	18.72
Massachusetts.....	21	687	5.4	49.1	46.3	94.3	24.65	23.23
Michigan.....	26	931	5.3	51.0	49.7	97.5	28.46	27.75
Missouri.....	12	170	4.9	53.9	44.3	82.2	22.80	18.73
New Hampshire.....	7	67	5.2	48.8	43.5	89.1	24.01	21.40
New Jersey.....	18	653	5.5	53.7	51.4	95.7	24.86	23.81
New York.....	23	975	5.0	51.6	48.0	93.0	25.80	24.03
Ohio.....	23	627	5.4	52.5	48.9	93.1	23.52	21.89
Oregon.....	4	35	5.9	45.1	46.9	104.0	23.00	23.92
Pennsylvania.....	18	457	5.1	51.0	47.3	92.7	22.75	21.09
Rhode Island.....	8	252	5.3	52.5	49.0	93.3	25.41	23.71
Tennessee.....	5	81	5.8	53.6	53.7	100.2	15.76	15.80
Texas.....	6	51	5.6	54.9	54.7	99.6	18.06	17.98
Wisconsin.....	3	75	5.6	56.7	57.2	100.9	30.96	31.24
Other States.....	2	37	5.2	49.3	41.9	85.0	25.29	21.54
Total.....	283	7,436	5.3	52.0	48.9	94.0	25.06	23.56

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Laborers, male—Continued								
Two weeks or half month:								
California.....	6	71	11.5	107.6	101.5	94.3	\$50.79	\$47.89
Colorado.....	3	65	11.0	116.8	102.6	87.8	49.52	43.51
Illinois.....	6	146	10.6	120.3	107.3	89.2	57.26	51.06
Indiana.....	3	91	10.7	125.5	106.7	85.0	55.60	47.32
Iowa.....	2	70	11.3	127.1	105.2	82.8	57.20	47.39
Kansas.....	2	12	11.3	111.7	102.8	92.0	38.87	35.75
Michigan.....	11	544	10.7	106.4	102.9	96.7	49.05	47.47
Minnesota.....	5	157	10.7	125.3	105.0	83.8	57.26	47.95
Missouri.....	2	20	10.1	111.6	94.2	84.4	37.05	31.24
Ohio.....	22	862	10.2	119.3	100.0	83.8	57.03	47.85
Oregon.....	3	16	8.4	101.0	65.1	64.5	50.40	32.46
Pennsylvania.....	23	959	11.0	113.7	101.8	89.5	55.83	50.01
Washington.....	5	43	11.2	104.0	90.3	86.8	58.76	51.02
Wisconsin.....	11	424	10.8	111.9	102.9	92.0	56.40	51.85
Other States.....	2	15	12.1	118.8	112.9	95.0	40.04	37.98
Total.....	106	3,495	10.7	114.8	102.0	88.9	54.87	48.69

Laborers, female

One week:								
All States.....	12	91	5.5	49.7	46.4	93.4	\$19.83	\$18.50
Two weeks or half month:								
All States.....	5	34	9.9	102.7	85.6	83.3	34.61	29.00

Molders, hand, bench, male

One week:								
California.....	6	23	5.3	44.2	43.1	97.5	\$40.58	\$39.57
Connecticut.....	15	103	5.1	40.8	45.8	92.0	35.26	32.40
Georgia.....	7	43	5.2	56.9	42.6	74.9	30.95	23.16
Illinois.....	22	126	5.4	51.5	46.4	90.1	40.27	36.33
Indiana.....	9	58	5.1	47.4	43.3	91.4	36.88	33.67
Iowa.....	8	49	5.1	52.3	46.4	88.7	35.77	31.69
Kansas.....	5	12	5.4	54.0	51.6	95.6	30.56	29.20
Kentucky.....	5	11	4.3	44.5	34.0	76.4	30.93	26.63
Louisiana.....	2	2	0.5	51.5	60.8	118.1	26.42	31.15
Maine.....	4	23	4.7	49.3	40.1	81.3	33.47	27.20
Maryland.....	7	52	5.3	50.3	42.8	85.1	38.28	32.61
Massachusetts.....	20	216	5.0	48.5	41.0	84.5	48.45	41.00
Michigan.....	24	200	5.2	48.8	45.1	92.4	40.06	37.07
Missouri.....	10	48	5.4	51.9	46.0	88.6	38.56	34.22
New Hampshire.....	7	59	4.5	50.0	40.0	80.0	35.55	28.42
New Jersey.....	15	73	5.6	50.2	47.0	93.6	43.72	40.93
New York.....	19	199	4.9	50.0	43.6	87.2	35.65	31.09
Ohio.....	19	102	5.7	49.8	44.7	89.8	36.55	32.84
Oregon.....	3	6	6.0	46.0	46.0	100.0	38.87	38.90
Pennsylvania.....	14	144	4.8	52.3	45.9	87.8	34.57	30.30
Rhode Island.....	8	95	5.1	50.1	43.6	87.0	43.94	38.26
Tennessee.....	5	39	5.2	49.5	39.0	78.9	24.85	19.58
Texas.....	6	13	5.5	50.1	49.6	99.0	31.21	30.91
Wisconsin.....	3	27	5.5	54.0	51.3	95.0	35.75	33.96
Other States.....	2	3	5.0	52.7	43.7	82.9	24.24	20.08
Total.....	245	1,706	5.1	51.7	43.8	84.7	39.86	34.09

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATIONS, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Molders, hand, bench, male—Continued								
Two weeks or half month:								
California.....	5	13	11.3	102.7	94.2	91.7	\$84.21	\$77.23
Illinois.....	2	6	11.0	96.0	88.0	91.7	93.79	86.00
Indiana.....	3	19	11.5	113.7	101.2	89.0	67.08	59.75
Iowa.....	2	16	10.3	123.9	104.1	80.8	91.52	73.87
Michigan.....	9	171	10.6	103.2	92.9	90.0	81.01	72.96
Minnesota.....	6	32	11.3	116.2	102.8	88.5	86.10	76.14
Missouri.....	2	4	9.0	108.0	80.3	74.4	61.45	45.71
Ohio.....	19	110	10.1	105.9	87.0	82.2	81.86	67.20
Oregon.....	3	6	11.2	104.0	91.8	88.3	84.45	74.48
Pennsylvania.....	13	100	11.5	102.9	93.3	90.7	90.45	82.04
Washington.....	3	4	13.0	103.6	103.3	99.7	79.36	79.15
Wisconsin.....	10	149	11.1	104.3	97.0	93.0	73.01	67.93
Other States.....	3	27	11.3	109.5	100.4	91.7	70.30	64.39
Total.....	80	657	10.9	105.6	94.2	89.2	80.47	71.77

Molders, hand, floor, male

One week:								
Alabama.....	5	48	5.5	51.5	49.3	95.7	\$35.43	\$33.96
California.....	7	71	5.3	44.7	42.8	95.7	40.99	39.27
Connecticut.....	16	302	5.4	48.9	47.0	94.2	38.42	36.19
Georgia.....	11	79	5.3	53.2	46.6	87.6	34.63	30.34
Illinois.....	24	317	5.4	50.8	46.5	91.5	43.54	39.80
Indiana.....	10	130	5.3	49.7	45.3	93.2	39.61	36.93
Iowa.....	11	108	5.7	52.8	49.5	93.8	41.24	38.72
Kansas.....	7	50	5.4	53.8	49.0	91.1	35.56	32.39
Kentucky.....	9	48	5.2	48.2	43.5	90.2	34.66	31.26
Louisiana.....	4	42	5.9	45.9	45.6	97.3	35.83	34.84
Maine.....	4	54	5.0	47.4	42.4	89.5	34.08	30.48
Maryland.....	7	103	5.2	49.1	43.5	88.9	37.46	33.18
Massachusetts.....	21	373	5.3	47.9	43.1	90.6	43.70	42.00
Michigan.....	26	313	5.4	48.7	46.1	94.7	38.81	36.68
Missouri.....	13	157	5.0	51.9	43.3	83.4	39.50	32.96
New Hampshire.....	7	33	4.9	49.4	42.6	86.2	38.09	32.80
New Jersey.....	17	254	5.6	50.6	48.0	94.9	43.62	41.37
New York.....	23	339	5.1	49.1	43.8	89.2	41.39	36.94
Ohio.....	23	435	5.4	50.5	45.7	90.5	41.41	37.48
Oregon.....	4	20	6.0	46.3	46.0	99.4	38.75	38.46
Pennsylvania.....	18	280	5.0	51.3	45.4	88.5	37.65	33.24
Rhode Island.....	8	114	5.5	50.3	46.4	92.2	41.10	37.91
Tennessee.....	7	83	5.5	48.6	46.1	94.9	33.29	31.54
Texas.....	9	83	5.5	50.2	48.3	96.2	31.88	30.66
Wisconsin.....	3	32	5.7	52.9	52.8	99.8	41.16	41.03
Other States.....	2	32	5.4	48.2	42.6	88.4	39.23	34.70
Total.....	296	3,900	5.3	49.9	45.7	91.6	40.27	36.86
Two weeks or half month:								
California.....	6	95	11.3	101.1	94.2	93.2	84.92	79.13
Colorado.....	3	45	10.5	111.0	89.4	80.5	89.13	71.82
Illinois.....	6	67	11.2	105.6	97.5	92.3	90.71	83.77
Indiana.....	3	82	10.8	113.5	95.0	83.7	81.27	68.05
Iowa.....	2	73	12.1	121.1	108.4	89.5	88.52	79.20
Kansas.....	2	20	11.7	113.4	104.1	91.8	78.71	67.59
Michigan.....	8	78	10.8	108.9	94.7	87.0	78.19	68.01
Minnesota.....	6	77	11.3	114.4	100.2	87.6	81.00	70.32
Missouri.....	2	15	11.3	108.0	102.2	94.6	62.42	59.05
Ohio.....	22	446	10.8	112.5	97.0	86.2	87.75	75.68
Oregon.....	4	18	10.6	101.8	81.8	80.4	86.94	69.84
Pennsylvania.....	23	512	11.0	107.7	94.0	87.3	91.33	79.71
Washington.....	6	57	11.5	108.8	92.2	88.8	84.18	74.79
Wisconsin.....	10	113	11.2	112.9	98.6	87.3	82.80	71.82
Other States.....	2	14	11.4	114.0	103.6	90.9	71.82	65.23
Total.....	105	1,712	11.1	110.1	96.2	87.4	86.87	75.84

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Es-tablish-ments	Em-ploy-ees						
Molders, machine, male								
One week:								
Connecticut.....	8	101	4.9	52.2	44.5	85.2	\$35.55	\$30.29
Illinois.....	11	229	5.7	50.7	50.2	99.0	33.97	33.66
Indiana.....	10	227	4.9	45.3	40.2	88.7	34.02	30.20
Iowa.....	7	71	5.0	50.8	46.2	90.9	34.09	31.02
Kansas.....	2	6	6.0	54.0	54.0	100.0	32.29	32.31
Kentucky.....	3	7	4.7	53.0	44.8	84.5	25.62	24.21
Maine.....	2	41	3.8	50.0	34.4	68.8	37.70	25.90
Maryland.....	5	26	5.5	52.8	48.6	92.0	32.84	30.21
Massachusetts.....	16	248	4.9	49.8	40.5	83.0	36.53	32.83
Michigan.....	17	316	5.4	49.8	45.4	92.5	38.52	36.31
Missouri.....	4	27	5.5	54.8	50.3	91.8	38.23	35.33
New Hampshire.....	1	4	5.5	48.9	44.7	91.4	44.89	41.09
New Jersey.....	13	171	5.0	51.8	44.4	85.7	37.97	32.56
New York.....	16	261	4.8	49.5	44.4	89.1	38.86	34.66
Ohio.....	11	94	4.6	49.9	45.3	90.8	35.07	34.55
Pennsylvania.....	13	181	4.6	50.8	41.1	80.9	32.46	26.25
Rhode Island.....	8	131	5.3	50.7	46.2	91.1	38.48	35.07
Tennessee.....	2	3	4.0	48.7	32.5	66.7	28.54	19.05
Texas.....	3	21	5.4	54.0	47.5	88.0	29.00	25.49
Wisconsin.....	3	57	5.2	54.1	47.6	88.0	34.62	30.43
Other States.....	4	36	5.4	50.1	46.4	92.6	26.80	24.85
Total.....	161	2,251	5.1	49.9	44.3	88.8	36.63	32.53
Two weeks or half month:								
California.....	4	11	13.0	104.3	116.0	111.2	78.75	87.58
Colorado.....	2	7	12.1	113.6	104.7	92.2	69.47	63.90
Illinois.....	3	38	11.0	118.5	111.3	93.9	78.33	73.59
Iowa.....	2	15	11.3	125.2	106.5	85.1	88.02	74.90
Michigan.....	7	94	10.4	105.6	99.1	93.8	72.23	67.81
Minnesota.....	6	37	11.4	113.6	103.2	90.8	76.57	69.54
Ohio.....	13	241	9.4	108.9	85.9	78.9	74.92	59.11
Pennsylvania.....	18	291	11.5	111.0	97.8	88.1	86.14	75.94
Wisconsin.....	9	144	10.0	107.0	87.2	81.5	83.03	67.62
Other States.....	4	11	12.1	107.6	101.0	93.9	76.18	71.50
Total.....	68	889	10.6	109.8	94.3	85.9	80.15	68.78
Molders' helpers, floor, male								
One week:								
Alabama.....	5	71	5.2	56.4	49.6	87.9	\$16.58	\$14.58
California.....	6	39	5.7	46.6	49.9	107.1	25.82	27.68
Connecticut.....	13	169	5.5	50.3	48.8	97.0	23.59	22.85
Georgia.....	9	119	5.4	58.9	51.5	87.4	13.02	11.40
Illinois.....	16	116	5.3	55.3	47.6	86.1	27.43	23.59
Indiana.....	6	39	4.8	50.3	42.5	84.5	23.49	19.87
Iowa.....	6	16	5.4	52.9	48.1	90.9	25.13	22.82
Kansas.....	4	14	5.6	54.8	52.2	95.3	20.33	19.34
Kentucky.....	8	28	4.5	50.6	41.2	81.4	20.59	16.78
Louisiana.....	4	48	5.4	48.2	42.8	88.8	19.81	17.59
Massachusetts.....	16	86	5.2	48.4	44.5	91.9	28.27	25.97
Maine.....	2	5	4.8	46.4	36.3	78.2	19.95	15.62
Maryland.....	3	11	5.4	52.9	47.9	90.5	19.73	17.88
Michigan.....	18	212	5.1	50.3	47.0	93.4	25.45	23.79
Missouri.....	9	70	5.4	54.1	47.3	87.4	27.00	23.59
New Jersey.....	15	187	5.5	52.1	50.4	96.7	25.01	24.20
New York.....	15	145	5.2	49.8	47.5	95.4	28.98	27.65
Ohio.....	15	150	5.3	53.2	48.7	91.5	24.10	22.03
Oregon.....	3	12	5.9	45.0	47.6	105.8	27.32	28.90
Pennsylvania.....	9	82	5.4	50.2	48.5	96.6	22.84	22.04
Rhode Island.....	4	28	5.5	50.2	48.1	95.8	23.74	22.78
Tennessee.....	7	83	5.6	51.2	49.8	97.3	14.85	14.44
Texas.....	9	98	5.4	54.3	49.9	91.9	18.19	16.72
Other States.....	2	15	4.9	49.6	40.6	81.9	27.92	22.83
Total.....	204	1,843	5.3	52.0	48.1	92.5	23.35	21.60

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Molders' helpers, floor, male—Continued								
Two weeks or half month:								
California.....	6	50	12.2	106.0	110.8	104.5	\$55.44	\$57.94
Colorado.....	3	57	10.2	116.7	96.3	82.5	47.15	38.91
Illinois.....	3	34	11.3	107.5	101.2	94.1	56.65	53.37
Indiana.....	3	35	9.4	111.6	83.7	75.0	48.32	36.24
Iowa.....	2	24	11.0	118.0	94.8	80.3	50.50	40.57
Kansas.....	2	6	12.3	111.0	114.5	103.2	44.62	46.02
Michigan.....	6	63	10.4	105.2	97.7	92.9	43.13	40.07
Minnesota.....	5	41	10.1	115.9	90.3	77.9	53.20	41.46
Missouri.....	2	11	10.0	110.2	92.6	84.0	40.55	34.07
Ohio.....	14	97	9.8	117.7	92.0	78.2	55.67	43.52
Oregon.....	4	9	10.2	101.3	79.5	78.5	52.37	41.16
Pennsylvania.....	18	308	11.1	107.8	97.1	90.1	50.49	50.85
Washington.....	4	20	12.0	103.6	85.6	82.3	57.91	53.47
Wisconsin.....	7	20	11.8	112.7	103.8	82.1	51.95	47.55
Other States.....	2	24	9.7	109.0	90.5	83.0	43.82	36.41
Total.....	81	799	10.8	110.2	96.3	87.4	53.34	46.56

Pattern makers, male

One week:								
Alabama.....	5	20	5.6	53.4	48.8	91.4	\$39.41	\$35.99
California.....	4	14	5.8	45.4	43.9	96.7	45.85	43.96
Connecticut.....	11	81	5.7	49.6	49.8	100.4	38.04	38.24
Georgia.....	11	23	5.8	52.9	50.6	95.7	38.04	36.43
Illinois.....	22	82	5.7	50.2	50.3	100.2	42.32	42.43
Indiana.....	10	63	5.6	50.1	47.5	94.8	41.58	39.42
Iowa.....	6	16	5.4	53.6	48.4	90.3	34.73	31.37
Kansas.....	6	7	6.0	54.4	53.3	98.0	38.79	37.95
Kentucky.....	5	10	6.0	50.6	45.6	90.1	36.84	33.21
Louisiana.....	4	14	5.1	49.0	43.4	88.6	40.43	35.78
Maine.....	4	17	5.8	48.0	51.3	106.9	33.31	35.59
Maryland.....	6	14	5.9	50.2	50.4	100.4	37.05	37.14
Massachusetts.....	17	127	5.4	48.7	45.3	93.0	35.36	32.90
Michigan.....	21	109	5.5	50.4	46.9	93.1	40.92	38.13
Missouri.....	9	31	5.4	49.5	46.5	93.9	42.52	39.89
New Hampshire.....	5	14	5.6	50.7	48.7	96.1	39.44	37.89
New Jersey.....	17	108	5.7	49.2	46.2	93.9	42.41	39.83
New York.....	21	178	5.8	49.6	50.1	101.2	41.27	41.69
Ohio.....	17	132	5.9	51.0	49.1	96.3	42.33	40.73
Oregon.....	3	5	5.8	45.8	44.2	96.5	37.69	36.39
Pennsylvania.....	18	89	5.4	51.0	48.9	93.9	35.14	33.69
Rhode Island.....	8	53	5.7	50.7	48.2	91.1	35.24	33.51
Tennessee.....	6	12	6.0	48.8	48.5	99.4	38.16	37.88
Texas.....	9	23	5.7	50.2	48.4	96.4	40.21	38.73
Wisconsin.....	2	22	5.8	52.7	52.3	99.2	33.89	33.64
Other States.....	2	14	6.0	43.0	48.0	100.0	47.28	47.29
Total.....	249	1,278	5.7	50.1	48.3	96.4	39.68	38.23
Two weeks or half month:								
California.....	5	25	11.9	99.3	94.8	95.5	89.17	85.15
Colorado.....	2	6	11.2	99.5	87.1	87.5	94.72	82.90
Illinois.....	4	13	12.5	102.2	112.5	110.1	85.85	94.51
Indiana.....	3	24	12.4	109.0	103.3	94.8	104.97	99.53
Iowa.....	2	7	13.0	122.3	121.5	99.3	85.00	84.36
Kansas.....	2	3	12.3	111.0	114.2	102.9	98.57	101.36
Michigan.....	10	76	11.1	116.3	99.9	85.9	94.44	81.13
Minnesota.....	5	42	12.0	107.4	99.8	92.6	74.75	69.22
Ohio.....	20	85	11.4	115.6	104.0	90.0	88.32	79.54
Oregon.....	3	6	10.7	102.7	83.7	81.5	100.44	81.79
Pennsylvania.....	23	197	12.6	111.0	115.2	103.8	99.57	103.34
Washington.....	5	12	10.1	103.8	75.7	72.9	102.55	74.83
Wisconsin.....	10	44	12.7	110.0	111.7	101.5	77.22	78.41
Other States.....	3	9	12.1	104.2	102.6	98.5	73.67	72.58
Total.....	97	549	12.0	110.9	106.7	96.2	92.38	86.93

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Rough carpenters, male								
One week:								
Alabama.....	5	8	5.1	52.5	46.4	88.4	\$29.09	\$25.69
California.....	6	7	5.9	44.6	50.1	112.3	34.43	38.69
Connecticut.....	14	29	5.8	50.5	50.2	99.4	29.09	28.90
Georgia.....	6	10	5.6	54.0	49.5	91.7	26.73	24.49
Illinois.....	21	35	5.9	51.7	52.9	102.3	31.74	32.43
Indiana.....	10	20	5.9	51.5	50.7	96.4	29.87	29.40
Iowa.....	5	11	5.9	54.3	51.5	94.8	24.33	23.06
Kansas.....	2	3	6.0	53.5	54.5	101.9	21.72	22.13
Kentucky.....	3	6	5.7	49.0	45.7	93.3	24.65	22.99
Louisiana.....	3	6	6.0	46.5	46.8	100.6	23.26	23.34
Maryland.....	7	11	5.6	49.3	47.5	96.3	28.79	27.70
Massachusetts.....	16	71	5.8	49.4	49.3	99.8	29.20	29.12
Maine.....	3	10	5.4	48.7	47.0	96.5	26.69	25.77
Michigan.....	15	30	5.3	53.2	46.8	88.0	33.52	29.49
Missouri.....	9	19	5.5	51.9	47.9	92.3	29.89	27.62
New Hampshire.....	4	5	4.8	50.4	42.2	83.7	25.80	21.59
New Jersey.....	6	11	5.5	51.1	51.5	100.8	32.50	32.72
New York.....	22	30	5.7	49.9	49.4	99.0	29.39	29.08
Ohio.....	18	32	5.8	51.3	49.1	95.7	31.70	30.36
Oregon.....	2	2	6.0	45.3	45.2	99.8	27.68	27.59
Pennsylvania.....	8	15	4.8	51.4	50.0	97.3	25.91	22.66
Rhode Island.....	6	26	5.5	50.5	48.1	95.2	31.76	30.27
Texas.....	8	6	6.0	50.7	49.7	98.0	24.59	24.08
Tennessee.....	7	10	4.2	51.8	35.3	68.1	25.74	17.56
Wisconsin.....	3	4	6.0	53.4	56.1	105.1	34.34	36.06
Total.....	212	444	5.6	50.8	48.7	95.9	29.68	28.46
Two weeks or half month:								
California.....	5	8	11.3	105.2	95.6	90.9	68.38	62.14
Colorado.....	2	8	11.8	108.0	99.4	92.0	56.16	51.74
Illinois.....	3	8	12.1	106.0	101.8	96.0	62.43	59.95
Indiana.....	2	5	12.8	112.2	115.6	108.0	73.15	75.37
Iowa.....	2	4	12.0	121.0	106.3	87.9	60.86	53.44
Michigan.....	5	28	11.4	114.9	107.1	93.2	71.58	66.74
Minnesota.....	6	17	12.1	112.9	109.9	97.3	63.00	61.51
Missouri.....	2	3	11.3	112.0	102.8	91.8	54.66	50.15
Ohio.....	20	35	11.3	113.7	101.7	89.4	69.93	62.52
Oregon.....	2	2	11.0	100.0	85.5	85.5	65.80	56.28
Pennsylvania.....	18	40	12.3	109.9	107.5	97.8	72.31	70.79
Washington.....	3	5	12.6	104.0	109.2	105.0	66.98	70.31
Wisconsin.....	10	26	11.9	109.7	106.8	97.4	62.09	60.33
Other States.....	1	1	13.0	130.0	130.0	100.0	42.25	42.25
Total.....	81	190	11.8	111.3	105.5	94.8	67.45	63.91
Other employees, male								
One week:								
Alabama.....	4	34	5.6	54.2	51.8	95.6	\$25.37	\$24.26
California.....	7	46	6.4	44.7	43.5	97.3	26.91	26.15
Connecticut.....	15	192	5.6	52.7	52.0	98.7	27.93	27.56
Georgia.....	11	104	5.6	57.3	51.6	90.1	22.86	20.59
Illinois.....	21	183	5.7	51.1	50.3	98.4	34.35	33.99
Indiana.....	10	57	5.5	52.3	49.3	94.3	25.65	24.15
Iowa.....	10	102	6.3	56.3	55.0	97.7	28.56	28.90
Kansas.....	5	10	5.8	53.6	53.9	100.6	20.80	20.95
Kentucky.....	8	26	5.6	51.4	48.7	94.7	24.47	23.19
Louisiana.....	2	15	6.2	49.2	52.1	105.9	25.49	27.00
Massachusetts.....	21	247	5.7	49.7	48.6	97.8	30.86	30.14
Maine.....	3	27	5.3	47.1	45.3	96.2	27.93	26.86
Maryland.....	7	46	5.6	51.0	47.4	92.9	20.96	19.49
Michigan.....	28	440	6.8	52.0	64.1	104.0	34.89	36.34

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

FOUNDRIES—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Other employees, male—Continued								
One week—Continued.								
Missouri.....	13	62	5.7	53.0	50.5	95.3	\$25.39	\$24.21
New Hampshire.....	6	23	5.9	49.4	47.4	96.0	30.04	28.83
New Jersey.....	17	299	5.8	52.9	53.0	100.2	27.40	27.47
New York.....	23	369	5.6	51.7	50.8	98.3	34.85	34.26
Ohio.....	22	173	5.8	52.8	52.9	100.2	30.62	30.65
Oregon.....	3	23	5.7	48.3	48.8	101.0	28.95	28.61
Pennsylvania.....	18	164	5.4	51.3	50.1	97.7	29.14	28.44
Rhode Island.....	3	120	5.5	52.4	49.1	93.7	25.52	23.91
Tennessee.....	7	114	5.8	52.0	51.5	99.0	20.64	20.42
Texas.....	7	22	6.7	50.1	51.0	101.8	22.09	22.49
Wisconsin.....	3	26	5.7	54.3	52.3	96.3	28.94	27.89
Other States.....	2	23	5.0	48.3	37.5	77.6	28.84	22.39
Total.....	281	2,947	5.7	52.0	51.2	98.5	29.90	29.47
Two weeks or half month:								
California.....	5	46	12.3	101.6	104.8	103.1	61.26	63.15
Colorado.....	2	21	11.1	117.0	111.2	95.0	57.21	54.34
Illinois.....	5	82	11.5	112.0	104.0	92.9	75.60	70.24
Indiana.....	2	36	12.7	116.9	118.4	101.3	56.70	57.37
Iowa.....	2	27	13.6	124.5	121.5	97.6	63.87	62.34
Kansas.....	2	11	12.6	120.0	118.1	98.4	40.44	39.81
Michigan.....	11	149	12.4	103.9	126.9	122.1	64.42	78.69
Minnesota.....	6	73	13.5	124.3	111.3	89.5	64.88	58.04
Missouri.....	6	23	12.5	117.0	116.9	99.9	46.45	46.44
Ohio.....	17	272	11.6	122.0	113.0	92.6	72.96	67.54
Oregon.....	4	9	11.7	117.8	113.0	94.5	51.01	48.72
Pennsylvania.....	23	428	12.0	115.1	108.9	94.6	66.80	62.76
Washington.....	5	21	10.8	103.8	94.7	91.6	56.67	46.23
Wisconsin.....	10	116	11.3	113.5	105.1	92.6	64.13	59.37
Other States.....	1	6	12.0	102.0	103.2	101.2	55.18	55.83
Total.....	97	1,303	12.0	115.1	111.5	96.9	66.64	64.54

MACHINE SHOPS

Assemblers, male

One week:								
Alabama.....	6	26	5.7	53.8	52.0	96.7	\$25.93	\$25.07
Connecticut.....	17	524	5.8	50.2	49.6	98.8	31.96	31.63
Georgia.....	3	14	5.1	56.3	46.4	82.4	20.72	17.11
Illinois.....	20	5,99	5.8	49.8	48.0	96.4	35.01	33.72
Indiana.....	8	242	5.7	52.3	49.8	95.2	26.99	25.70
Iowa.....	3	42	5.9	52.9	54.9	103.8	28.99	30.07
Kentucky.....	2	7	5.7	49.6	51.2	103.2	23.71	24.48
Maine.....	3	52	5.2	48.7	43.5	89.3	27.61	24.66
Maryland.....	6	54	5.7	48.0	46.4	96.7	33.70	32.58
Massachusetts.....	34	865	5.8	48.9	49.3	100.8	30.86	31.08
Michigan.....	15	368	5.8	51.2	49.8	97.3	31.44	30.62
Missouri.....	9	166	5.7	52.7	51.0	96.8	28.88	27.96
New Hampshire.....	5	88	5.8	48.9	47.5	97.1	34.72	33.73
New Jersey.....	19	461	5.6	48.7	49.5	101.6	36.67	37.26
New York.....	18	866	5.5	48.3	47.4	98.1	32.07	31.48
Ohio.....	42	937	5.7	50.5	49.2	97.4	31.01	30.18
Oregon.....	2	3	5.3	48.0	42.8	89.2	29.62	26.44
Pennsylvania.....	11	230	5.7	50.3	49.1	97.6	25.60	24.88
Rhode Island.....	5	157	5.9	50.3	49.8	99.0	30.44	30.05
Washington.....	2	15	5.7	48.0	45.3	94.4	29.42	27.73
Other States.....	2	44	5.5	52.7	51.2	97.2	36.20	35.16
Total.....	238	5,760	5.7	49.8	48.9	98.2	31.67	31.13

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Assemblers, male—Continued								
Two weeks or half month:								
California.....	4	21	12.3	101.8	105.3	103.4	\$67.90	\$70.25
Colorado.....	2	14	11.5	104.9	100.9	96.2	68.92	66.28
Illinois.....	6	102	11.7	112.5	106.3	94.5	72.68	68.69
Iowa.....	2	39	11.9	119.8	113.5	94.7	51.03	48.43
Michigan.....	9	159	11.2	110.7	105.4	95.2	61.33	58.40
Minnesota.....	3	45	10.8	108.4	96.0	88.6	54.09	47.94
Ohio.....	19	473	11.4	109.9	100.7	91.6	70.12	64.31
Pennsylvania.....	9	253	12.6	111.3	108.3	97.3	82.70	80.45
Wisconsin.....	10	208	11.9	109.0	105.5	96.8	61.80	59.82
Other States.....	4	97	10.3	104.6	97.3	93.0	67.57	62.84
Total.....	68	1,391	11.6	110.0	103.7	94.3	68.97	65.02

Assemblers, female

One week:								
All States.....	8	146	5.7	50.7	47.7	94.1	\$22.61	\$21.27
Two weeks or half month:								
All States.....	1	4	8.3	100.0	72.8	72.8	37.80	27.47

Blacksmiths, male

One week:								
Alabama.....	7	10	5.8	52.8	51.0	96.6	\$36.17	\$34.93
California.....	6	9	6.0	44.9	47.4	105.6	39.11	41.29
Connecticut.....	18	36	5.8	50.4	52.4	104.0	37.45	38.91
Georgia.....	7	9	5.8	51.9	51.3	98.8	36.23	35.81
Illinois.....	21	53	5.7	49.8	48.2	96.8	37.55	36.34
Indiana.....	12	18	5.8	52.1	50.9	97.7	33.71	32.94
Iowa.....	3	4	6.0	52.0	54.3	104.4	35.83	37.36
Kansas.....	6	8	5.6	53.4	45.6	85.4	34.44	29.37
Kentucky.....	5	6	5.3	49.1	46.0	93.7	29.46	27.62
Louisiana.....	4	8	6.1	48.6	49.9	102.7	40.48	41.53
Maine.....	4	17	4.6	48.7	39.2	80.5	29.56	23.76
Maryland.....	7	9	5.9	48.1	47.1	97.9	35.16	34.44
Massachusetts.....	34	87	5.6	48.7	45.9	94.3	33.75	31.86
Michigan.....	15	21	5.7	51.0	48.9	95.9	36.92	35.40
Missouri.....	8	9	5.8	52.6	50.3	95.6	34.30	32.76
New Hampshire.....	6	13	5.3	52.5	46.0	87.6	37.07	32.47
New Jersey.....	23	49	5.8	49.6	48.8	98.4	35.56	35.01
New York.....	19	62	5.8	48.3	48.5	100.4	35.11	35.21
Ohio.....	31	61	5.8	49.9	49.3	98.8	35.98	35.55
Oregon.....	4	7	5.4	47.8	41.5	86.8	40.25	34.89
Pennsylvania.....	18	61	5.3	51.6	47.1	91.3	33.28	30.39
Rhode Island.....	9	18	5.7	50.3	47.8	95.0	35.31	33.58
Tennessee.....	7	9	6.0	48.2	47.2	97.9	36.15	35.41
Texas.....	11	20	5.9	51.0	51.3	100.6	37.74	37.93
Other States.....	2	3	6.0	49.7	49.0	98.6	32.21	31.76
Total.....	287	607	5.7	50.0	48.1	96.2	35.50	34.28
Two weeks or half month:								
California.....	6	12	12.0	103.2	97.8	94.8	100.62	95.36
Illinois.....	8	15	12.6	110.8	111.2	100.4	82.44	82.75
Indiana.....	2	11	12.5	110.5	104.9	94.9	88.73	84.22
Iowa.....	2	4	12.3	114.0	102.8	90.2	80.14	72.25
Kansas.....	2	3	12.3	111.0	111.0	100.0	87.83	87.80
Michigan.....	5	12	10.9	113.8	106.4	93.5	74.46	69.02

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued**MACHINE SHOPS—Continued**

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Blacksmiths, male—Continued								
Two weeks or half month—Con.								
Minnesota.....	7	20	12.2	108.7	101.8	93.7	\$65.44	\$61.28
Missouri.....	2	3	12.0	112.0	114.0	101.8	75.15	76.47
Ohio.....	27	70	12.0	111.4	103.8	93.2	77.97	72.67
Oregon.....	4	5	10.2	102.4	81.3	79.4	78.54	62.38
Pennsylvania.....	25	82	11.8	109.7	102.6	93.5	84.69	79.20
Washington.....	5	6	11.2	103.8	90.5	87.2	78.37	68.23
Wisconsin.....	10	31	11.9	107.3	97.4	90.8	73.50	66.69
Other States.....	3	4	12.5	108.6	107.0	98.5	87.10	85.80
Total.....	108	278	11.9	109.6	102.4	93.4	80.34	75.04

Blacksmiths' helpers, male

One week:								
Alabama.....	5	11	5.9	53.6	52.4	97.8	\$17.63	\$17.24
California.....	4	6	5.8	45.3	46.5	102.6	27.18	27.92
Connecticut.....	13	34	5.8	50.7	53.7	105.9	24.79	26.25
Georgia.....	3	6	6.0	51.2	50.4	98.4	14.69	14.47
Illinois.....	17	45	5.6	48.8	46.8	95.9	27.62	26.53
Indiana.....	9	17	5.8	52.1	51.8	99.4	25.95	25.84
Iowa.....	2	2	6.0	50.0	54.5	109.0	25.45	27.75
Kansas.....	4	9	6.0	54.9	45.6	83.1	27.12	22.51
Kentucky.....	2	2	6.0	47.0	45.0	95.7	21.20	20.30
Louisiana.....	4	9	5.8	48.1	47.6	99.0	22.75	22.53
Maine.....	3	14	4.7	48.7	40.1	82.3	24.06	19.83
Maryland.....	5	10	5.9	48.2	48.1	99.8	22.75	22.67
Massachusetts.....	23	55	5.4	48.9	45.0	92.0	24.69	22.73
Michigan.....	8	15	5.8	51.0	50.1	98.2	27.34	26.86
Missouri.....	5	6	5.7	52.3	49.4	94.5	25.52	24.13
New Hampshire.....	2	9	5.0	53.3	42.3	79.4	26.38	20.97
New Jersey.....	18	40	5.8	50.6	49.7	98.2	25.40	24.95
New York.....	18	52	5.7	48.0	47.1	98.1	27.17	25.68
Ohio.....	21	68	5.7	50.9	49.0	96.3	25.96	24.96
Oregon.....	3	6	4.2	48.0	35.9	74.8	28.42	21.26
Pennsylvania.....	14	59	5.4	51.6	47.8	92.6	24.92	23.06
Rhode Island.....	7	14	5.4	50.6	46.9	92.7	25.05	23.21
Tennessee.....	7	13	5.9	48.7	47.9	98.4	19.14	18.84
Texas.....	10	26	6.0	51.9	51.5	99.2	21.75	21.59
Other States.....	1	1	6.0	52.5	52.5	100.0	26.25	26.25
Total.....	208	529	5.6	50.2	48.1	95.8	25.00	23.94
Two weeks or half month:								
California.....	4	9	12.6	102.9	104.2	101.3	68.53	69.38
Illinois.....	6	13	11.0	110.6	99.4	89.9	57.84	51.95
Indiana.....	2	12	11.3	110.4	98.9	89.6	50.67	45.41
Iowa.....	2	9	10.8	117.3	96.5	82.3	52.55	43.22
Kansas.....	2	3	12.3	115.3	114.8	99.6	51.89	51.68
Michigan.....	4	11	10.0	113.6	93.1	82.0	54.76	44.81
Minnesota.....	6	19	12.3	110.8	103.6	93.5	50.54	47.35
Ohio.....	22	77	10.9	110.4	94.4	85.5	51.45	44.02
Oregon.....	2	3	12.3	104.0	100.4	96.5	56.89	54.96
Pennsylvania.....	24	127	11.3	110.4	98.0	88.8	61.71	54.76
Washington.....	3	7	10.3	103.6	82.8	79.9	59.57	47.58
Wisconsin.....	9	31	11.8	105.3	101.6	96.5	49.39	47.62
Other States.....	4	7	10.4	107.4	89.4	83.2	48.12	40.08
Total.....	90	328	11.2	109.8	97.6	88.9	56.22	49.94

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Boring-mill hands and operators, male								
One week:								
Alabama.....	3	9	4.7	54.0	43.1	79.8	\$37.04	\$29.56
California.....	4	33	5.1	45.6	42.9	94.1	41.13	38.69
Connecticut.....	16	127	5.8	50.5	50.7	100.4	34.44	34.59
Georgia.....	6	11	5.6	52.6	49.1	93.3	26.19	24.48
Illinois.....	25	195	5.8	50.2	49.1	97.8	37.75	36.94
Indiana.....	13	55	5.7	52.3	50.2	96.0	31.96	30.63
Kentucky.....	5	7	6.0	49.1	49.0	99.8	29.12	29.05
Maine.....	2	9	6.0	44.9	47.1	104.9	25.28	26.51
Maryland.....	3	7	6.0	49.6	48.5	97.8	34.87	34.10
Massachusetts.....	25	133	5.4	48.7	45.9	94.3	33.02	31.16
Michigan.....	12	93	5.5	53.0	51.5	97.2	31.38	30.45
Missouri.....	8	40	5.6	51.5	49.6	96.3	33.06	31.86
New Hampshire.....	3	10	5.2	51.0	46.1	90.4	29.78	26.92
New Jersey.....	19	58	5.5	49.0	47.0	95.9	36.80	35.29
New York.....	20	207	5.4	48.5	47.2	97.3	33.71	32.77
Ohio.....	36	214	5.7	49.8	48.1	96.6	33.76	32.61
Oregon.....	2	5	6.0	47.7	46.6	97.7	33.34	32.62
Pennsylvania.....	18	136	5.6	50.0	50.5	101.0	32.25	32.56
Rhode Island.....	5	31	5.7	50.5	49.0	97.0	30.60	29.70
Tennessee.....	3	4	5.8	49.0	45.8	93.5	27.73	25.93
Texas.....	5	9	6.0	50.4	51.4	102.0	28.17	28.72
Washington.....	2	12	5.9	48.0	47.8	99.6	39.02	38.82
Other States.....	4	25	5.7	54.0	57.9	107.2	33.86	36.33
Total.....	239	1,430	5.6	50.0	48.7	97.4	34.00	33.11
Two weeks or half month:								
California.....	6	30	11.9	108.3	108.0	99.7	90.21	90.00
Colorado.....	2	16	11.9	104.8	100.7	96.1	71.26	68.43
Illinois.....	8	38	12.6	111.4	112.6	101.1	81.66	82.53
Indiana.....	2	7	12.3	114.8	110.3	96.1	71.41	68.56
Iowa.....	2	14	11.0	118.9	108.5	87.0	61.23	53.35
Michigan.....	7	38	10.1	115.2	96.4	83.7	66.24	55.38
Minnesota.....	5	27	12.3	107.3	106.7	99.4	68.67	68.37
Oregon.....	27	172	11.5	111.6	102.3	91.7	79.12	72.52
Ohio.....	3	8	12.0	98.0	96.4	98.4	71.93	70.73
Pennsylvania.....	21	209	12.2	111.6	108.8	97.5	79.35	77.34
Washington.....	2	7	10.7	105.4	93.0	89.9	87.17	78.44
Wisconsin.....	13	127	12.2	113.5	115.0	101.3	82.29	83.39
Other States.....	4	12	11.4	108.2	105.1	97.1	66.98	65.06
Total.....	102	705	11.8	111.5	107.0	96.0	78.61	75.51
Crane operators, male								
One week:								
Alabama.....	3	4	5.8	54.4	53.0	97.4	\$25.62	\$24.94
California.....	4	7	5.6	44.0	44.1	100.2	30.76	30.85
Connecticut.....	10	49	6.0	49.9	52.9	106.0	23.95	25.41
Georgia.....	3	3	6.3	53.7	55.0	102.4	20.84	21.33
Illinois.....	14	43	5.7	49.8	48.7	97.8	28.34	27.68
Indiana.....	5	11	5.6	53.2	50.9	95.7	28.62	27.41
Maine.....	2	5	6.0	47.6	47.6	100.0	23.90	23.92
Maryland.....	4	6	5.0	48.3	43.0	89.0	21.88	19.48
Massachusetts.....	9	19	5.9	48.5	47.2	97.3	26.09	25.41
Michigan.....	4	7	4.7	50.9	42.7	83.9	34.00	28.52
Missouri.....	2	19	5.7	48.0	45.3	94.4	32.16	30.31
New Jersey.....	14	30	5.4	49.6	46.4	93.5	25.89	24.21
New York.....	15	55	5.8	48.8	50.3	103.1	26.60	27.42
Ohio.....	20	56	5.8	49.0	49.0	100.0	26.26	26.26
Pennsylvania.....	12	44	5.6	50.7	49.7	98.0	23.68	23.24
Rhode Island.....	3	6	5.8	50.3	51.6	102.6	25.00	25.61
Other States.....	6	10	5.9	49.2	46.9	95.3	28.16	26.84
Total.....	130	374	5.7	49.5	49.1	99.2	26.33	26.10

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Crane operators, male—Continued								
Two weeks or half month:								
California.....	4	10	12.5	103.1	105.6	102.4	\$67.94	\$69.53
Colorado.....	2	4	10.0	104.8	84.3	80.4	49.68	39.91
Illinois.....	7	19	12.7	112.1	118.1	105.4	57.51	60.55
Indiana.....	2	13	12.2	114.7	114.6	99.9	50.34	50.17
Iowa.....	2	2	13.5	116.0	117.0	100.9	58.00	58.50
Michigan.....	5	13	12.1	117.8	114.9	97.5	55.25	53.85
Minnesota.....	3	7	11.9	107.3	105.2	98.0	52.90	51.89
Ohio.....	19	102	11.9	111.4	106.2	95.3	57.26	54.65
Pennsylvania.....	24	104	12.1	112.8	117.1	103.8	60.69	62.94
Wisconsin.....	12	100	12.0	115.2	113.1	99.9	56.83	56.80
Other States.....	4	6	11.5	102.6	98.1	95.6	59.06	56.47
Total.....	84	380	12.0	112.1	111.9	99.8	57.97	57.83

Drill-press hands and operators, male

One week:								
Alabama.....	6	25	5.4	53.3	48.1	90.2	\$21.59	\$19.48
California.....	7	43	5.8	44.2	44.8	101.4	26.52	26.87
Connecticut.....	18	159	5.6	50.7	49.2	97.0	29.25	28.42
Georgia.....	6	17	5.4	51.7	47.9	92.6	18.46	17.07
Illinois.....	26	556	5.7	49.3	47.4	96.1	32.09	30.84
Indiana.....	12	213	5.5	53.3	51.0	95.7	27.40	26.24
Iowa.....	2	70	5.8	53.7	52.9	98.6	26.42	26.02
Kansas.....	2	7	5.9	58.3	50.1	85.8	22.68	19.47
Kentucky.....	8	15	5.3	51.8	44.0	84.9	23.67	20.08
Louisiana.....	2	6	6.0	51.3	52.5	102.3	25.70	26.33
Maine.....	3	38	4.7	48.9	39.5	80.8	25.13	20.31
Maryland.....	4	26	6.0	48.7	48.5	98.6	28.73	28.63
Massachusetts.....	36	466	5.5	49.0	47.4	96.7	30.09	29.09
Michigan.....	17	208	5.6	51.6	47.6	96.1	30.70	29.50
Missouri.....	12	75	5.8	52.6	50.7	96.4	25.56	24.65
New Hampshire.....	6	62	5.6	50.3	48.2	95.8	30.58	29.39
New Jersey.....	25	145	5.6	49.2	47.4	96.3	30.16	29.09
New York.....	20	448	5.4	48.3	46.1	95.4	30.24	28.83
Ohio.....	40	397	5.5	50.9	46.9	92.1	28.71	26.45
Oregon.....	4	11	6.0	47.6	47.1	98.9	29.94	29.61
Pennsylvania.....	21	340	5.5	50.9	49.2	96.7	25.30	24.44
Rhode Island.....	10	150	5.8	50.5	49.2	97.4	27.98	27.26
Tennessee.....	4	8	5.1	48.8	42.8	87.7	26.35	23.08
Texas.....	10	75	5.5	50.6	48.7	96.2	20.29	19.51
Other States.....	2	30	5.2	51.2	50.4	98.4	31.08	30.56
Total.....	303	3,590	5.6	49.2	48.0	97.6	28.39	27.69
Two weeks or half month:								
California.....	6	32	11.7	101.4	98.9	97.5	63.07	61.46
Colorado.....	2	20	11.7	104.8	98.5	93.9	58.27	54.76
Illinois.....	8	55	11.9	111.7	106.7	95.5	72.38	69.16
Indiana.....	2	22	12.4	114.8	112.8	98.3	62.68	61.68
Iowa.....	2	46	10.7	119.8	104.4	87.1	49.12	42.79
Kansas.....	2	4	9.8	112.5	86.0	76.4	40.84	31.21
Michigan.....	9	66	10.9	110.7	96.8	87.4	57.90	50.64
Minnesota.....	6	76	10.4	111.1	91.4	82.0	62.33	51.31
Missouri.....	3	9	10.1	117.1	97.7	83.4	50.24	41.88
Ohio.....	30	338	11.1	111.3	98.9	88.9	61.22	54.36
Oregon.....	3	23	10.5	98.4	83.0	84.3	56.78	47.89
Pennsylvania.....	24	403	11.9	110.1	104.6	95.0	73.22	69.54
Washington.....	5	20	10.9	103.2	85.5	82.8	66.25	54.94
Wisconsin.....	15	268	11.5	113.1	104.1	92.0	64.58	59.43
Other States.....	3	40	9.7	105.1	85.9	81.7	42.36	34.62
Total.....	120	1,422	11.4	110.1	100.8	91.6	64.41	58.96

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Drill-press hands and operators, female								
One week:								
All States.....	14	84	5.8	48.9	49.4	101.0	\$23.72	\$23.97
Two weeks or half month:								
All States.....	2	9	8.2	100.0	67.7	67.7	40.70	27.51
Fitters and bench hands, male								
One week:								
Alabama.....	4	12	5.6	53.3	49.0	91.9	\$31.45	\$28.89
California.....	7	166	5.7	44.2	43.7	98.9	35.80	35.43
Connecticut.....	10	97	5.5	51.6	51.2	99.2	29.10	28.89
Georgia.....	2	6	5.2	51.0	43.4	85.1	25.30	21.52
Illinois.....	20	504	5.7	48.8	46.7	95.7	34.16	32.67
Indiana.....	13	270	5.7	52.0	50.1	96.3	29.39	28.54
Iowa.....	3	6	5.7	51.2	50.8	99.2	27.70	27.52
Kansas.....	3	26	6.0	58.8	53.9	91.7	29.58	27.08
Kentucky.....	8	52	5.6	48.9	44.9	91.8	29.98	27.52
Maine.....	3	54	5.7	45.5	47.3	104.0	22.61	23.51
Maryland.....	3	15	6.0	48.1	47.9	99.6	33.09	32.95
Massachusetts.....	33	673	5.5	48.6	46.4	95.1	31.57	30.03
Michigan.....	19	302	5.6	51.3	48.2	94.0	31.85	29.91
Missouri.....	9	57	5.8	52.8	51.3	97.2	28.88	28.06
New Hampshire.....	7	133	5.0	48.7	42.9	88.1	32.19	28.34
New Jersey.....	25	309	5.7	48.8	47.8	98.0	32.35	31.70
New York.....	19	1,332	5.7	48.1	47.0	97.7	34.15	33.35
Ohio.....	38	673	5.7	48.7	46.9	96.3	27.66	28.67
Oregon.....	2	10	5.6	48.0	46.2	96.3	36.29	34.90
Pennsylvania.....	21	735	5.6	51.8	50.2	96.9	30.87	29.95
Rhode Island.....	10	378	5.8	50.4	48.7	96.6	29.69	28.72
Tennessee.....	4	27	5.6	48.2	45.0	93.4	29.21	27.25
Texas.....	8	87	5.4	50.4	49.3	97.8	26.51	25.95
Washington.....	2	43	5.8	48.0	46.8	97.5	36.82	35.91
Other States.....	2	15	5.4	54.7	49.0	89.6	32.71	29.32
Total.....	275	5,982	5.6	49.4	47.6	96.4	31.62	30.49
Two weeks or half month:								
California.....	6	80	11.6	101.0	97.7	96.7	76.46	73.93
Colorado.....	2	11	12.4	104.6	100.4	96.0	66.11	63.48
Illinois.....	8	118	11.9	112.5	106.0	94.2	70.31	66.26
Indiana.....	2	42	12.2	114.5	107.2	93.6	72.02	67.36
Iowa.....	2	16	12.3	116.0	107.1	92.3	58.70	54.17
Michigan.....	8	104	11.7	112.2	102.5	91.4	64.74	59.10
Minnesota.....	7	78	11.7	108.2	103.3	95.5	68.82	65.72
Missouri.....	2	15	11.4	117.6	112.9	96.0	59.04	56.65
Ohio.....	29	461	11.6	110.4	100.7	91.2	68.34	62.35
Oregon.....	2	14	9.9	97.1	75.9	78.2	70.69	55.29
Pennsylvania.....	24	604	12.1	111.0	105.7	95.2	78.70	74.88
Washington.....	3	55	12.1	103.0	98.6	95.7	76.53	73.27
Wisconsin.....	15	562	12.2	112.8	109.9	97.4	70.50	68.72
Other States.....	3	15	10.9	109.0	96.1	88.2	56.35	49.72
Total.....	113	2,175	11.9	110.8	104.8	95.0	72.13	68.23
Fitters and bench hands, female								
One week:								
All States.....	14	146	5.3	49.3	43.4	88.0	\$23.07	\$20.32

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATIONS, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Grinding-machine hands and operators, male								
One week:								
Connecticut.....	17	116	6.8	50.6	51.6	102.0	\$29.60	\$30.19
Illinois.....	16	319	5.8	49.7	48.4	97.4	33.55	32.68
Indiana.....	8	83	5.6	54.4	53.3	98.0	34.60	33.91
Iowa.....	2	23	5.5	53.6	47.8	89.2	30.71	27.40
Kansas.....	2	2	6.0	60.0	59.5	99.2	21.24	21.05
Kentucky.....	2	2	6.0	50.0	56.3	112.6	22.15	24.93
Maine.....	2	43	4.2	50.0	37.5	75.0	27.80	20.82
Maryland.....	4	72	5.8	53.0	49.8	94.0	36.78	34.58
Massachusetts.....	31	174	5.4	50.3	47.9	95.2	30.73	29.26
Michigan.....	13	46	5.6	50.7	47.8	94.3	30.32	28.56
Missouri.....	7	18	5.6	54.2	50.6	93.4	27.91	26.04
New Hampshire.....	4	24	5.9	48.8	47.1	96.5	28.55	27.54
New Jersey.....	10	43	5.5	46.9	47.6	101.5	30.95	31.41
New York.....	17	227	5.6	48.3	46.3	95.9	32.12	30.79
Ohio.....	37	154	5.7	49.6	47.3	95.4	29.96	28.55
Pennsylvania.....	18	118	5.4	50.4	48.1	95.4	31.90	30.48
Rhode Island.....	9	148	5.8	50.1	48.5	96.8	30.61	29.63
Other States.....	4	17	5.2	50.9	52.2	102.6	30.90	31.65
Total.....	203	1,584	5.6	50.1	48.2	96.2	31.56	30.36
Two weeks or half month:								
California.....	3	36	11.9	112.0	112.5	100.4	82.21	82.58
Colorado.....	2	5	12.4	104.7	102.4	97.8	63.76	62.35
Illinois.....	6	48	11.3	109.8	99.7	90.8	73.46	66.63
Indiana.....	2	2	13.0	114.5	111.0	96.9	70.42	68.29
Iowa.....	2	21	11.2	119.6	104.6	87.5	53.94	47.14
Michigan.....	6	22	10.7	107.8	95.0	88.1	64.25	56.59
Ohio.....	16	97	12.0	110.6	105.0	94.9	67.02	63.61
Pennsylvania.....	10	97	12.5	112.2	107.8	96.1	85.95	82.58
Washington.....	2	6	12.2	102.8	97.1	94.5	77.31	73.05
Wisconsin.....	13	84	11.9	114.6	107.3	93.6	70.94	66.40
Other States.....	2	14	11.8	109.8	105.1	95.7	80.92	77.42
Total.....	64	432	11.9	117.7	105.5	89.6	77.80	69.76

Laborers, male

One week:								
Alabama.....	6	40	5.5	53.8	50.5	93.9	\$15.33	\$14.40
California.....	6	41	5.7	44.6	44.3	99.3	23.99	23.87
Connecticut.....	17	312	5.6	50.7	50.3	99.2	22.97	22.79
Georgia.....	9	58	5.5	53.3	51.7	97.0	11.78	11.45
Illinois.....	27	962	5.7	49.5	48.1	97.2	25.49	24.77
Indiana.....	13	388	5.8	52.4	51.8	96.9	22.85	22.66
Iowa.....	4	47	5.8	51.9	53.1	102.3	20.92	21.43
Kansas.....	3	22	5.6	50.7	52.7	88.3	22.21	19.60
Kentucky.....	7	33	5.8	52.6	48.0	91.3	20.67	18.87
Louisiana.....	4	32	4.6	47.5	41.1	86.5	18.15	15.73
Maine.....	4	59	5.3	48.9	44.0	90.0	20.98	18.86
Maryland.....	8	79	5.8	49.9	49.3	98.8	22.11	21.84
Massachusetts.....	38	955	5.5	49.2	47.8	97.2	23.81	23.14
Michigan.....	18	437	5.6	50.9	47.7	93.7	24.18	22.64
Missouri.....	11	97	5.8	53.1	51.1	96.2	20.39	19.62
New Hampshire.....	8	55	5.1	50.7	44.0	86.8	23.52	20.43
New Jersey.....	27	379	5.7	50.0	49.7	99.4	24.20	24.10
New York.....	21	1,084	5.6	48.6	47.9	98.6	21.82	21.53
Ohio.....	43	772	5.7	50.0	48.6	97.2	21.80	21.16
Oregon.....	2	3	6.0	48.0	48.5	101.0	20.50	20.69
Pennsylvania.....	21	775	5.2	51.5	46.8	90.9	21.63	19.64
Rhode Island.....	12	354	5.8	53.6	52.3	97.6	23.26	22.69
Tennessee.....	5	30	5.3	49.8	44.7	89.8	15.19	13.63

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Laborers, male—Continued								
One week—Continued.								
Texas.....	11	80	5.3	52.9	48.6	91.9	\$20.58	\$18.87
Other States.....	2	23	5.0	50.2	44.8	89.2	23.79	21.24
Total.....	327	7,067	5.6	50.3	48.5	96.4	22.89	22.04
Two weeks or half month:								
California.....	3	34	12.1	104.8	100.2	95.6	58.69	56.07
Colorado.....	2	30	10.2	104.8	85.4	81.5	44.96	36.61
Illinois.....	8	187	12.0	114.4	111.1	97.1	51.59	50.11
Indiana.....	2	36	12.1	114.6	108.0	94.2	45.15	42.50
Kansas.....	3	17	9.8	112.8	88.4	78.4	37.90	29.72
Michigan.....	9	120	11.3	115.8	106.7	92.1	50.72	46.77
Minnesota.....	7	124	11.5	110.2	98.1	89.0	47.86	42.58
Missouri.....	2	15	8.9	112.5	82.9	73.7	33.53	24.72
Ohio.....	28	746	11.0	113.2	98.9	87.4	52.07	45.44
Pennsylvania.....	26	832	12.0	112.0	106.4	95.0	53.31	50.59
Washington.....	2	9	12.0	104.0	96.6	92.9	51.06	47.43
Wisconsin.....	15	509	11.9	111.1	107.8	97.0	51.33	49.78
Other States.....	5	107	11.1	114.3	100.6	88.0	44.12	38.81
Total.....	112	2,766	11.6	112.4	103.8	92.3	51.48	47.57
Lathe hands and operators, engine, male								
One week:								
Alabama.....	5	32	5.8	53.7	51.2	95.3	\$35.55	\$33.89
California.....	6	107	5.8	44.7	45.1	100.9	37.10	37.41
Connecticut.....	18	247	5.7	50.3	49.4	98.2	32.39	31.80
Georgia.....	5	23	5.7	52.4	51.0	97.3	25.99	25.30
Illinois.....	28	558	5.7	50.0	48.6	97.2	36.20	35.22
Indiana.....	13	133	5.6	52.3	49.7	95.0	31.64	30.04
Iowa.....	2	30	5.6	54.3	49.7	91.5	29.76	27.20
Kansas.....	4	19	6.2	54.9	56.5	102.9	28.77	29.59
Kentucky.....	7	27	5.7	49.1	46.7	95.1	29.51	28.04
Maine.....	4	67	4.9	48.3	40.7	84.3	27.14	22.90
Maryland.....	5	49	5.1	48.5	42.2	87.0	32.06	27.87
Massachusetts.....	33	534	5.6	49.7	48.1	96.8	30.17	29.24
Michigan.....	14	141	5.7	52.3	50.6	96.7	32.43	31.33
Missouri.....	10	113	5.5	51.2	47.4	92.6	32.20	29.82
New Hampshire.....	7	74	5.1	50.0	45.4	90.8	32.35	29.35
New Jersey.....	25	220	5.6	49.0	47.4	96.7	35.13	34.03
New York.....	21	516	5.6	48.5	47.7	98.4	34.19	33.59
Ohio.....	41	497	5.7	49.3	47.0	95.3	30.57	29.22
Oregon.....	2	17	5.8	48.0	46.8	97.5	36.62	35.70
Pennsylvania.....	20	407	5.6	50.4	49.5	98.2	30.74	30.17
Rhode Island.....	9	174	5.8	50.5	48.7	96.4	30.40	29.32
Tennessee.....	2	4	5.3	49.0	44.3	90.4	33.66	30.39
Texas.....	7	79	5.7	50.5	51.6	102.2	31.71	32.40
Washington.....	2	41	5.8	48.0	46.4	96.7	37.49	36.23
Other States.....	2	18	5.2	51.9	49.5	95.4	36.59	34.90
Total.....	292	4,127	5.6	49.8	48.1	96.6	32.59	31.48
Two weeks or half month:								
California.....	6	111	11.4	103.2	95.3	92.3	80.91	74.67
Colorado.....	2	22	11.7	104.8	99.3	94.8	68.96	65.35
Illinois.....	8	75	12.4	110.5	111.3	100.7	76.02	76.55
Indiana.....	2	22	12.0	114.5	104.7	91.4	87.48	80.04
Iowa.....	2	45	11.4	121.2	109.3	90.2	60.12	54.23
Michigan.....	7	90	11.0	114.1	102.0	89.4	73.25	65.42
Minnesota.....	5	67	11.1	109.1	97.8	89.6	70.48	63.15
Ohio.....	27	370	11.3	113.3	102.4	90.4	74.44	67.21
Oregon.....	3	32	11.3	101.0	90.7	89.8	71.10	63.85

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						

Lathe hands and operators, engine, male—Continued

Two weeks or half month—Contd.								
Pennsylvania.....	25	500	12.0	112.3	107.3	95.5	\$82.09	\$78.47
Washington.....	3	29	12.0	103.0	94.2	91.5	77.15	70.53
Wisconsin.....	15	320	11.7	111.7	105.1	95.0	72.94	69.24
Other States.....	4	46	11.5	106.4	99.1	93.1	66.18	61.60
Total.....	109	1,729	11.7	111.4	104.0	93.4	76.20	71.12

Lathe hands and operators, turret, male

One week:								
Alabama.....	3	14	5.8	53.9	52.1	96.7	\$30.35	\$29.33
California.....	6	23	5.9	44.3	47.4	107.0	36.68	39.25
Connecticut.....	16	107	5.7	50.9	49.9	95.0	32.88	32.25
Georgia.....	3	6	5.5	51.9	48.7	93.8	23.51	22.05
Illinois.....	20	380	5.7	49.1	47.6	96.9	36.73	35.58
Indiana.....	12	139	5.5	53.5	51.5	96.3	31.89	30.69
Iowa.....	3	29	5.8	52.9	52.9	100.0	29.15	29.12
Kentucky.....	5	17	5.8	53.2	47.6	89.5	24.79	22.16
Maine.....	4	67	4.3	49.7	37.5	75.5	27.19	20.52
Maryland.....	3	17	4.2	48.1	34.1	70.9	32.90	23.33
Massachusetts.....	30	413	5.4	49.0	47.2	96.3	31.90	30.66
Michigan.....	12	225	5.4	52.1	47.3	90.8	30.53	27.74
Missouri.....	7	33	5.7	53.5	50.5	94.4	24.56	23.19
New Hampshire.....	7	58	5.8	49.3	53.4	108.3	30.37	32.89
New Jersey.....	23	128	5.7	49.3	49.2	99.8	33.08	33.00
New York.....	20	167	5.6	48.9	46.6	95.3	31.69	30.21
Ohio.....	35	186	5.6	50.2	47.0	93.6	30.57	28.62
Pennsylvania.....	15	155	5.6	50.2	48.4	96.4	29.07	28.04
Rhode Island.....	6	73	5.7	50.9	48.7	95.7	30.69	29.35
Tennessee.....	2	2	6.0	49.0	49.0	100.0	25.63	25.65
Texas.....	5	121	5.4	51.8	50.3	97.1	27.66	26.83
Washington.....	2	12	6.0	48.0	48.4	100.8	34.66	34.91
Other States.....	2	9	5.6	51.5	51.8	100.6	36.41	36.59
Total.....	241	2,381	5.5	50.2	47.9	95.4	31.83	30.40
Two weeks or half month:								
California.....	5	22	11.8	107.3	102.8	95.8	79.62	76.21
Colorado.....	2	8	12.6	104.7	91.9	87.8	76.64	67.30
Illinois.....	6	21	12.9	110.5	115.4	104.4	71.94	75.16
Indiana.....	2	14	11.0	114.9	101.7	88.5	79.63	70.44
Iowa.....	2	5	13.6	115.2	117.8	102.3	64.17	65.62
Michigan.....	7	30	8.5	111.8	77.5	69.3	67.64	46.87
Minnesota.....	4	32	11.1	111.6	100.6	90.1	73.21	65.97
Ohio.....	24	230	11.3	111.1	100.2	90.2	70.44	63.46
Pennsylvania.....	15	434	12.8	112.0	110.7	98.8	80.30	79.41
Washington.....	2	8	11.9	102.7	100.7	98.1	78.87	77.33
Wisconsin.....	14	182	12.0	113.3	107.3	94.7	73.42	69.55
Other States.....	4	26	11.6	100.4	93.3	92.9	58.83	54.71
Total.....	87	1,012	12.1	111.5	105.6	94.7	75.60	71.53

Lathe hands and operators, turret, female

One week								
All States.....	3	27	5.2	49.9	43.2	86.6	\$24.35	\$21.11

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours worked in pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Machinists, male								
One week:								
Alabama.....	7	52	5.5	53.2	49.5	93.0	\$35.80	\$33.31
California.....	12	185	5.8	44.5	43.7	98.2	36.50	36.19
Connecticut.....	12	122	5.8	49.1	48.8	99.4	32.95	32.77
Georgia.....	11	67	5.7	54.4	51.2	94.1	34.49	32.48
Illinois.....	19	223	5.8	49.1	49.4	100.6	38.45	38.69
Indiana.....	7	63	5.7	54.7	55.0	100.5	33.37	33.57
Iowa.....	5	45	5.7	52.2	50.2	96.2	30.69	29.51
Kansas.....	6	47	5.9	48.7	49.8	102.3	35.79	36.59
Kentucky.....	7	41	5.7	50.8	47.0	92.5	32.21	29.82
Louisiana.....	5	55	5.5	48.1	43.4	90.2	33.77	34.99
Maine.....	4	55	6.1	50.0	43.0	86.0	30.90	25.46
Maryland.....	7	176	5.8	47.8	45.8	95.8	31.31	30.01
Massachusetts.....	28	234	5.3	48.8	46.3	94.9	31.92	30.26
Michigan.....	18	218	5.7	50.5	49.5	98.0	37.37	36.62
Missouri.....	9	46	5.9	48.9	47.9	98.0	37.85	37.07
New Hampshire.....	3	116	5.6	53.5	50.7	94.8	34.08	32.28
New Jersey.....	24	147	5.7	49.6	49.0	98.8	35.71	35.33
New York.....	20	249	5.7	48.5	47.2	97.3	34.44	33.52
Ohio.....	19	80	5.8	51.0	50.3	98.6	33.56	33.11
Oregon.....	4	22	5.8	47.2	46.8	99.2	34.69	34.42
Pennsylvania.....	19	181	5.7	52.5	51.9	98.9	34.81	34.45
Rhode Island.....	11	231	5.8	50.2	48.5	96.6	31.17	30.12
Tennessee.....	7	61	5.8	48.0	46.8	97.5	36.10	35.23
Texas.....	11	102	5.6	49.6	49.7	100.2	38.39	38.45
Washington.....	3	16	5.8	46.0	45.6	99.1	38.00	37.72
Other States.....	1	7	5.7	52.5	55.9	106.5	32.55	34.70
Total.....	279	2,838	5.7	49.7	48.3	97.2	34.69	33.73
Two weeks or half month:								
California.....	5	53	10.9	102.2	90.7	88.7	86.36	76.66
Colorado.....	2	32	11.7	104.9	100.3	95.6	76.16	72.85
Illinois.....	6	29	11.8	109.9	109.5	100.6	77.86	78.28
Kansas.....	4	30	11.2	108.2	99.1	91.6	75.20	68.82
Michigan.....	8	170	11.7	109.0	105.6	96.9	71.13	68.97
Minnesota.....	6	38	12.6	106.8	105.3	98.6	62.50	66.51
Missouri.....	3	21	10.7	110.2	102.9	93.4	68.76	64.23
Ohio.....	20	159	11.8	114.0	109.9	96.4	77.86	75.06
Oregon.....	6	59	11.7	101.3	94.3	93.1	75.37	70.20
Pennsylvania.....	21	248	11.7	112.6	106.7	94.8	84.00	79.61
Washington.....	3	46	12.2	104.0	99.8	96.0	80.91	77.63
Wisconsin.....	8	60	12.6	113.8	114.7	100.8	80.57	81.16
Other States.....	3	31	10.5	104.3	98.0	94.0	80.10	75.30
Total.....	95	982	11.7	109.6	105.1	95.9	78.04	74.76
Machinists' and toolmakers' helpers, male								
One week:								
Alabama.....	4	7	5.9	52.5	51.5	98.1	\$27.46	\$26.96
California.....	12	81	5.8	44.4	45.3	102.0	25.53	26.06
Connecticut.....	7	91	5.8	49.0	51.4	104.9	22.59	23.69
Georgia.....	3	13	5.9	51.4	49.0	95.3	17.06	16.25
Illinois.....	14	89	5.9	46.2	47.8	103.5	28.09	29.08
Indiana.....	5	38	5.7	53.4	52.1	97.6	24.51	23.96
Kansas.....	6	17	5.9	51.8	52.8	101.9	20.46	20.84
Kentucky.....	3	5	5.4	53.9	48.1	89.2	22.21	19.80
Louisiana.....	4	18	6.1	45.6	45.6	100.0	19.77	19.77
Maine.....	2	9	4.3	50.0	39.8	79.6	22.60	17.99
Maryland.....	5	37	5.4	48.3	43.4	89.9	21.11	18.96
Massachusetts.....	15	50	5.8	47.9	46.9	97.9	23.23	22.44
Michigan.....	16	137	5.5	51.0	50.0	98.0	25.14	24.63
Missouri.....	8	15	5.8	50.6	48.4	95.7	22.16	21.21

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Machinists' and toolmakers' helpers, male—Continued								
One week—Continued.								
New Jersey.....	15	61	5.5	49.4	47.6	96.4	\$27.81	\$26.79
New York.....	15	183	5.5	47.9	46.9	97.9	24.57	24.09
Ohio.....	12	49	5.8	50.3	48.6	96.6	23.90	23.22
Oregon.....	4	13	5.9	47.4	46.2	97.5	25.74	25.06
Pennsylvania.....	15	184	5.7	53.0	51.7	97.5	24.38	23.78
Rhode Island.....	5	43	5.9	50.0	48.9	97.8	25.35	24.80
Tennessee.....	6	13	5.9	51.8	51.3	99.0	21.45	21.23
Texas.....	9	56	5.4	48.9	45.9	93.9	21.42	20.09
Washington.....	2	3	5.3	48.7	42.6	87.5	29.17	25.51
Other States.....	3	8	5.6	52.9	51.8	97.9	25.97	25.44
Total.....	190	1,265	5.7	49.5	48.7	98.4	24.45	24.04
Two weeks or half month:								
California.....	6	54	11.8	102.3	101.6	99.3	55.55	55.12
Colorado.....	2	16	11.0	104.9	94.9	90.5	49.83	45.09
Illinois.....	3	7	12.4	113.4	112.0	98.8	55.91	55.21
Kansas.....	3	11	11.7	109.5	109.7	100.2	44.90	44.92
Michigan.....	4	46	12.3	107.4	112.4	104.7	52.09	54.51
Minnesota.....	3	4	12.0	105.7	105.2	99.5	49.36	49.15
Missouri.....	3	11	9.0	111.8	84.6	75.7	36.67	27.79
Ohio.....	8	25	11.1	113.9	99.9	87.7	53.08	46.50
Oregon.....	6	39	11.5	100.4	92.6	92.2	54.32	50.06
Pennsylvania.....	20	106	11.5	111.7	106.2	95.1	55.29	52.54
Washington.....	4	13	12.1	104.0	97.2	93.5	58.45	54.62
Wisconsin.....	7	27	10.9	106.5	99.6	91.8	49.69	45.56
Other States.....	3	17	11.5	103.7	98.7	95.2	48.95	46.55
Total.....	72	376	11.5	107.5	102.4	95.3	53.00	50.54

Milling-machine hands and operators, male

One week:								
Alabama.....	3	5	5.6	53.3	50.4	94.6	\$25.96	\$24.54
California.....	2	9	5.7	44.0	41.6	94.5	35.73	33.76
Connecticut.....	18	160	5.8	50.3	49.6	98.6	30.48	30.01
Illinois.....	20	255	5.8	48.8	48.7	99.8	35.67	35.60
Indiana.....	12	57	5.3	53.6	49.1	91.6	32.32	29.62
Kentucky.....	4	9	5.6	49.6	44.3	89.3	24.65	22.01
Maine.....	3	27	4.7	49.1	40.1	81.7	27.05	22.07
Maryland.....	4	30	5.3	48.4	43.9	90.7	33.15	30.06
Massachusetts.....	32	339	5.5	48.8	46.6	95.5	30.50	29.09
Michigan.....	18	107	5.6	51.2	48.8	95.3	32.10	30.54
Missouri.....	9	23	5.7	53.1	50.5	95.1	29.84	28.39
New Hampshire.....	7	53	5.5	48.6	47.3	97.3	30.81	30.01
New Jersey.....	17	63	5.6	48.9	48.3	98.8	35.89	35.46
New York.....	19	497	5.5	48.0	46.1	96.0	34.32	32.95
Ohio.....	43	261	5.7	49.0	47.8	97.6	30.04	29.30
Oregon.....	2	4	6.0	47.6	48.0	100.8	41.60	41.91
Pennsylvania.....	20	194	5.6	51.5	50.2	97.5	30.75	29.95
Rhode Island.....	8	142	5.7	50.4	48.3	95.8	30.39	29.18
Tennessee.....	3	5	5.4	48.4	43.7	90.3	26.33	23.77
Texas.....	3	34	5.5	51.2	54.0	105.5	27.29	28.77
Washington.....	2	4	6.0	48.0	47.9	99.8	38.40	38.30
Other States.....	4	28	5.4	54.8	50.4	92.0	31.24	28.71
Total.....	253	2,306	5.6	49.5	47.7	96.4	31.63	30.51
Two weeks or half month:								
California.....	6	18	11.8	103.4	98.6	95.4	74.34	70.84
Colorado.....	2	6	11.5	104.8	96.0	91.6	68.12	62.38
Illinois.....	5	25	12.7	111.2	116.0	104.3	73.61	76.72
Indiana.....	2	8	12.3	114.8	113.4	98.8	83.23	82.28

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Milling-machine hands and operators, male—Continued								
Two weeks or half month—Con.								
Iowa.....	2	8	12.1	120.5	113.8	94.4	\$59.17	\$55.86
Michigan.....	6	31	9.7	110.8	88.1	79.5	53.50	49.53
Minnesota.....	4	19	12.7	108.4	108.9	100.5	71.44	71.71
Ohio.....	23	172	11.2	112.6	101.0	89.7	70.26	63.00
Pennsylvania.....	16	182	12.9	111.8	113.5	101.5	86.53	87.53
Washington.....	2	14	9.1	102.7	75.9	73.9	76.10	56.18
Wisconsin.....	15	126	12.1	113.3	108.4	95.7	69.34	66.53
Other States.....	3	10	11.7	99.8	100.2	100.4	53.58	58.82
Total.....	86	619	11.9	111.6	106.0	95.0	74.88	71.13
Milling-machine hands and operators, female								
One week:								
All States.....	7	32	5.3	49.4	43.2	87.4	\$24.55	\$21.44
Packers and craters, male								
One week:								
California.....	2	6	5.7	44.0	42.7	97.0	\$27.06	\$26.26
Connecticut.....	10	34	5.7	51.4	48.8	94.9	27.04	25.66
Georgia.....	3	18	5.7	53.7	50.9	94.8	14.34	13.60
Illinois.....	20	163	5.8	49.2	47.8	97.2	26.96	26.19
Indiana.....	13	98	5.8	52.0	50.8	97.7	26.83	26.21
Iowa.....	4	17	5.9	53.1	52.0	97.9	24.85	24.35
Kansas.....	2	4	6.0	57.0	52.3	91.8	22.69	20.79
Kentucky.....	4	4	6.0	47.4	50.9	107.4	21.00	22.56
Maine.....	3	12	5.2	49.0	44.4	90.6	27.15	24.60
Maryland.....	4	14	5.9	49.5	48.9	98.8	23.36	23.08
Massachusetts.....	24	97	5.3	49.3	45.5	92.3	27.07	24.98
Michigan.....	16	98	5.9	60.3	48.8	97.0	27.82	27.01
Missouri.....	7	34	5.8	53.4	51.8	97.0	24.35	23.66
New Hampshire.....	3	3	5.7	50.7	51.7	102.0	21.75	22.16
New Jersey.....	7	31	5.9	49.9	49.6	99.4	26.70	26.51
New York.....	14	118	5.8	48.4	51.0	105.4	26.81	28.24
Ohio.....	33	152	5.8	50.7	51.5	101.6	25.55	25.94
Pennsylvania.....	15	88	5.6	50.8	50.6	99.6	24.43	24.38
Rhode Island.....	7	42	5.8	50.3	48.4	96.2	24.70	23.74
Tennessee.....	2	3	6.0	48.0	43.7	101.5	23.95	24.33
Texas.....	3	13	6.0	52.6	51.7	98.3	21.25	20.91
Other States.....	2	10	5.4	52.1	52.0	99.8	28.78	28.74
Total.....	198	1,065	5.7	50.3	49.5	98.4	26.01	25.61
Two weeks or half month:								
California.....	3	13	11.9	102.9	106.3	103.3	59.27	61.17
Illinois.....	8	41	12.6	113.9	113.3	99.5	55.81	55.53
Indiana.....	2	5	12.8	114.5	119.4	104.3	50.38	52.54
Iowa.....	2	9	11.2	117.3	103.7	88.4	51.38	45.47
Michigan.....	7	38	10.9	110.0	101.2	92.0	49.61	45.65
Minnesota.....	4	15	12.9	109.7	111.4	101.5	54.63	55.44
Ohio.....	16	63	11.0	112.8	98.4	87.2	58.43	50.96
Pennsylvania.....	12	127	12.6	112.9	112.5	99.6	67.29	67.12
Washington.....	2	6	13.0	103.5	111.6	107.8	56.79	63.37
Wisconsin.....	15	91	12.3	111.8	110.8	99.1	56.46	55.98
Other States.....	5	15	10.7	100.7	91.2	90.6	46.93	42.52
Total.....	76	423	12.1	111.6	108.0	96.8	59.00	57.11

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued**MACHINE SHOPS—Continued**

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Packers and craters, female								
One week:								
All States.....	9	66	5.7	49.7	45.1	90.7	\$17.64	\$15.99
Two weeks or half month:								
All States.....	1	2	10.5	100.0	92.6	92.6	31.40	29.08

Planer hands and operators, male

One week:								
Alabama.....	4	9	5.0	54.0	44.8	83.0	\$37.80	\$31.40
California.....	6	13	5.7	44.8	45.9	102.5	38.57	39.53
Connecticut.....	14	146	5.8	50.6	51.6	102.0	34.46	35.16
Illinois.....	20	137	5.7	48.7	49.7	102.1	40.81	41.63
Indiana.....	10	34	5.7	51.8	50.2	96.9	30.72	29.77
Kentucky.....	4	7	6.0	49.9	49.6	99.4	33.08	32.87
Maine.....	3	12	5.0	49.5	42.5	85.9	29.01	24.92
Maryland.....	2	12	5.1	48.0	39.8	82.9	36.53	30.26
Massachusetts.....	32	210	5.6	49.0	46.9	95.7	32.49	31.08
Michigan.....	12	77	5.8	51.5	51.1	99.2	33.17	32.88
Missouri.....	5	18	5.1	49.1	42.7	87.0	33.98	29.59
New Hampshire.....	6	16	5.1	50.9	42.1	82.7	31.05	25.70
New Jersey.....	19	81	5.6	48.7	46.6	95.7	37.52	36.34
New York.....	20	181	5.6	48.6	46.9	96.5	34.94	33.71
Ohio.....	36	222	5.6	49.3	46.9	95.1	32.34	30.77
Pennsylvania.....	18	87	5.6	51.5	49.6	96.3	35.43	34.16
Rhode Island.....	8	33	5.6	50.4	47.7	94.6	32.26	30.50
Texas.....	3	6	5.8	50.9	54.0	106.1	31.10	33.02
Other States.....	4	13	5.8	51.6	49.1	95.2	37.41	35.47
Total.....	226	1,314	5.6	49.6	48.0	96.8	34.62	33.53
Two weeks or half month:								
California.....	6	14	12.7	102.9	107.1	104.1	84.07	87.53
Colorado.....	2	8	12.3	104.8	104.7	99.9	76.50	76.38
Illinois.....	7	11	11.3	108.6	100.8	92.8	82.10	76.17
Indiana.....	2	11	12.6	114.8	124.0	108.0	75.41	81.43
Iowa.....	2	4	13.5	116.0	125.4	108.1	68.21	73.78
Michigan.....	6	33	10.4	112.3	94.5	84.1	66.14	55.71
Minnesota.....	5	12	11.5	108.5	98.6	90.9	70.96	64.54
Missouri.....	2	3	12.0	116.0	122.4	105.5	59.51	62.79
Ohio.....	27	199	11.7	113.1	108.1	95.6	80.87	77.29
Oregon.....	2	2	7.0	104.0	56.3	54.1	78.73	42.59
Pennsylvania.....	21	103	11.4	111.3	106.4	95.6	91.04	87.10
Washington.....	3	10	10.7	103.4	86.5	83.7	76.83	64.25
Wisconsin.....	13	111	11.8	111.6	107.7	96.5	76.56	73.87
Other States.....	3	3	12.0	104.3	99.5	95.4	64.46	61.52
Total.....	101	524	11.6	111.6	120.7	108.2	70.87	76.58

Screw-machine hands and operators, male

One week:								
Connecticut.....	10	38	5.8	50.3	48.5	96.4	\$31.29	\$30.17
Illinois.....	12	118	5.7	48.1	47.5	98.8	35.16	34.76
Indiana.....	9	54	5.9	53.9	54.0	100.2	31.10	31.14
Kentucky.....	4	5	5.6	50.4	45.1	91.5	25.00	22.53
Massachusetts.....	27	176	5.6	49.0	49.2	100.4	31.36	31.62
Michigan.....	12	53	5.7	51.2	50.6	98.8	35.02	34.57
Missouri.....	6	13	5.9	53.8	53.1	98.7	25.61	25.27
New Hampshire.....	2	17	5.7	49.4	50.3	101.8	27.91	28.40
New Jersey.....	6	12	5.8	49.2	47.5	96.5	33.75	32.56

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Screw-machine hands and operators, male—Continued								
One week—Continued.								
New York.....	14	212	5.4	48.0	46.7	97.3	\$31.97	\$31.10
Ohio.....	31	125	5.8	49.6	48.2	97.2	31.35	30.43
Pennsylvania.....	16	105	5.6	50.2	48.0	95.6	27.11	25.89
Rhode Island.....	10	94	5.8	50.7	48.9	96.4	30.47	29.44
Other States.....	7	42	4.9	50.5	43.4	85.9	31.66	27.21
Total.....	166	1,064	5.6	49.6	48.3	97.4	31.50	30.69
Two weeks or half month:								
California.....	4	19	12.4	106.0	103.5	97.6	77.70	75.84
Colorado.....	2	2	12.5	104.8	104.8	100.0	59.84	59.84
Illinois.....	4	10	12.9	111.8	115.1	103.0	75.24	77.43
Michigan.....	4	21	9.3	111.2	84.9	76.3	70.83	54.12
Minnesota.....	2	11	12.5	107.8	114.9	106.6	77.08	82.17
Ohio.....	13	144	11.3	106.9	100.3	93.8	68.63	64.44
Pennsylvania.....	5	107	13.3	113.1	112.8	99.7	85.96	85.67
Wisconsin.....	12	93	12.1	113.2	106.1	93.7	66.56	62.39
Other States.....	3	11	12.5	116.7	115.7	99.1	61.85	61.29
Total.....	49	418	12.0	110.4	105.3	95.4	73.42	70.09
Other machine hands and operators, male								
One week:								
Alabama.....	3	5	5.8	53.1	51.9	97.7	\$32.44	\$31.70
California.....	3	6	6.0	46.0	48.6	105.7	32.15	33.94
Connecticut.....	17	177	5.6	50.2	50.7	101.0	30.82	31.17
Georgia.....	5	22	5.7	55.1	50.7	92.0	21.21	19.52
Illinois.....	23	500	5.7	49.9	49.7	99.6	33.73	33.61
Indiana.....	11	178	5.6	54.1	53.0	98.0	30.35	29.73
Iowa.....	3	26	5.7	52.8	51.8	98.1	27.35	26.85
Kansas.....	4	9	5.7	55.7	53.5	96.1	26.12	25.07
Kentucky.....	5	12	5.7	49.3	45.8	92.9	23.81	22.13
Louisiana.....	2	5	5.6	54.4	49.6	91.1	32.64	29.76
Maine.....	3	37	5.0	47.1	42.3	89.8	25.20	22.61
Maryland.....	6	32	5.9	53.7	51.4	95.7	31.47	30.15
Massachusetts.....	32	334	5.5	49.6	47.8	96.4	30.55	29.43
Michigan.....	19	457	5.4	50.1	46.4	92.6	36.67	33.95
Missouri.....	10	65	5.7	53.2	50.9	95.7	25.38	24.26
New Hampshire.....	5	30	6.0	48.5	49.3	101.6	30.26	30.72
New Jersey.....	19	133	5.6	49.4	47.8	96.8	30.08	29.13
New York.....	19	329	5.6	48.3	46.6	96.5	30.57	29.50
Ohio.....	40	237	5.7	49.0	46.4	94.7	31.56	29.89
Oregon.....	2	2	6.0	47.3	49.0	103.6	27.06	27.51
Pennsylvania.....	20	173	5.6	52.1	39.3	75.4	37.46	28.25
Rhode Island.....	11	206	5.8	50.7	49.0	96.6	29.20	28.22
Tennessee.....	3	6	5.7	47.3	44.4	93.9	25.54	24.00
Texas.....	7	67	5.3	51.7	48.1	93.0	24.09	22.40
Other States.....	2	18	6.2	50.5	57.0	112.9	34.44	38.87
Total.....	274	3,116	5.6	50.2	47.9	95.4	31.83	30.39
Two weeks or half month:								
California.....	5	28	11.0	103.9	93.2	89.7	75.54	67.77
Colorado.....	2	3	12.3	104.8	104.8	100.0	64.56	64.62
Illinois.....	6	48	12.7	110.2	113.0	102.5	65.02	66.95
Indiana.....	2	18	12.8	114.6	121.9	106.4	61.08	65.04
Iowa.....	2	9	11.0	120.4	103.7	86.1	51.65	44.47
Michigan.....	7	146	10.6	105.5	94.3	89.4	61.82	55.27
Minnesota.....	6	38	12.2	120.1	112.4	93.5	68.58	64.19
Ohio.....	26	274	11.8	109.6	103.3	94.3	66.86	62.98
Oregon.....	2	4	12.3	98.0	96.6	98.6	62.52	61.59

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Other machine hands and operators, male—Continued								
Two weeks or half month—Con.								
Pennsylvania.....	19	143	12.4	113.5	111.0	97.8	\$78.20	\$76.43
Washington.....	2	8	11.0	102.7	87.1	84.8	69.63	59.08
Wisconsin.....	15	215	12.0	111.7	110.2	98.7	69.81	68.93
Other States.....	3	16	12.0	108.1	103.8	96.0	54.37	52.25
Total.....	97	960	11.8	110.1	105.4	95.7	68.15	65.21

Other machine hands and operators, female

One week:								
All States.....	14	192	5.7	48.7	46.8	98.1	\$21.38	\$20.51
Two weeks or half month:								
All States.....	2	9	11.1	100.0	94.2	94.2	47.30	44.51

Toolmakers, male

One week:								
Alabama.....	2	2	6.0	52.5	52.5	100.0	\$40.69	\$40.69
California.....	6	19	5.7	44.0	42.3	96.1	33.50	36.98
Connecticut.....	16	107	5.8	51.0	50.1	98.2	35.80	35.16
Georgia.....	5	6	6.3	52.9	57.0	107.8	37.19	40.03
Illinois.....	21	182	5.8	50.7	50.1	98.8	39.65	39.18
Indiana.....	12	105	5.7	52.6	50.2	95.4	36.03	34.41
Iowa.....	2	18	5.9	53.8	53.1	98.7	35.35	34.86
Kentucky.....	4	6	5.8	47.7	50.2	105.2	34.96	36.77
Maine.....	4	14	5.3	49.6	44.2	89.1	30.75	27.40
Maryland.....	4	37	5.7	48.1	45.5	94.6	33.96	32.14
Massachusetts.....	34	236	5.8	49.3	48.7	98.8	34.76	34.35
Michigan.....	18	150	5.5	50.6	46.9	92.7	39.06	36.19
Missouri.....	8	30	5.8	52.4	51.1	97.5	36.00	35.12
New Hampshire.....	4	29	5.9	48.8	47.5	97.3	36.50	35.63
New Jersey.....	17	98	5.7	49.0	46.4	94.7	38.96	36.91
New York.....	21	397	5.6	48.1	46.6	96.9	37.57	36.38
Ohio.....	39	306	5.8	49.7	48.6	97.8	33.60	32.81
Pennsylvania.....	19	119	5.5	50.6	47.3	94.6	34.30	32.44
Rhode Island.....	10	124	5.9	50.5	49.2	97.4	34.69	33.80
Texas.....	4	10	5.9	51.5	50.6	98.3	37.54	36.88
Other States.....	6	23	5.6	50.4	48.5	96.2	34.93	33.61
Total.....	256	2,018	5.7	49.8	48.2	96.8	36.30	35.12
Two weeks or half month:								
California.....	3	17	12.5	106.5	105.0	98.6	92.76	91.42
Colorado.....	2	3	12.7	104.8	110.5	105.4	76.92	81.08
Illinois.....	5	16	12.8	111.4	109.4	98.2	84.22	82.67
Indiana.....	2	19	12.8	114.5	113.6	99.2	72.82	72.25
Iowa.....	2	9	12.6	119.1	117.3	98.5	69.44	68.40
Michigan.....	10	43	11.7	110.5	102.8	93.0	76.58	71.25
Minnesota.....	4	21	12.4	108.7	105.5	97.1	74.13	71.95
Missouri.....	2	2	12.0	114.0	110.9	97.3	76.95	74.81
Ohio.....	22	133	12.1	109.7	105.1	95.8	79.42	76.09
Pennsylvania.....	16	124	12.3	112.3	103.1	91.8	86.53	79.50
Washington.....	2	4	12.5	103.3	97.0	93.9	83.88	78.73
Wisconsin.....	15	152	12.2	111.7	107.4	96.2	76.74	73.80
Other States.....	5	12	11.8	101.7	101.6	99.9	77.80	77.70
Total.....	90	555	12.2	111.1	105.6	95.0	80.10	76.17

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
MACHINE SHOPS—Continued								
Other skilled employees, male								
One week:								
Alabama.....	5	26	5.9	54.5	54.0	99.1	\$35.97	\$35.65
California.....	8	76	5.6	43.6	43.4	99.5	38.06	37.90
Connecticut.....	18	273	5.7	50.9	51.1	100.4	31.81	31.97
Georgia.....	5	17	5.9	53.3	54.2	101.7	31.45	31.97
Illinois.....	25	905	5.9	49.8	50.3	101.0	35.41	35.74
Indiana.....	12	331	5.6	52.8	51.7	97.9	29.62	28.99
Iowa.....	5	60	6.0	53.9	50.7	94.1	32.61	30.67
Kansas.....	5	17	5.9	54.2	51.8	95.6	32.95	31.48
Kentucky.....	9	23	5.8	49.2	47.3	96.1	28.44	27.33
Louisiana.....	5	13	6.2	49.8	51.6	103.6	36.20	37.50
Maine.....	4	66	5.0	50.3	42.9	85.3	30.93	26.40
Maryland.....	8	77	5.6	48.2	45.4	94.2	33.50	31.59
Massachusetts.....	38	725	5.5	49.2	47.8	97.2	32.67	31.76
Michigan.....	21	428	5.7	51.1	50.0	97.8	34.54	33.76
Missouri.....	13	124	5.7	51.7	50.3	97.3	30.04	29.20
New Hampshire.....	6	123	5.4	50.0	47.2	94.4	32.65	30.86
New Jersey.....	29	334	5.9	49.8	52.0	104.4	34.06	35.54
New York.....	21	1,157	5.7	48.7	50.3	103.3	30.24	31.22
Ohio.....	43	915	5.8	49.5	48.0	97.0	31.23	30.28
Oregon.....	4	11	5.7	47.9	44.1	92.1	35.64	32.85
Pennsylvania.....	21	778	5.7	51.4	50.5	98.2	30.84	30.29
Rhode Island.....	12	438	5.8	49.9	49.3	98.8	32.09	31.68
Tennessee.....	6	24	5.8	49.6	48.1	97.0	33.98	32.95
Texas.....	13	65	5.7	52.3	52.2	99.8	34.67	34.64
Washington.....	2	21	5.3	47.0	41.3	87.9	36.90	32.47
Other States.....	1	13	5.5	54.0	56.9	105.4	35.53	37.40
Total.....	339	7,040	5.7	50.0	49.6	99.2	32.25	32.00
Two weeks or half month:								
California.....	6	66	12.3	104.1	102.5	98.5	81.82	80.61
Colorado.....	2	11	12.9	111.5	111.6	100.1	68.91	68.97
Illinois.....	7	160	12.5	112.2	114.4	102.0	78.99	80.52
Indiana.....	2	54	12.4	114.6	113.2	98.8	64.41	63.65
Iowa.....	2	58	12.7	120.1	122.3	101.8	59.93	61.02
Kansas.....	2	4	12.5	112.5	117.1	104.1	84.71	88.20
Michigan.....	11	223	9.9	105.5	95.4	90.4	58.59	53.26
Minnesota.....	6	107	12.0	109.3	105.7	96.7	66.56	64.37
Missouri.....	2	4	12.3	111.0	115.0	103.6	65.27	67.63
Ohio.....	29	768	11.8	110.5	104.8	94.8	73.37	69.61
Oregon.....	3	19	10.3	96.8	82.9	85.6	66.89	57.34
Pennsylvania.....	25	545	12.7	113.9	114.2	100.3	79.27	79.50
Washington.....	4	13	12.8	103.7	105.5	101.7	65.54	66.71
Wisconsin.....	15	475	12.2	112.8	112.4	99.6	70.05	69.82
Other States.....	3	55	11.0	103.0	99.3	96.4	67.26	64.84
Total.....	119	2,562	12.0	111.1	108.3	97.6	72.44	70.57
Other skilled employees, female								
One week:								
All States.....	12	211	5.8	48.9	47.2	96.5	\$18.14	\$17.53
Two weeks or half month:								
All States.....	1	4	10.5	100.0	91.3	91.3	44.60	40.66

TABLE B.—AVERAGE NUMBER OF DAYS ON WHICH EMPLOYEES WORKED, AVERAGE FULL-TIME AND ACTUAL HOURS AND EARNINGS, AND PER CENT OF FULL TIME ACTUALLY WORKED, 1925, BY OCCUPATION, SEX, PAY PERIOD, AND STATE—Continued

MACHINE SHOPS—Continued

Pay period and State	Number of—		Average number of days on which employees worked in pay period	Average full-time hours per pay period	Average hours actually worked in pay period	Per cent of full time worked	Average full-time earnings per pay period	Average actual earnings in pay period
	Estab-lish-ments	Em-ploy-ees						
Other employees, male								
One week:								
Alabama.....	8	33	5.8	61.8	58.8	95.1	\$21.75	\$20.67
California.....	10	80	5.8	47.6	46.7	93.1	22.94	22.49
Connecticut.....	18	445	5.7	52.5	52.1	99.2	24.78	24.57
Georgia.....	11	92	5.8	56.7	52.6	92.8	21.55	19.96
Illinois.....	28	547	5.9	49.5	49.1	99.2	30.69	30.45
Indiana.....	13	130	5.8	56.8	54.8	96.5	25.79	24.88
Iowa.....	5	43	5.3	57.7	49.9	86.5	21.46	18.57
Kansas.....	7	15	6.2	65.0	63.2	97.2	20.61	20.02
Kentucky.....	10	100	5.6	52.7	49.4	83.7	18.60	17.42
Louisiana.....	6	49	6.0	53.2	53.7	100.9	19.15	19.33
Maine.....	4	87	5.6	51.6	49.1	95.2	24.15	22.99
Maryland.....	9	115	5.9	49.0	49.6	101.2	23.62	23.91
Massachusetts.....	38	797	5.7	51.2	50.5	98.6	29.70	29.28
Michigan.....	22	287	5.9	54.0	53.7	99.4	33.97	33.75
Missouri.....	15	113	6.0	55.9	54.7	97.9	22.47	21.98
New Hampshire.....	8	141	5.6	51.9	48.8	94.0	27.46	25.81
New Jersey.....	30	361	5.9	52.4	51.9	99.0	24.68	24.47
New York.....	21	875	5.7	51.2	50.4	98.4	26.57	26.18
Ohio.....	44	923	5.8	51.4	50.2	97.7	26.78	26.15
Oregon.....	4	13	6.1	55.2	53.0	96.0	22.85	21.93
Pennsylvania.....	21	990	5.6	53.2	51.8	97.4	27.45	26.70
Rhode Island.....	12	472	5.8	54.0	52.2	96.7	23.81	23.01
Tennessee.....	7	69	5.8	52.1	49.5	95.0	18.96	18.01
Texas.....	14	101	5.7	51.9	50.8	97.9	21.33	20.87
Washington.....	3	35	6.8	50.5	50.0	99.0	24.59	24.33
Other States.....	1	8	6.5	52.5	49.6	94.5	28.09	26.52
Total.....	369	6,921	5.8	52.2	51.1	97.9	26.67	26.11
Two weeks or half month:								
California.....	6	66	12.2	111.8	108.8	97.3	66.52	64.75
Colorado.....	2	29	13.0	113.1	116.7	103.2	50.56	52.11
Illinois.....	8	176	12.5	111.2	113.7	102.2	66.72	68.22
Indiana.....	2	29	12.9	118.6	116.3	98.1	45.73	44.62
Iowa.....	2	19	13.4	132.9	130.1	97.9	53.29	52.17
Kansas.....	4	19	11.4	112.1	103.6	92.4	49.66	45.88
Michigan.....	11	146	12.1	115.3	115.1	99.8	67.10	60.97
Minnesota.....	6	73	12.4	114.8	110.4	96.2	60.27	57.98
Missouri.....	3	23	11.2	116.4	110.4	94.8	46.09	43.75
Ohio.....	32	873	12.0	116.3	109.6	94.2	59.08	55.66
Oregon.....	4	29	10.3	99.4	82.1	82.6	51.19	42.26
Pennsylvania.....	26	811	12.9	117.5	116.9	99.5	67.21	66.96
Washington.....	5	44	12.1	107.1	99.5	92.9	49.48	46.96
Wisconsin.....	15	400	11.8	114.7	106.1	92.5	47.14	43.58
Other States.....	3	57	11.1	112.2	101.6	90.6	52.51	47.52
Total.....	129	2,794	12.3	115.6	111.4	96.4	60.23	58.05
Other employees, female								
One week:								
All States.....	20	129	5.8	49.5	47.9	96.8	\$17.18	\$16.63
Two weeks or half month:								
All States.....	3	14	13.4	106.5	116.4	109.3	42.71	46.61

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE

FOUNDRIES

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																				
	Estab-lish-ments	Em-ploy-ees		Under 20	20 and under 25	25 and under 30	30 and under 35	35 and under 40	40 and under 45	45 and under 50	50 and under 55	55 and under 60	60 and under 65	65 and under 70	70 and under 75	75 and under 80	80 and under 85	85 and under 90	90 and under 95	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2
				cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents	cents
Chippers and rough grinders, male:																								
Alabama.....	4	32	\$0.303			10	16	6																
California.....	12	78	.557							3	34	19	15	5	1	1								
Colorado.....	3	32	.475						12	9	5	2	4											
Connecticut.....	16	131	.497						34	30	37	19	11											
Georgia.....	7	50	.231	11	25	5	5	4																
Illinois.....	30	338	.595						20	34	56	75	62	26	22	16	12	7	1	1				
Indiana.....	13	128	.518					10	19	42	25	8	6	2	2	3	3	3	2					
Iowa.....	12	142	.440					33	63	24	12	1	2	2	3	1								
Kansas.....	8	34	.406				7	6	10	4	2	5												
Kentucky.....	7	15	.405				1	4	7	2	1													
Louisiana.....	4	36	.384		2	2	1	20	2	1	8													
Maine.....	4	57	.469						14	34	7		1	1										
Maryland.....	7	39	.416				5	14	6	6	6													
Massachusetts.....	21	373	.555					6	51	70	134	42	18	10	9	12	5	2	6	2	6			
Michigan.....	34	404	.591		1		11	15	48	55	72	44	29	29	27	28	8	8	8	5	4			
Minnesota.....	6	68	.476					24	11	10	7	3	6	4	3									
Missouri.....	15	71	.464				2	12	10	28	2	11	5	1										
New Hampshire.....	7	28	.477					2	6	3	9	1	1											
New Jersey.....	18	194	.526					1	10	33	39	57	12	20	13	3	5							
New York.....	22	324	.552			1	3	3	18	41	85	79	52	14	18	9								
Ohio.....	45	498	.484				2	27	158	114	110	48	21	1	5	1	6	5						
Oregon.....	6	21	.557								5	14	2	2										
Pennsylvania.....	39	529	.543				6	23	95	90	100	57	64	27	23	13	13	9	3	4	2			
Rhode Island.....	8	159	.534					4	18	55	34	8	13	8	6	3	8	1						
Tennessee.....	6	61	.299			31	21	6	3															
Texas.....	8	37	.353			4	16	4	11	1														
Washington.....	7	49	.613								12	8	8	17	5		2							
Wisconsin.....	14	182	.537					27	28	44	30	8	9	18	5	3	3	8	2		2			
Total.....	383	4,110	.521	11	28	53	96	257	654	739	830	514	341	180	131	94	84	43	24	17	14			

Core makers, male:

Alabama	5	21	589						5	1	2	2	1	6	2	2	6	18	3	4	1		
California	13	73	838											2	6	30	13	6					
Colorado	4	28	739								1			3	5	5	6						
Connecticut	16	103	750						2	3	3	9		6	23	18	17	3	1	1			
Georgia	8	22	490		7	1			4	1	1			2	9	3							
Illinois	30	238	796						5	6	10	9	12	26	15	40	19	12	26	38			
Indiana	13	145	681							6	12	19	24	20	17	21	10	4	4	3			
Iowa	13	92	669						2	6	8	17	4	15	6	21	8	6					
Kansas	5	10	611					1	1	1	1	1	1	2	1	1							
Kentucky	8	9	645					1		1	1	1	1	2	1	2							
Louisiana	4	13	671		2									2	1	1							
Maine	4	12	624						1	1	1	2	3	3	6	1							
Maryland	7	38	659						4	4	5	3	8	12	6	2	6	1					
Massachusetts	21	155	720					1	1	2	2	8		6	8	7	83	1	4	2			
Michigan	39	345	747		1			6	8	14	20	22	30	17	41	43	33	33	8	26	3		
Minnesota	6	58	663						1	1	3	4	4	7	6	4	4	1	1				
Missouri	14	63	689			1	4	2	5	4	4	6	5	6	6	1	1	21	2	1			
New Hampshire	7	12	739							1	1	1	2	2	4	1	1	1					
New Jersey	17	99	820						1	2	1	10	6	11	6	9	15	21	6	11			
New York	23	221	753					3	1	7	10	18	30	31	20	19	23	14	6	1	36		2
Ohio	45	406	744		1			3	14	15	18	21	35	32	39	41	37	83	44	10	14	1	
Oregon	7	12	765							1	1	1	3	3	2	2	4	1					
Pennsylvania	39	584	757					4	14	17	45	40	50	59	52	40	59	35	54	48	64	3	
Rhode Island	8	73	625						1	13	18	17	4	7	10	3							
Tennessee	7	22	671							2	2	2	2	6	2	3	1	6					
Texas	9	23	542						2	4	1	1	6	2	1	6							
Washington	7	27	785			1	4						2	2	11	7	3	1	1				
Wisconsin	14	161	695					1	3	12	10	19	22	20	13	26	15	12	2	5	1		
Total	393	3,067	734	3	2	12	25	68	109	179	218	303	294	272	339	318	281	310	119	203	10	2	

Core makers, female:

Illinois	3	62	496					16	9	13	8	4	5	3	2	1	1							
Kentucky	2	3	382							1														
Michigan	13	105	404		1	12	8	15	13	18	20	9	6	1		1								
New Jersey	3	31	385				11	3	7	3	1	2	1	2										
New York	7	62	536				1	3	3	9	9	18	6	4	2	2				1	2			
Ohio	3	8	454					1	1	3	2													
Pennsylvania	2	19	344					9	6	4														
Rhode Island	3	14	431				1	2	3	3	2	3												
Wisconsin	3	26	536					2	3	4	2	3	3	6	1		1	1						
Other States	4	23	351		4	5		2	4		5	1	2											
Total	43	353	444	5	17	21	37	58	53	53	46	23	17	8	4	3	5				1	2		

Laborers, male:

Alabama	5	54	274		11	29	12		2															
California	11	131	496					1	14	28	68	13	5	1	1									
Colorado	4	73	425			1	4	19	33	3	7	2	3		1									
Connecticut	16	403	482				6	4	110	122	108	27	12	7	1	8	2				1			

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																					
	Es-tab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2	
Laborers, male—Continued.																									
Georgia.....	10	127	\$0.258	2	41	61	20	2						1											
Illinois.....	30	959	.543		2	1	12	41	121	182	203	154	129	35	30	12	14								
Indiana.....	13	443	.449			3	4	64	175	84	76	17	7	5	2	2	4	9	11	3					
Iowa.....	13	349	.437		1	1	13	95	131	41	22	20		7	6	2	1			4					
Kansas.....	8	43	.357				23	5	15																
Kentucky.....	6	38	.401				2	22	11		1					2									
Louisiana.....	5	63	.334	2	11	13	3	8	4	21	1														
Maine.....	3	33	.462					1	3	17	6	1													
Maryland.....	7	94	.385			2	16	35	28	6	6	1													
Massachusetts.....	21	687	.502			2	1	28	116	234	169	47	23	6	3	4	3	41	3	5	2				
Michigan.....	37	1,475	.522			13	12	20	364	263	394	168	68	38	32	15	28	20	9	8	19	3	1		
Minnesota.....	5	187	.457				10	29	39	42	18	10	5	1	1	1									
Missouri.....	14	190	.413			1	60	50	24	16	13	21	4	1											
New Hampshire.....	7	67	.492				2	10	22	24	5	3		1											
New Jersey.....	19	659	.464	1	2	18	99	114	200	122	78	15	5	1	1				2	1					
New York.....	23	975	.500				34	35	85	303	239	172	40	46	17	2			1		1				
Ohio.....	45	1,489	.465			1	10	168	570	316	237	87	30	14	12	6	21	9	3	2	3				
Oregon.....	7	51	.507						1	12	37														
Pennsylvania.....	41	1,416	.476			6	59	72	487	363	198	103	49	34	15	12	7		1	3	2	5			
Rhode Island.....	8	262	.484					7	42	98	83	12	7	2		1									
Tennessee.....	5	81	.294				35	41	4	1															
Texas.....	6	51	.329				14	22	6	6		3													
Washington.....	6	72	.584							4	30	26	11			1									
Wisconsin.....	14	499	.510				6	26	128	139	75	41	35	20	8	9	5	4	1	2					
Total.....	389	10,931	.481	4	67	185	338	843	2,639	2,519	2,137	1,005	452	223	131	71	88	79	34	28	28	9	1		
Molders, hand, bench, male:																									
California.....	11	36	.883													2	12	5	13	1	3				
Connecticut.....	15	103	.708							3	4	13		16	16	12	7	18	2	9	2	1			
Georgia.....	7	43	.544		2			2	4	5	11	5		2	8	1	3								
Illinois.....	24	132	.791					1				1	11	17	12	14	13	10	11	1	6	35			
Indiana.....	12	77	.732								6	5	12	11	10			4	10	3	4				

Iowa	10	65	690						1	1	2	5	18	7	6	3	7	6	3			5	1						
Kansas	5	12	566						1		1	4	7		3	1	1												
Kentucky	5	11	695									1		2			6												
Louisiana	3	9	325			2	2	3	1									1											
Maine	4	23	679									8	1	3	4	3	7												
Maryland	7	32	761								1	3	2	7	4	1	3	5	1			1		1	3				
Massachusetts	20	216	999										3	3	11	10	9	12	8	6	74	9	34	26	9	14			
Michigan	33	371	804					1	2		11	18	22	19	22	39	53	24	40	48	13	40	19						
Minnesota	6	32	741								2	2	4	3	5	5	3	1			2	3	2	1					
Missouri	12	52	730					1			2	2	6	6	7	10	7				1	13	3						
New Hampshire	7	59	711				1				1	2	5	9	5	9	7	11	9			16							
New Jersey	16	92	860									1	1	1	3	5	6	11	16		41	2	5						
New York	19	199	713			1	2	1	3	7	12	13	12	20	28	27	21	17	6	6	4	17	3						
Ohio	38	212	754			1				1	3	11	10	29	23	29	20	12	41	29	5	6	1						
Oregon	6	12	829													3		5			1								
Pennsylvania	27	244	750						2	5	9	23	40	29	24	24	20	21	2	6	5	47	13						
Rhode Island	8	95	877									2	4	5	15	8	2	11	7	5	3	21	7	2					
Tennessee	5	39	502	1	3	7	5	2	3	4	2	3	3	2			1				7								
Texas	6	13	623						1	1	1	3	2			2	3												
Washington	4	5	788												1		3	1											
Wisconsin	13	176	694						1	3	11	27	30		34	19	16	15	11		4	4	1						
Other States	2	3	417						2	1																			
Total	325	2,363	768	1	9	12	9	13	24	57	112	179	245	246	225	225	195	187	257	111	185	56	11	14					
Molders, hand, floor, male:																													
Alabama	5	48	688						1	1	1	1	9	7	10	16	2												
California	13	166	873									1	1	1	9	23	45	20	36	8	24								
Colorado	4	59	809									1	1	1	3	16	21	8	7	1									
Connecticut	16	302	770							7	9	23	37	38	43	73	25	37	7	3									
Georgia	11	79	651					3	2	1	14	7	28	10	12	1					1								
Illinois	30	384	857							8	5	19	42	24	17	52	28	32	50	110	1								
Indiana	13	212	766							2	6	19	43	28	27	27	35	4	3	17	1								
Iowa	13	181	761							9	26	23	12	8	44	29	2	1	3	17	7								
Kansas	9	70	658					1		4	7	10	26	8	14														
Kentucky	9	48	719					2		1	1	1	5	3	12	12	1	11											
Louisiana	5	48	711					1		6	2	2	1	5															
Maine	4	54	719							1	8		18	8	3	2	3	1	1		4	4		1					
Maryland	7	103	763								8	5	12	14	7	8	22	4	16	2									
Massachusetts	21	373	975			1				1	6	19	8	15	17	8	185	20	28	31	16								
Michigan	34	391	781			1	1	1	2	15	21	36	16	41	79	33	57	46	14	22	5	1							
Minnesota	6	77	708							5	11	32	14	6			3	2	1	3									
Missouri	15	172	745			1	2	5	10	21	19	18	13	24	8	1	39	8	3										
New Hampshire	7	33	771								1	4	10	10	4	2													
New Jersey	18	262	860					1		5	2	8	11	15	27	25	38	56	37	36									
New York	23	339	843								3	17	21	64	42	49	31	30	16	68	8								
Ohio	45	381	800			1	14	20	29	37	70	61	64	44	106	178	168	36	53	6	2								
Oregon	8	38	845												2	25	9	1											
Pennsylvania	41	792	808			1	1	12	18	74	75	122	112	86	35	103	90	57	2	2									
Rhode Island	8	114	817							2	6	8	22	15	10	8	7												
Tennessee	7	83	685					3	2	2	4	9	10	5	17	6	1	24											

* Including 1 at \$2 and under \$2.25.

* At \$2 and under \$2.25.

GENERAL TABLES

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																				
	Estab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2
Molders, hand, floor, male—Cont.																								
Texas	9	33	\$0.635				1	2	7	4	2	8	17	8	10	19	4	1						
Washington	7	75	.808									1	2	3	3	21	28	10	3	2	2			
Wisconsin	13	145	.740					1			1	8	15	33	33	16	16	7	5	3	6	1		
Total	401	5,612	.802			1	2	10	35	46	119	217	442	554	579	667	714	545	779	309	492	70	23	18
Molders, machine, male:																								
Alabama	4	11	.755								1				1	1	5	2	1					
Colorado	2	7	.610								3			2		1	1							
Connecticut	8	101	.681					2	4		11	11	16	20	5	9	11	5	4			3		
Illinois	14	267	.669					1	4	13	11	31	32	50	42	34	22	14	6	6	7			
Indiana	11	231	.747						3	13	30	26	35	18	21	17	38	11	5	14				
Iowa	9	86	.677			2	4	4	3	8	14	4	12	6	10	7	4	2	2	4				
Kansas	2	7	.596							2	1													
Kentucky	3	6	.540					3		1			1											
Louisiana	2	3	.702							1							2							
Maine	2	41	.754							2							2							
Maryland	5	26	.622					3	6	2	8	1			3	2	2	2	8	4				
Massachusetts	16	248	.810		1		3	7	10	11	16	25	11	23	12	18	10	54	10	30		4	3	
Michigan	24	410	.773		1		1	6	13	21	37	40	58	44	53	44	21	53	13	36	13	1		
Minnesota	6	37	.674					1	2	7	6	5	2	1	4	5	1	1		2				
Missouri	4	27	.703							2	3		13	5										
New Hampshire	3	17	.918							2			2	1	1		1	1		7		1		
New Jersey	14	174	.736				1	1	1	16	14	18	25	10	16	25	11	15	3	9				
New York	16	261	.785			1		1	1	6	12	11	26	57	37	38	27	13	9	20	2			
Ohio	24	335	.709				1	9	25	26	30	25	24	18	34	11	27	16	3	3				
Pennsylvania	31	452	.727			2		1	8	11	35	45	64	48	64	39	34	37	19	17	26	2		
Rhode Island	8	131	.759						2	8	12	13	16	14	16	13	13	11	5	7				
Tennessee	2	3	.586							1				2										
Texas	3	21	.537				6	4	1	1		3	2					2		1				
Washington	2	10	.756										1	2	2	4				1				

Wisconsin	12	201	.737			2	1	1	4	7	17	26	25	21	25	18	14	17	6	5	7	5		
Other States	2	27	.487				5	8	2	1	3	2	2		1	1								
Total	229	3,140	.733			7	8	26	56	99	209	285	354	344	375	308	287	246	201	106	193	32	4	
Molders' helpers, floor, male:																								
Alabama	5	71	.294		2	20	43	6																
California	12	89	.537						5	7	38	21	14	4										
Colorado	4	61	.408		1	10	22	16	7	2	2	1												
Connecticut	13	169	.469				8	46	53	54	8													
Georgia	9	119	.221	17	82	13	5	1	1															
Illinois	19	150	.503					20	11	34	42	21	9	10	3									
Indiana	9	74	.451			1	1	21	8	13	25	5												
Iowa	8	40	.447					3	19	9	4	3	2											
Kansas	6	20	.380			1	3	6	8	2														
Kentucky	8	28	.407					8	19			1												
Louisiana	5	54	.389		8	6	4	1	1	25	9													
Maine	2	5	.430					3		1														
Maryland	3	11	.373				4	4		3														
Massachusetts	16	86	.584					5	5	10	27	11	6	8	2	2	2	2	3	2	3			
Michigan	24	275	.484		2	11	9	85	75	27	12	17	19		7	9	1	1						
Minnesota	5	41	.459					28	6	3	2	1												
Missouri	11	81	.481				7	6	14	6	24	23		1										
New Jersey	16	205	.482			2	19	19	83	56	15	6	5											
New York	15	145	.582				1	4	7	53	27	18	13		11	7	2	1	1					
Ohio	29	247	.461				28	89	49	63	11	3	1	1	2									
Oregon	7	21	.568							10	4	6	1											
Pennsylvania	27	390	.510				3	12	108	92	72	29	26	19	10	11	4	3			1			
Rhode Island	4	28	.473							19	9													
Tennessee	7	63	.290		3	33	45	1		1														
Texas	9	98	.335			8	51	30	5	4														
Washington	5	31	.581					2	1	15	1			9	10	7	5							
Wisconsin	7	20	.461							1	1													
Total	285	2,642	.460	17	96	94	189	216	492	521	529	206	116	86	35	31	9	8	3	4				
Pattern makers, male:																								
Alabama	5	20	.738							1	1	1		3	2	2	8	1					1	
California	9	39	.935														2	17	8				12	
Colorado	3	8	.945																				6	
Connecticut	11	81	.797								2	6	8	10	10	11	2	8	12	7	5		2	
Georgia	11	23	.719						1	1	1		2	3	4	4	3	1	2	2			1	
Illinois	26	95	.843					1				2	2	5	10	11	15	22	3	11		8		
Indiana	13	87	.867								5	6	3	3	15	2	7	3	3	3		2	41	
Iowa	8	23	.682								3	4	5	3	1	3	2	1	1			1		
Kansas	8	10	.766								2	2	1	2	1	1	1	1					2	
Kentucky	5	10	.728							1		1	1	1	1	4	1							
Louisiana	5	15	.807								1			1	1	4	3	5	2					
Maine	4	17	.694								1	1	3	4	2	2	3	1						
Maryland	6	14	.738								2	1	3	1			2	1	2			2		
Massachusetts	17	127	.726								5	3	22	17	18	30	24	3	3			2	2	
Michigan	31	185	.812					1		11	2	18	11	13	16	23	20	44	5		15	5	1	

1 Including 1 at \$2 and under \$2.25.

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																				
	Estab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2
				Pattern makers, male—Continued.																				
Minnesota	5	42	\$0.696								2	7	13	7	12	1								
Missouri	10	32	.857							2			2	1	3	5	4	1			13	1		
New Hampshire	5	14	.778									1	2	1	3	5		1			1			
New Jersey	18	115	.853							2	1		9	6	9	4	23	4	27	15	14	1		
New York	21	178	.832								4		11	12	14	19	30	26	27	8	27			
Ohio	37	217	.804							2	3	7	14	23	22	26	21	25	44	24	6			
Oregon	6	11	.908									2	2					1	1	1	6			
Pennsylvania	41	286	.832					1	2	5	6	24	20	35	27	43	26	27	24	43	3			
Rhode Island	8	53	.695							1	2	8	17	12	7	4	2							
Tennessee	6	12	.782										1	2	2	1	2	1	2					
Texas	9	23	.801								1	1	2		6	1	4		5	1	2			
Washington	6	24	.992												1			2	3	1	17			
Wisconsin	12	66	.682								3	5	14	12	13	12	4	3						
Total	346	1,827	.804					3	6	44	53	165	172	202	204	247	181	218	102	219	10	1		

MACHINE SHOPS

Assemblers, male:																								
Alabama	6	26	\$0.482				3	3	6	2	2	3	3	2	1		1							
California	4	21	.667								1	3	7	2	7				1					
Colorado	2	14	.657								2	1	2	7	1							1		
Connecticut	17	524	.637								13	58	87	117	132	54	24	25	8	3		3		
Georgia	3	14	.388										1	2										
Illinois	32	701	.695								1	10	15	34	87	91	69	176	111	61	19	9	7	10
Indiana	9	272	.520		1	2	5	1	4	14	33	44	88	47	25	7	3	4		1	1			
Iowa	5	7	.489					1	11	21	12	13	11	9	1	1	1							
Kentucky	2	8	.478						2	3														
Maine	3	52	.567								1	4	19	14	9	3		2						
Maryland	6	54	.702								3	6	3	21	10	7	1		1		3			

Massachusetts	34	865	.631	1	1	2	10	33	31	109	157	173	146	93	48	29	7	8	5	7	3	1	1	
Michigan	24	527	.596		2	2	23	74	77	95	6	70	61	45	46	16	9	2		7	2			
Minnesota	3	45	.499		1	1	3	9	13	8	5	2	5	2										
Missouri	9	166	.548			1	22	32	18	18	16	3	3	5	18	7	9							
New Hampshire	5	88	.710					2	5	6	2	17	6	5	17	18	7	3	1					
New Jersey	20	516	.748			1	1	3	13	6	35	35	61	42	117	40	20	11	21	5			*1	
New York	18	866	.664			1	5	3	6	65	94	196	239	117	45	24	27	33	7	4				
Ohio	61	1,410	.622			1	8	47	87	190	212	301	260	154	80	33	10	11	8	8	1			
Oregon	3	9	.631							1	2	6												
Pennsylvania	20	463	.626		1	2	3	63	46	82	51	33	24	37	30	28	7	18	10	7				
Rhode Island	5	157	.604					3	19	36	4	25	10	2	2	2	6			2			2	
Washington	3	21	.617							4	2	6	7	1	1									
Wisconsin	11	251	.388			1	1	4	51	72	30			20	12	7	3	3	4	2	1			
Other States	1	1	.540							1														
Total	306	7,151	.634	1	3	11	20	85	298	454	934	1,004	1,193	1,055	704	490	374	184	113	53	69	11	3	*2
Boring-mill hands and operators, male:																								
Alabama	3	9	.686							1		1	3	2		2								
California	10	63	.869							1		1	1	16	12	6	10	4	8	1				
Colorado	2	16	.680									10	5											
Connecticut	16	127	.682			2		1	2	11	15	22	30	16	14	1	7	5		3				
Georgia	6	11	.498							2	1	2	1											
Illinois	33	233	.749					3	1	8	20	27	26	42	32	51	18	10	3	4	1			
Indiana	15	62	.612					1	1	6	18	18	9	6	2	2								
Iowa	3	29	.536					5	8	7	2	3	2	1										
Kentucky	5	7	.593					1	1	1	1	1	2	2										
Louisiana	2	3	.465		1			1						1	1									
Maine	2	9	.563						1	3	1	3	1											
Maryland	3	7	.703							1	1	1	1	1	1	1								
Massachusetts	25	133	.678						1	9	17	21	31	33	7	8	2		1	3				
Michigan	19	131	.587		1		2	6	27	34	12	12	8	10	6	4	3	2		5				
Minnesota	5	27	.640					1		7	2	4	5	3	3	1	1							
Missouri	9	41	.642				1	2	3	4	5	7	3	3	6	7								
New Hampshire	3	10	.584							3	2	3	2											
New Jersey	20	61	.752								10	11	9	6	16	7				2				
New York	20	207	.695					1	1	7	9	21	67	52	27	15	3	4						
Ohio	63	386	.692			1	1	8	20	30	69	63	66	72	32	11	7	4	2					
Oregon	5	13	.721							1		2	6	3										
Pennsylvania	39	345	.685				4	9	17	27	45	62	66	37	30	20	15	6	6	1				
Rhode Island	5	31	.606					4	4	7	6	4	4	1	1									
Tennessee	4	10	.619					1	1	1	2	2	3											
Texas	5	9	.559			2	1	1	1	1	1	1	1		2									
Washington	4	19	.824											4	10	2	3							
Wisconsin	14	135	.727				1		6	11	16	26	27	19	14	9	4	1	1					
Other States	1	1	.493						1															
Total	341	2,135	.688	1	1	2	6	29	68	152	174	296	373	357	256	207	97	61	19	34	3			

* At \$2.50 and over.

* Including 1 at \$2.50 and over.

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued
MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																				
	Estab-lish-ments	Em-ploy-ees		Un-der 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2
Drill-press hands and operators, male:																								
Alabama.....	6	25	\$0.405		1	3	6	2	5		4			2										
California.....	13	75	.609					1	2		16		15	11	7	3	3							
Colorado.....	2	20	.556						2		6		2	2										
Connecticut.....	18	159	.577				2	1	12		13		27	34	10	11	8	3	1	1				
Georgia.....	6	17	.357			5	2	7	1				1	1										
Illinois.....	34	611	.651				1	8	20		40		59	67	82	140	50	27	22	3	4	3		
Indiana.....	14	235	.517				2	2	37		56		58	35	26	6	1							
Iowa.....	4	116	.459				1	21	45		16		10											
Kansas.....	4	11	.380				1	2	1		5		2											
Kentucky.....	8	15	.457				1		9				1	2		1								
Louisiana.....	3	12	.366		4	2					1		5											
Maine.....	3	38	.514					2	12		1		8											
Maryland.....	4	26	.590						4		3		2											
Massachusetts.....	36	466	.614			1	5	4	19		52		74	83	76	53	37	21	21	8	3	1	7	1
Michigan.....	26	274	.578	1			2	5	30		40		68	16	26	22	29	23	9					
Minnesota.....	6	76	.561					3	10		10		15	14	6	11	3	1		1				
Missouri.....	15	84	.480			1	4	10	13		19		15	15	4	1	2							
New Hampshire.....	6	62	.608					1	2		8		12	8		9	8	2	3	1				
New Jersey.....	26	174	.581				12	6	5		24		29	22	23	27	11	3	10					
New York.....	20	448	.626					4	12		21		58	85	105	50	41	40	19	7	3	1	2	
Ohio.....	70	735	.558			1	7	17	52		94		189	137	108	70	35	14	7	2	1		1	
Oregon.....	7	34	.594								7		8			5	1							
Pennsylvania.....	45	743	.588			11	11	53	75		84		87	79	98	59	61	55	37	22	4	6	1	
Rhode Island.....	10	150	.554					1	18		13		37	42	20	9	3	4	3					
Tennessee.....	5	13	.538					1	2		2		2	1	4	1								
Texas.....	10	75	.401	2	1	14	10	12	12		8		6	3	6	4								
Washington.....	6	29	.665					1	4		34		96	66	42	24	10							
Wisconsin.....	16	289	.570																					
Total.....	423	5,012	.579	3	6	39	68	163	408	545	898	762	736	478	405	245	143	67	14	16	14	2		

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																					
	Estab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2	
Grinding-machine hands and operators, male—Continued.																									
Rhode Island.....	9	148	\$0.611						3	21	28	48	36	10	1	1									
Washington.....	3	7	.759										1	2	2	2									
Wisconsin.....	14	87	.620						5	16	23	16	14	9	1										
Other States.....	3	25	.664							3	2	3	3	1	4	2	1	2	1						
Total.....	287	2,016	.637			11	26	58	159	250	294	336	290	212	112	142	60	30	16	18	1	1			
Laborers, male:																									
Alabama.....	6	40	.285		3	14	23																		
California.....	9	75	.548					2	2	11	22	20	18	2											
Colorado.....	2	30	.429					2	22	4	1														
Connecticut.....	17	312	.453					5	37	79	108	54	17	4	3										
Georgia.....	9	58	.221	9	28	17	3		1																
Illinois.....	35	1,149	.505					5	64	299	190	250	199	71	24	13	17	11	4	1	1				
Indiana.....	15	424	.422					13	60	188	81	71	8	2	1										
Iowa.....	5	115	.386			3	11	40	50	9	1	1													
Kansas.....	6	39	.356					12	19	6	2														
Kentucky.....	7	33	.398					4	24	3															
Louisiana.....	5	34	.371		5	3	6	1	11	2	5				1										
Maine.....	4	59	.429					6	32	14	6	1													
Maryland.....	8	79	.443				2	2	32	26	15	2													
Massachusetts.....	38	955	.484			4	10	53	311	233	163	82	60	21	8	4	3				1	1			
Michigan.....	27	557	.467			4	5	42	182	107	141	44	16	2	4	4	5	1							
Minnesota.....	7	124	.434					5	66	39	12	2													
Missouri.....	13	112	.372		2	6	13	39	38	13		1													
New Hampshire.....	8	55	.464				1	3	16	20	9	5	1												
New Jersey.....	28	401	.482			2	1	15	64	116	157	37	7	2											
New York.....	21	1,034	.449				10	64	408	324	168	53	7												
Ohio.....	71	1,518	.448		8	13	38	176	491	444	229	81	26	5	2	4								1	
Oregon.....	3	10	.443					1	2	7															
Pennsylvania.....	47	1,607	.449		10	14	95	223	533	382	169	92	44	24	11	2	4	2						2	
Rhode Island.....	12	354	.434					47	167	124	11	4	1												

Tennessee	6	38	.307			8	27	3																															
Texas	11	80	.389	2		22	12	5	18	17	3			1																									
Washington	3	21	.603								4	14																											
Wisconsin	16	520	.461				7	37	207	149	93	17	8	1	1																								
Total	439	9,833	.456	9	58	115	301	948	3,249	2,429	1,594	669	266	87	39	31	23	8	1	2	4																		
Lathe hands and operators, engine, male:																																							
Alabama	5	32	.662					1	2	2	3	3	4	7	7	3																							
California	12	218	.807								1	2	6	19	35	51	52	16	16	7	15	1																	
Colorado	2	22	.658								1	2	2	11	6																								
Connecticut	18	247	.644			2	1	2	7	32	40	58	37	30	15	9	7	1	4	2																			
Georgia	5	23	.496			1	2	8	2	3		4	3																										
Illinois	36	633	.720	1		1	2	3	17	42	49	83	87	93	68	96	31	15	30	13	3																		
Indiana	15	155	.628				1	1	7	31	31	24	23	15	10	3	7																						
Iowa	4	75	.517				4	11	17	17	12	6	7	1																									
Kansas	4	19	.524						7	7	1	4																											
Kentucky	7	27	.601					1	2	6	4	4	4	2	3	1																							
Louisiana	2	7	.471			1	1	3				1	1	1																									
Maine	4	67	.562					3	11	15	17	11	9																										
Maryland	5	49	.661							4	2	6	26	6	4	1																							
Massachusetts	33	534	.607			5	8	18	35	79	114	97	71	58	17	12	10	3	5	2																			
Michigan	21	231	.629			1	1	10	9	33	54	28	24	23	25	14	5	3	1																				
Minnesota	5	67	.646			1		4	1	6	10	10	16	6	7	4	1	1																					
Missouri	11	119	.628				1	11	11	15	10	18	12	5	21	14	5	1																					
New Hampshire	7	74	.647						3	18	23	10	10	6	3																								
New Jersey	26	236	.716			1	1	2	4	13	39	30	33	36	65	9																							
New York	21	516	.705			1	2	2	20	39	95	99	101	47	73	20	10	5	2																				
Ohio	63	867	.636			2	5	20	27	96	121	187	153	127	83	26	15	3	1																				
Oregon	5	49	.724							5	7	19	12	4	2																								
Pennsylvania	45	907	.677			2	7	25	41	96	90	124	135	126	91	80	41	21	5	17	4	2																	
Rhode Island	9	174	.602					11	3	20	47	42	33	13	1	2	1	1																					
Tennessee	3	23	.655							2	6	10	2	3																									
Texas	7	79	.628				1	4	7	9	3	19	19	7	4	4	1	1																					
Washington	5	70	.768								1	2	11	33	19	2	2																						
Wisconsin	16	336	.656				1	1	5	38	48	87	61	41	27	10	8	7																					
Total	401	5,856	.663	1	1	14	37	140	215	579	730	988	913	777	571	494	182	86	59	57	10	2																	
Lathe hands and operators, turret, male:																																							
Alabama	3	14	.563							4	2	5	1																										
California	11	45	.786						2	2	2	1	2	6	11	5	10	5	1																				
Colorado	2	8	.732							1	1	1	4																										
Connecticut	16	107	.646				1	1	5	14	18	16	18	14	8	1	3	1	2																				
Georgia	3	6	.453			3																																	
Illinois	26	401	.743			1	2	6	7	21	22	51	35	63	39	79	29	19	13	13	1																		
Indiana	14	153	.605					5	16	32	19	25	23	16	6	7	3																						
Iowa	5	34	.552				1	5	3	7	7	4	5																										
Kentucky	5	17	.466				1	7	3	2	1																												
Maine	4	67	.547					5	10	21	14	11	6																										

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																				
	Estab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2
Lathe hands and operators, turret, male—Continued.																								
Maryland.....	3	17	\$0.684							1		1	9	5			1							
Massachusetts.....	30	413	.651			1	1	8	19	59	55	71	81	44	25	23	14	6	4	2				
Michigan.....	19	255	.588	1		2	3	13	28	51	47	42	22	16	14	8	6		1	1				
Minnesota.....	4	32	.656								2	2	4	2	1	4	6							
Missouri.....	7	33	.459			1	11	6	4	6		2	2			1	2							
New Hampshire.....	7	58	.616					3	8	9	9	13	2	6	4	2			1		1			
New Jersey.....	24	146	.660				3	3	5	11	12	28	24	20	10	27	2	1						
New York.....	20	167	.648					9	8	13	10	28	43	34	10	6	3	3						
Ohio.....	59	416	.623				5	5	32	66	65	84	66	48	19	15	4	5	1	1				
Oregon.....	2	8	.667								1	1	1	5										
Pennsylvania.....	30	589	.681				3	21	17	48	50	85	82	107	87	56	26	5	1	1				
Rhode Island.....	6	73	.603					1	5	10	24	20	4	4	3	1								
Tennessee.....	3	3	.513									1												
Texas.....	5	121	.534		3	2	2	18	30	21	18	18	7	1	1									
Washington.....	4	20	.740							1	1		2	4	5	7								
Wisconsin.....	15	189	.651					1	8	21	41	37	34	12	18	9	6	2						
Other States.....	1	1	.375				1																	
Total.....	328	3,393	.647	1	6	7	34	117	217	424	428	553	474	408	265	260	107	48	24	19	1			
Machinists, male:																								
Alabama.....	7	52	.673						1	4		9	6	25	6	1								
California.....	17	238	.831											19	59	77	43	17	10	13				
Colorado.....	2	32	.726										15	10	1	2		1	2					
Connecticut.....	12	122	.671							15	8	16	32	32	7	4	6		1	1				
Georgia.....	11	67	.634					2	7	4	2	19	17	6	7	1	2							
Illinois.....	25	252	.775							4	8	20	21	55	41	32	38	5	14	14				
Indiana.....	7	63	.610							9	16	20	12	5	1									
Iowa.....	6	47	.586						3	8	15	10	4	7										
Kansas.....	10	77	.719					1		5	6	6	17	18	8	3		9	2	2				
Kentucky.....	7	41	.634					1	4	4			13	12	3	3								
Louisiana.....	6	58	.806											15	7	22	5	5	1	2	1			

Maine.....	4	55	616						9	10	14	13	9											
Maryland.....	7	176	655							4	87	54	17	8										
Massachusetts.....	28	234	654							17	72	53	34	17	6									
Michigan.....	26	385	702			2	6	5	10	42	55	56	42	41	43	31			2		1			
Minnesota.....	6	38	632			1	5	9	28	7	7	6	14	4	1									
Missouri.....	12	67	727						5	7	7	8	5	10	1									
New Hampshire.....	3	116	637					1	7	62	16	13	8											
New Jersey.....	24	147	720						2	21	62	16	13											
New York.....	20	249	710				1		4	6	18	36	33	18	13				9	4	3	3		
Ohio.....	39	239	675						8	8	24	40	95	18	45				5	5				
Oregon.....	10	81	742					2	9	23	53	67	41	19	11			9	6				1	
Pennsylvania.....	40	429	711								5	14	23	22	11			4				1		
Rhode Island.....	11	231	621			4	14	4	27	36	61	70	59	61	47			5	10		8	5		
Tennessee.....	8	87	762					4	6	63	30	49	16	8	1									
Texas.....	11	102	774						9	1	4	7	31	19	10			2	2			1		
Washington.....	6	62	791								5	5	17	20	26			10	5	3		2		
Wisconsin.....	9	73	700						3	2	18	18	14	20	18			10	5	2			1	
Total.....	374	3,820	702			3	20	51	180	303	671	658	676	429	392	207	108	57	58		7			
Machinists' and toolmakers' helpers, male:																								
Alabama.....	4	7	523			2		1			3		1											
California.....	18	135	562				2	6	53	25	32	16		1										
Colorado.....	2	16	475					3																
Connecticut.....	7	91	461			2	13	3	19	7	2	1												
Georgia.....	3	13	332	6	1		1	2			1													
Illinois.....	17	96	600				1	5	17	14	19	25	10	1										
Indiana.....	5	38	459					10	10															
Kansas.....	9	28	401	1	1	3	9	8	5	1														
Kentucky.....	3	5	412				1	2	2															
Louisiana.....	5	14	435	2	1	1	2	5	2															
Maine.....	2	9	452					1																
Maryland.....	5	37	437					1	1	9	3													
Massachusetts.....	15	50	479			1	2	4	10	13	5		1											
Michigan.....	20	233	491			2	13	51	47	55	30	21	5	2				1				1		
Minnesota.....	3	4	467					4																
Missouri.....	11	26	391			1	7	6	4	1														
New Jersey.....	16	62	562				1	1	16	24	7	2	4	2	1								1	
New York.....	15	183	513					2	13	20	110	26	9	1	1									
Ohio.....	20	74	473			3	3	5	19	14	6													
Oregon.....	10	52	542						27	17	6													
Pennsylvania.....	35	290	473			10	51	98	42	18	11	6		2	3			1	2	5				
Rhode Island.....	5	43	507						13	21	9													
Tennessee.....	7	28	444			3	2	1	4	9	1	1												
Texas.....	9	56	438			2	13	3	6	16	9	4	2	1										
Washington.....	6	16	569						1	2	6	4	2											
Wisconsin.....	8	30	458					12	15	3														
Other States.....	2	5	516					3	1		1													
Total.....	262	1,641	494			7	14	47	125	293	276	451	197	121	63	25	7	4	4	5		1	1	

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																					
	Estab-lish-ments	Em-ploy-ees		Under 20 cents	20 and under 25 cents	25 and under 30 cents	30 and under 35 cents	35 and under 40 cents	40 and under 45 cents	45 and under 50 cents	50 and under 55 cents	55 and under 60 cents	60 and under 65 cents	65 and under 70 cents	70 and under 75 cents	75 and under 80 cents	80 and under 85 cents	85 and under 90 cents	90 and under 95 cents	95 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and under \$1.75	\$1.75 and under \$2	
Milling-machine hands and operators, male:																									
Alabama	3	5	\$0.487			1	1		1		1				1										
California	8	27	.750							1				1	7	2	1	4							
Colorado	2	6	.650											1	2	2									
Connecticut	18	160	.606		1		1	13	6	18	27	43	25	6	9	6	2	1	2						
Illinois	25	280	.725					3	12	16	25	25	34	31	26	66	18	7	10	7					
Indiana	14	65	.618					1	1	8	17	19	8	6	2	1				2					
Iowa	3	23	.519					3	7	6	2	3		3											
Kentucky	4	9	.497				1	1		1	3			3											
Maine	3	27	.551					2	4	7	9			3											
Maryland	4	30	.685							1				4	17	4	1								
Massachusetts	32	339	.625		1	2	3	12	21	43	61	60	55	39	18	10	9	2	2	2	1				
Michigan	24	138	.605			4	8	11	30	28	13	9	5	14	8	4	1	2	1	2					
Minnesota	4	19	.659						2	2	5	3	2	3	2										
Missouri	9	23	.562					4	3	1	5	2	3	1	3										
New Hampshire	7	53	.634				1	4	3	3	6	8	14	4	3	5	1								
New Jersey	18	68	.679					5	4	3	11	11	9	4	10	15									
New York	19	497	.715					1	5	17	23	59	142	87	40	88	27	6		2					
Ohio	66	433	.617			2	4	5	33	63	81	74	67	64	22	12	4	2							
Oregon	3	7	.799									1		4											
Pennsylvania	36	376	.683				6	23	22	29	28	36	47	69	43	25	20	15	5	2					
Rhode Island	8	142	.603					1	4	37	32	33	21	5	3	4	2								
Tennessee	4	7	.569						1	2	1	1	1												
Texas	3	34	.533					5	10	6	4	6	1	1											
Washington	4	18	.754								1	1	4	9	1	2									
Wisconsin	16	137	.615					2	6	29	36	21	15	13	7	6	2								
Other States	2	2	.538				1							1											
Total	339	2,925	.653		2	6	22	89	157	324	402	432	484	355	219	257	94	36	24	22					

Planer hands and operators, male:

Alabama	4	9	700							1	3			1	4	2	2	6								
California	12	27	898												4	3	7			2						
Colorado	2	2	730																3							
Connecticut	14	146	681												42	24	9		3	7						
Illinois	27	148	832				1	4	11	3	16	17		42	9	9		10		2			3			
Indiana	12	45	609					1	10	3	11	7		13	4	17		11		12		14		28	1	
Iowa	2	4	588					1			1	1		8												
Kansas	2	2	515											1	1											
Kentucky	4	7	663											1	2											
Maine	3	12	586					1	3		3	2		2	3				1							
Maryland	2	12	761											1	2											
Massachusetts	32	210	663			1	1	3	21	22	53	40		3	3							1		1		
Michigan	18	110	628				6	6	20	28	10	10		11	9		6	2		6		1		2	1	2
Minnesota	5	12	654						1	3	4	3		3	2		7		3		1		1	1		1
Missouri	7	21	666					3	1	3	4	1		1	4		3		1							
New Hampshire	6	16	610								5	4		1	5											
New Jersey	20	82	780				1				3	11		6	7		12	38		2		2	1			2
New York	20	181	719					2	3	11	19	32		60	38		24	7	3	3		1		2		
Ohio	63	421	684				7	12	24	40	58	81		86	57		31	15	5	3		3		2		
Oregon	2	2	757											1	1											
Pennsylvania	39	190	758			2	1	6	4	12	24	25		18	30		17	10		4		12		1		1
Rhode Island	8	33	640					1	7	7	4	4		5	3		1						1			
Texas	3	6	611			1			1			1		1	1											
Washington	4	17	759									1		3	8		5									
Wisconsin	14	113	688						6	13	26	1		19	13		6	5	3	1						
Other States	2	2	645								1	1		21	13		6	5	3	1						
Total	327	1,838	705			1	3	18	42	115	188	265		297	316		189	136	82	50		30		52		4

Screw-machine hands and operators, male:

California	4	19	733						1	1	1			1	9		1	2	1	1		1					
Colorado	2	2	571						1	1	1																
Connecticut	10	38	622						2	4	10	8		4	5		3	2		1							
Illinois	16	128	726					5	3	10	9	14		6	25		12	22	5	5		6		6			
Indiana	10	57	585					1	3	13	13	15		8	2		2										
Iowa	2	11	466			1		4	2	2	2																
Kentucky	4	5	496					1			1			1													
Massachusetts	27	176	640			1	1	3	10	20	29	34		24	25		16	10		1		1		1			
Michigan	16	74	671					1	4	15	4	7		4	9		12	11		4		3					
Minnesota	2	11	715					2		1	2			2	1							2					
Missouri	6	13	476				1	1		3	5	1		1	1												
New Hampshire	2	17	565				1		4	1	4			3	2		2										
New Jersey	7	13	691												2												
New York	14	113	666												2												
Ohio	44	269	666				1	4	2	12	15	41		67	34		5	9	26		1	1					
Pennsylvania	21	212	637			1		3	15	40	36	62		53	28		19	4	4		1						
Rhode Island	10	94	601				1	26	10	22	23	14		20	30		32	17		4		3		4		1	
Wisconsin	13	102	599					1	9	26	20	14		9	5		5	5		1		2					
Other States	5	29	615					2	2	2	2	9		7	1		1										
Total	215	1,482	643			1	1	4	6	56	82	201		198	244		187	122	99	21		16		11		19	1

TABLE C.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average earnings per hour	Number of employees whose earnings per hour were—																						
	Estab-lish-ments	Em-ploy-ees		Un-der 20 cents	20 and un-der 25 cents	25 and un-der 30 cents	30 and un-der 35 cents	35 and un-der 40 cents	40 and un-der 45 cents	45 and un-der 50 cents	50 and un-der 55 cents	55 and un-der 60 cents	60 and un-der 65 cents	65 and un-der 70 cents	70 and un-der 75 cents	75 and un-der 80 cents	80 and un-der 85 cents	85 and un-der 90 cents	90 and un-der 95 cents	95 cents and un-der \$1	\$1 and un-der \$1.25	\$1.25 and un-der \$1.50	\$1.50 and un-der \$1.75	\$1.75 and un-der \$2		
Toolmakers, male:																										
Alabama.....	2	2	\$0.775											1				1								
California.....	9	36	.873											2	1	12		7	5	2	7					
Colorado.....	2	3	.734																							
Connecticut.....	16	107	.702						1	6	5	9	23	25	23	10	3	2								
Georgia.....	5	6	.703																							
Illinois.....	26	198	.780								4	20	29	40	26	20	16	11	15	15	2					
Indiana.....	14	124	.677								2	3	33	34	27	19	6									
Iowa.....	4	27	.632							3	4	5	10	5				1	1							
Kansas.....	2	3	.828																							
Kentucky.....	4	6	.733							1		1			1	1	2									
Louisiana.....	2	2	.688							1								1								
Maine.....	4	14	.620								4	4	4	2												
Maryland.....	4	37	.706									3	14	10	9	1										
Massachusetts.....	34	236	.705				1		1	3	9	27	58	81	29	13	6	3	1	3	1	3	1			
Michigan.....	28	193	.754						1	4	14	18	16	37	17	33	21	25	2	2	3					
Minnesota.....	4	21	.682								1	2	3	1	4	3	1	1								
Missouri.....	10	32	.696									1	2	8	6	4										
New Hampshire.....	4	29	.743									1	4	2	6	8	5	5								
New Jersey.....	18	104	.794									1	4	10	15	17	32	15	3	1	6					
New York.....	21	397	.781							1	7	26	42	56	75	84	22	52	19	13						
Ohio.....	61	439	.691							20	38	87	92	96	40	36	17	7	1	4						
Oregon.....	2	3	.915															2								
Pennsylvania.....	35	243	.729						1	2	6	7	24	42	69	38	27	16	7	1	3					
Rhode Island.....	10	124	.687								3	9	25	33	26	12	6	8	1	1	1					
Tennessee.....	2	6	.696											1	2	1										
Texas.....	4	10	.729								1	1	3		1			1	2							
Texas.....	3	6	.803												1	3	1									
Washington.....	4	6	.803												2	3	1									
Wisconsin.....	16	165	.683							4	21	28	45	36	19	6	1	1	3	1						
Total.....	346	2,573	.727					1	1	7	55	130	335	469	548	348	305	146	121	45	56	6				

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE

FOUNDRIES

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Chippers and rough grinders, male:																
Alabama	4	32	55.1						10	3		12	7			
California	12	78	48.0		17		47		3	6						
Colorado	3	32	53.9							12	20					
Connecticut	16	131	50.0				37		76		17					1
Georgia	7	50	57.3					3	7				10		23	7
Illinois	30	338	53.3				111	9	17	29	77	1			94	
Indiana	13	128	52.4	7					37	24	45		6		9	
Iowa	12	142	53.5			15	16		4		56		26		25	
Kansas	8	34	55.0							1	27				6	
Kentucky	7	15	53.5			2	1		1	3		5	1			2
Louisiana	4	36	46.6		30								4	2		
Maine	4	57	49.8		2				54	1						
Maryland	7	39	53.5								13					
Massachusetts	21	373	49.6			16	197		17		77		1		8	
Michigan	34	404	50.1	1		110	5	82	83		86		24		12	
Minnesota	6	68	54.1					6			31		30		1	
Missouri	15	71	53.4				6	4		9	41			11		
New Hampshire	7	28	49.7				10		15		3					
New Jersey	18	194	50.2			60	11		24	43	36		7		13	
New York	22	324	50.1	4		7	92		161	4	48				8	
Ohio	45	498	54.0			19	45	49	44	5	117			94	125	
Oregon	6	21	45.7		12											
Pennsylvania	39	529	51.6			3	107		18	124	63	99	62	53		
Rhode Island	8	159	51.3						31	58	69					1
Tennessee	6	61	49.6				23		1	37						
Texas	8	37	52.8							1		21			4	
Washington	7	49	48.0			2	47									
Wisconsin	14	182	50.4			24	59			52	24		16		6	1
Total	383	4,110	51.5	12	61	258	834	203	899	303	822	62	269	39	336	12

GENERAL TABLES

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Core makers, male:																
Alabama	5	21	52.8	3						3	5					10
California	13	73	47.5	3	21		36			6	7					
Colorado	4	28	51.7					10	1	1	16					
Connecticut	16	103	49.6				50		39		14					
Georgia	8	22	52.0					2	13	2		1	1			3
Illinois	80	238	51.3					117	12	29	56		1			23
Indiana	13	145	49.0	36			5	5	38	28	34			4		
Iowa	13	92	52.6			5	27		3		35			8		14
Kansas	5	10	54.0								10					
Kentucky	8	9	49.2	1		2	2		1				2	1		
Louisiana	4	13	49.9											3		2
Maine	4	12	48.3		4				6	2						
Maryland	7	38	49.9			9	7		13		9					
Massachusetts	21	155	48.4			12	109		27		7					
Michigan	39	345	50.5			43	60	61	65		76			32		8
Minnesota	6	58	53.3				2	6			46			4		
Missouri	14	63	51.7				21	3		7	28					
New Hampshire	7	12	49.5				5	5	6		1					
New Jersey	17	99	50.6				30	6	27	9	27					
New York	23	221	49.2	22		1	81		63		54					44
Ohio	45	405	52.0	9		2	136	5	43		109			60		
Oregon	7	12	46.2		5	1	6									
Pennsylvania	39	584	49.4		25	42	224		170	31	43	3	46			
Rhode Island	8	73	50.0						37		28					
Tennessee	7	22	48.5		1	1	11		9							
Texas	9	23	50.1		5	3	2		2		11					
Washington	7	27	47.9			2	25									
Wisconsin	14	161	51.1			25			18	55	36			14		8
Total	893	3,067	50.3	74	69	148	956	148	621	162	588	4	178	12	102	5
Core makers, female:																
Illinois	3	62	48.5				57				5					
Kentucky	2	3	53.3						1					2		
Michigan	13	105	50.3			2		45	43		10			5		
New Jersey	3	31	46.8			20			11							

New York	7	62	47.4	10			37		12		3								
Ohio	3	8	47.1		3		2		3										
Pennsylvania	2	19	48.5						15										
Rhode Island	3	14	51.7	4					3		11								
Wisconsin	3	26	44.8		24						1					1			
Other States	4	23	49.8						4		19								
Total	43	353	48.6	14	27	22	96	52	104	12	18				8				
Laborers, male:																			
Alabama	5	54	56.1	2						3	20			11	15	1			2
California	11	131	48.7		49		49			19	8				6				
Colorado	4	73	53.8						2	20	51								
Connecticut	16	403	61.9				64		215		91								33
Georgia	10	127	55.7					3			10		47	7			34		26
Illinois	30	959	52.8				403		46	69	236		2			172		31	
Indiana	13	443	53.5	11		70	1		49	45	117		10	12		88		40	
Iowa	18	349	55.8			16	30		19		111		79			62		32	
Kansas	8	43	55.5							2	30					11			
Kentucky	6	38	56.2			1			1	3				27		1		5	
Louisiana	5	63	52.4		30						3				19	9		2	
Maine	3	33	54.5		7											19			
Maryland	7	94	55.8						7					10		31		2	
Massachusetts	21	687	49.1			36	424		133		94								
Michigan	37	1,475	51.0			192	19	381	372		354		67			81		9	
Minnesota	5	167	57.9					13			62		44			17		21	
Missouri	14	190	54.1				28				127				15	20			
New Hampshire	7	67	48.8				49		14		2								
New Jersey	19	659	53.6			7	49		126	63	287		23	8		73		23	
New York	23	975	51.6		10	32	180		448	56	163		18			37		41	
Ohio	45	1,489	54.5	14		38	196	131	149	6	364		145			388		58	
Oregon	7	51	46.0		24	3	24												
Pennsylvania	41	1,416	51.5		22	4	374	21	399	126	227	96	90	10		13		34	
Rhode Island	8	262	52.5					66	81	79	1		4	2		2		17	
Tennessee	5	81	53.6			1	28		36							3		13	
Texas	6	51	54.9			9	12		3		20							7	
Washington	6	72	48.0				72												
Wisconsin	14	499	53.1			35	3	75	132	117	16		40	19		19		43	
Total	389	10,931	52.5	27	142	444	2,005	690	2,248	608	2,419	96	617	115	1,081	439			
Molders, hand, bench, male:																			
California	11	36	45.8	4	14		16			2									
Connecticut	15	103	49.8				42			46	16								
Georgia	7	43	56.9					2	7	4			1	1		28			
Illinois	24	132	51.4				47		10	37	36					2			
Indiana	12	77	48.6	24			4		11	11	25			2					
Iowa	10	65	54.0			6	3		4		36					15			
Kansas	5	12	54.0							1	11								
Kentucky	5	11	44.5	5		3			2				1						
Louisiana	3	9	53.1		1									1		7			
Maine	4	23	49.3		3				19	1									

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Molders, hand, bench, male—Continued.																
Maryland	7	32	50.3			10	4		6		12					
Massachusetts	20	216	48.5	5		14	106		89		2					
Michigan	33	371	49.3	16	29	38	76	104	7				11		11	
Minnesota	6	32	53.7				1	2					5			
Missouri	12	52	52.0				16			4				1		
New Hampshire	7	59	50.0				15		36		8					
New Jersey	16	92	50.3				28	2	23	24	15					
New York	19	199	50.0	6		8	53		79		53					10
Ohio	38	212	50.1	6		19	60	25	27	15	47		3			
Oregon	6	12	47.0		3		9									
Pennsylvania	27	244	51.1		9	2	27	2	96	56	9	40				3
Rhode Island	8	95	50.1				7	38	46	11						
Tennessee	5	39	49.5		1				31							
Texas	6	13	50.1			5	3				5					
Washington	4	5	47.8			1	4									
Wisconsin	13	176	50.7			8		78	39	38			6	3		4
Other States	2	3	53.3						1				2			
Total	325	2,363	50.2	66	60	114	521	253	578	204	409	40	30	8	80	
Molders, hand, floor, male:																
Alabama	5	48	51.5	11						13	10		14			
California	13	166	46.9	9	41		78	28								
Colorado	4	59	51.2				13	19	2	4	21					
Connecticut	16	302	49.9				136		106		60					
Georgia	11	79	53.2					4	18	27	5		4	11	10	
Illinois	13	384	50.9				204		28	41	74		3		34	
Indiana	30	212	50.7	27			6		61	54	55			9		
Iowa	13	181	53.3			2	50		12		66		13		38	
Kansas	9	70	53.8					2		5	63					
Kentucky	9	48	48.2	7		10	10		10	2		2	7			
Louisiana	5	48	49.4		30						3			9	6	
Louisiana	4	54	47.4		25					6						
Maine	7	103	49.1			25	33		32		13					
Maryland	21	373	47.9	17		29	241		82		4					
Massachusetts	4	391	49.2	17	7	62	144	46	28		35		27		25	

Minnesota.....	6	77	53.0				7	9			50		11		
Missouri.....	15	172	52.1				49				100			5	
New Hampshire.....	7	33	49.4				16		14	18	3				
New Jersey.....	18	262	50.6				84		87	17	74				
New York.....	23	339	49.1	42		9	120		67		101				
Ohio.....	45	881	51.6	7		20	323	60	42	34	212		123		60
Oregon.....	8	38	47.1			8	28								
Pennsylvania.....	41	792	50.3		21	84	169	8	223	57	141	9	69		11
Rhode Island.....	8	114	50.3					34	64	16					
Tennessee.....	7	83	48.6		3	10	27		42		1				
Texas.....	7	83	50.2				30		19		30				
Washington.....	7	75	47.9				68								22
Wisconsin.....	13	145	52.4			23		7	18	57			18		
Total.....	401	5,612	50.4	137	135	302	1,836	217	963	361	1,121	11	289	34	206
Molders, machine, male:															
California.....	4	11	50.2				6			5					
Colorado.....	2	7	52.3					2			5				
Connecticut.....	8	101	52.2				3		40		58				
Illinois.....	14	267	51.9				114		15	29	74				35
Indiana.....	11	231	45.4	116			11		63	18	21			2	
Iowa.....	9	86	51.8			30	4		2		30		1		19
Kansas.....	2	7	54.0								7				
Kentucky.....	3	6	53.0				1		1				4		
Louisiana.....	2	3	49.3		2										1
Maine.....	2	41	50.0						40	1					
Maryland.....	5	26	52.8				1		6		19				
Massachusetts.....	16	248	48.8			7	139		97		5				
Michigan.....	24	410	49.2	9	8	58	33	38	33	211	39			14	
Minnesota.....	6	37	52.8				4		5		25			3	
Missouri.....	4	27	54.8				3				16				8
New Hampshire.....	3	17	48.9				13		2		2				
New Jersey.....	14	174	51.8				30	7	36	7	94				
New York.....	16	261	49.5	1		3	104		130		23				
Ohio.....	24	335	51.5			33	41	20	41	20	81			14	33
Pennsylvania.....	31	452	49.3	23		4	13	230	14	120	35	9	1	26	
Rhode Island.....	8	131	50.7						60	33	37			1	
Tennessee.....	2	3	48.7				2		1						
Texas.....	3	21	54.0								21				
Washington.....	2	10	48.0				10								
Wisconsin.....	12	201	51.4			5		43	68	55				27	3
Other States.....	2	27	51.1						21					6	
Total.....	229	3,140	50.1	149	14	149	749	189	886	277	529	1	95	11	91
Molders' helpers, floor, male:															
Alabama.....	5	71	56.4	8							2		29	31	1
California.....	12	89	48.8		23		34		4	10	18				
Colorado.....	4	61	53.8						2	7	52				
Connecticut.....	13	169	50.3				51		83		35				
Georgia.....	9	119	58.9					7		18	2		6		34

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Molders' helpers, floor, male—Continued.																
Illinois.....	19	150	54.7				32		11		51					56
Indiana.....	9	74	50.8	7					39	13	8			3		4
Iowa.....	8	40	52.4				18		2		10		2			8
Kansas.....	6	20	54.6								2					2
Kentucky.....	8	28	50.6			8	2		10	4						1
Louisiana.....	5	54	49.5		34						2			12		6
Maine.....	2	5	46.4		3				2							
Maryland.....	3	11	52.9						6		3					2
Massachusetts.....	16	86	48.4			4	00		21		1					
Michigan.....	24	275	50.4	2		39	42	43	19	28	62		14			26
Minnesota.....	5	41	53.5					5			35					1
Missouri.....	11	81	54.2				12				54					13
New Jersey.....	16	205	52.0				15		81	39	51				5	14
New York.....	15	145	49.8	14		14	42		14		61					
Ohio.....	29	247	53.9			4	32	11	18	16	90		18			58
Oregon.....	7	21	46.3		9		12									
Pennsylvania.....	27	390	50.1		17	50	80	2	109	14	74	3	39			2
Rhode Island.....	4	28	50.2					10	13							
Tennessee.....	7	83	51.2				29	7	33		2					10
Texas.....	9	98	54.3			14	10		1		47					26
Washington.....	5	31	47.8			5	26									
Wisconsin.....	7	20	52.0			8			1	2			3			6
Total	285	2,642	51.8	31	86	146	497	85	474	153	676	3	111	53	287	40
Pattern makers, male:																
Alabama.....	5	20	53.4						3	6	8		3			
California.....	9	39	46.5		14	2	23									
Colorado.....	3	8	46.3		5		2				1					
Connecticut.....	11	81	49.6			12	10		46		13					
Georgia.....	11	23	52.9					2	9		1		4	6		1
Illinois.....	26	95	50.0			1	28	22	20	14	8		2			
Indiana.....	13	87	50.0	8				17	40	14			5	3		
Iowa.....	8	23	53.6				3		2		12		2			4
Kansas.....	8	10	54.3		1			1		1	4					3
Kentucky.....	5	10	50.6		2	1	2						4			
Louisiana.....	5	15	49.7		9						1			4		1

Maine	4	17	48.0		6				10	1						
Maryland	6	14	50.2			1	3		7		3					
Massachusetts	17	127	48.7			20	54		42		11					
Michigan	31	185	51.8			11	5	35	58	10	21		28		17	
Minnesota	5	42	49.7					39					3			
Missouri	10	32	49.6			14				6				1		
New Hampshire	5	14	50.7				3		7		11					
New Jersey	18	115	49.2				17		30		4					
New York	21	178	49.6		3	33	17	4		12	16					
Ohio	37	217	52.1		3	26	61	26	6		10		3	1	8	
Oregon	6	11	47.0			1	7				55		49	7	15	
Pennsylvania	41	286	50.8		2	2										
Rhode Island	8	53	50.7		4	1	79	1	102	17	29	15	34	3	1	
Tennessee	6	12	48.8		1			4	20	21	8			4		
Texas	9	23	50.2		2			8		7						
Washington	6	24	47.9			2		5			8					
Wisconsin	12	66	51.3			15		22					14			4
Total	346	1,827	50.4	8	52	142	404	167	485	109	216	15	145	30	54	

MACHINE SHOPS

Assemblers, male:																
Alabama	6	26	53.8							11	4		11			
California	4	21	48.0			7	7	5	2							
Colorado	2	14	48.1					12								
Connecticut	17	524	50.2			31	42		369		33		49			
Georgia	3	14	56.3							1				11	2	
Illinois	32	701	50.1		12	3	222	60	221	85	38		60			
Indiana	9	272	52.3						111	86			66	9		
Iowa	5	81	53.8			5	1				37		38			
Kentucky	2	7	49.6			1			6							
Maine	3	52	48.7		12				38	2						
Maryland	6	54	48.0			5	39		10							
Massachusetts	34	865	48.9		26	43	334		450		3		9			
Michigan	24	527	51.6			3	5	54	279	11			175			
Minnesota	3	45	49.7					14	31							
Missouri	9	166	52.7				36				130					
New Hampshire	5	88	48.9				65		14		9					
New Jersey	20	516	48.8				314	1	192	9						
New York	18	866	48.3		3	210	525		87	30	5		6			
Ohio	61	1,410	50.7		17	52	370	171	318	107	42	34	148	151		
Oregon	3	9	48.0				9									
Pennsylvania	20	463	49.4			2	199	57	174	12			7		12	
Rhode Island	5	157	50.3						130	27						
Washington	3	21	48.0				21									
Wisconsin	11	251	40.3			26			93	124			3	5		
Other States	1	1	60.0												1	
Total	306	7,151	49.6		70	383	2,191	374	2,525	505	301	34	572	176	15	

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Boring-mill hands and operators, male:																
Alabama.....	3	9	54.0							2	4		3			
California.....	10	63	48.0		24	1	16	5	11						6	
Colorado.....	2	16	48.1					11								
Connecticut.....	16	127	50.5			8	3		92	13		11				
Georgia.....	6	11	52.6						3	3			2		1	
Illinois.....	33	233	50.4		1	1	80	39	42	11	39		18		2	2
Indiana.....	15	62	52.3						35	9			11	5	2	2
Iowa.....	3	29	54.2				2				15		11		1	
Kentucky.....	5	7	49.1		2	1	1		1				2			
Louisiana.....	2	3	59.7												1	2
Maine.....	2	9	44.9		8											
Maryland.....	3	7	49.6				6			1					1	
Massachusetts.....	25	133	48.7		2	18	41									
Michigan.....	19	131	53.2				7	4	30	6			82			2
Minnesota.....	5	27	49.5					27								
Missouri.....	9	41	51.5			3	16				19			3		
New Hampshire.....	3	10	51.0				5				5					
New Jersey.....	20	61	49.1			1	29	1	27	3						
New York.....	20	207	49.5		1	77	87		25	5	8		4			
Ohio.....	63	366	50.6		11	36	101	49	43	31	17	2	71	17	6	2
Oregon.....	5	13	47.9			1	12									
Pennsylvania.....	39	345	50.4		1	1	97	13	121	24	42	10	33		3	
Rhode Island.....	5	31	50.5						21	10						
Tennessee.....	4	10	49.6				2		8							
Texas.....	5	9	50.4				2	1	4			1	1			
Washington.....	4	19	47.8				3									3
Wisconsin.....	14	135	52.5				9		20	84			8	11		
Other States.....	1	1	60.0												1	
Total.....	341	2,135	50.4		50	180	528	152	554	189	163	13	255	40	26	5
Drill-press hands and operators, male:																
Alabama.....	6	25	53.3						1	14	2		8			
California.....	13	75	46.0		41	5	18	4	7							
Colorado.....	2	20	48.1				8	12								
Connecticut.....	18	159	50.7			9	10		100	22			18			

Georgia	6	17	51.7					1	7	7				2			
Illinois	34	611	49.5		88		182	31	150	65	45		45			5	
Indiana	14	235	53.2						85	65			47	12	26		
Iowa	4	116	54.4			4	1				65		39		6	1	
Kansas	4	11	56.7								6				5		
Kentucky	8	15	51.8		1	1	2		3				8				
Louisiana	3	12	55.7			4								2	6		
Maine	3	38	48.9		8				27	3							
Maryland	4	26	48.7				17		9								
Massachusetts	36	466	49.0		3	3	22		201		222		15				
Michigan	26	274	51.8				14		8	143	6						
Minnesota	6	76	51.0					58		2			103				
Missouri	15	84	53.3			5	17			1	3			13	7		
New Hampshire	6	62	50.3				31		11		47			7			
New Jersey	26	174	49.3			2	63	4	99	5	20					1	
New York	20	448	48.3		13	91	263		59	13	7			2			
Ohio	70	735	51.3		5	50	178	70	132	57	59	16	107	30	6	25	
Oregon	7	34	47.9			3	31										
Pennsylvania	45	743	50.3		3	3	266	23	268	47	19	6	68	33	4	3	
Rhode Island	10	160	50.5						110	40							
Tennessee	5	13	50.8				5		7								1
Texas	10	75	50.6			3	14	16	22		12		8				
Washington	6	29	47.6				11	18									
Wisconsin	16	289	51.0			25			54	157			25	17			11
Total	423	5,012	50.4	3	162	238	1,339	227	1,518	490	307	22	493	116	66	41	
Fitters and bench hands, male:																	
Alabama	4	12	53.3							8	1		3				
California	13	246	45.5		159	7	62	4	14								
Colorado	2	11	48.0				9	2									
Connecticut	10	97	51.6				17		36		32		12				
Georgia	2	6	51.0					3		3							
Illinois	28	622	49.4		158		92	46	113	105	48		59		1		
Indiana	15	312	52.0						169	77			38	22	6		
Iowa	5	22	51.4			1	8		2		3		8				
Kansas	3	26	58.8								5				21		
Kentucky	8	52	48.9		10	1	22		9				9	1			
Louisiana	2	9	59.4											5	4		
Maine	3	54	45.5		41				12	1							
Maryland	3	15	48.1				14		1								
Massachusetts	33	673	48.8		1	6	49	262	350		1		4				
Michigan	27	406	51.6				52	1	167	65			121				
Minnesota	7	78	49.9					33	40								
Missouri	11	72	54.0			8	8				37			7	12		
New Hampshire	7	133	48.7				91		41		1						
New Jersey	26	317	48.9				179	2	132		4						
New York	19	1,332	48.1		23	508	623		59	9	35		4	11			
Ohio	67	1,134	49.7		12	129	401	166	134	51	68	4	146	21			2
Oregon	4	24	48.0				24										
Pennsylvania	45	1,339	51.0		7	12	409	31	337	140	58	18	141	185			1
Rhode Island	10	378	50.4						301	76			1				

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Estab-lish-ments	Em-ployees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Fitters and bench hands, male—Continued.																
Tennessee.....	5	30	48.4				24		6							
Texas.....	8	87	50.4					40	21		8		8			
Washington.....	5	98	47.6			38	60									
Wisconsin.....	16	572	51.9			55			100	316			86	15		
Total.....	388	8,157	49.8	1	416	368	2,367	328	2,044	855	802	22	640	267	44	3
Grinding-machine hands and operators, male:																
California.....	4	38	50.6		2		5	22	2							7
Colorado.....	2	5	48.0				3	2								
Connecticut.....	17	116	50.6			3	4		90				15			
Illinois.....	22	367	50.1		36		99	10	86	69	51		16			
Indiana.....	10	90	54.3						22	6			49		13	
Iowa.....	4	44	54.1			1	1				22		20			
Kansas.....	2	2	60.0												2	
Kentucky.....	2	2	50.0						2							
Maine.....	2	43	50.0						42	1						
Maryland.....	4	22	53.0				12							10		
Massachusetts.....	31	174	50.3			8	62		57		12		35			
Michigan.....	19	68	51.2				5		44	1			18			
Missouri.....	7	18	54.2				1				15			2		
New Hampshire.....	4	24	48.8				19		3		2					
New Jersey.....	10	43	46.9			20	17		5	1						
New York.....	17	227	48.3		6	31	162		13	9	6					
Ohio.....	53	251	50.1			25	50	26	75	36	1	5	21	12		
Pennsylvania.....	28	215	49.6		1	1	115	3	50	18	3	2	10	11	1	
Rhode Island.....	9	148	50.1						138	9				1		
Washington.....	3	7	47.3			5	2									1
Wisconsin.....	14	87	52.6			6			13	43			20	4		
Other States.....	3	25	52.6				1	17					5	2		
Total.....	267	2,016	50.3		45	100	558	80	642	193	116	7	209	42	23	1

Laborers, male:

Alabama	6	40	53.8						18	2		20				
California	9	75	46.2				32	3								
Colorado	2	30	48.1	39			15	15						1		
Connecticut	17	312	50.7			22	23		187		43					
Georgia	9	58	53.3					3	25	3		37	17		8	
Illinois	35	1,149	50.1	154	6	240		55	312	133	92	124	87	32	24	15
Indiana	15	424	52.4						239	50		87	68			1
Iowa	5	115	53.7					7	7	2	31					
Kansas	6	39	57.2							1	17				21	
Kentucky	7	33	52.6	6	1	1		6						1		2
Louisiana	5	94	48.3	24	1							16		7	2	1
Maine	4	59	48.9		15	3			39	4						
Maryland	8	79	49.9		3	1	55		6				14			1
Massachusetts	38	955	49.2	2	7	58	357		481		23		26			1
Michigan	27	557	51.5				8	9	331	56		153				1
Minnesota	7	124	50.4					81	33		6			1		3
Missouri	13	112	53.6			3	24			8	55			12	9	1
New Hampshire	8	55	50.7				22		13		19			1		
New Jersey	28	401	50.1				175	1	190	15	1				14	5
New York	21	1,034	48.6	6		198	604		161	14	36	1	5	3	5	1
Ohio	71	1,518	51.2	11	121	390	186	194	76	72	13	368	54	6	6	27
Oregon	3	10	48.0				10									
Pennsylvania	47	1,607	50.7	21	4	573	19	478	114	122	14	136	105	5	16	
Rhode Island	12	354	53.6					175	85	13		7	14	13	47	
Tennessee	6	38	49.8				20		14		2			2		
Texas	11	80	52.9		3	24	19	5				9				7
Washington	3	21	48.0				21									
Wisconsin	16	520	51.5			66		109	290			34	14			7
Total	439	9,833	50.6	2	286	484	2,603	398	3,005	869	548	28	1,091	276	124	119

Lathe hands and operators, engine, male:

Alabama	5	32	53.7							11	15		6			
California	12	218	46.6		91	12	72	13	29						1	
Colorado	2	22	48.1				7	15								
Connecticut	18	247	50.3			23	23		149		25		27			
Georgia	5	23	52.4					6	6	7					4	
Illinois	36	633	50.2	67	5	96	74	181	81	89		40				
Indiana	15	155	52.4					84	26			27	11	7		
Iowa	4	75	54.7		1	7				28	29			9		1
Kansas	4	19	54.9			4				8				7		
Kentucky	7	27	49.1	5	2	7		8				5				
Louisiana	2	7	56.4			2									5	
Maine	4	67	48.3		20				44	3						
Maryland	5	49	48.5				41		7				1			
Massachusetts	33	534	49.7		12	33	155		246		29		59			
Michigan	21	231	52.5				31		58	3		121		5	5	
Minnesota	5	67	50.6					13				8				
Missouri	11	119	51.4			11	42					61		5		
New Hampshire	7	74	50.0				34		23			17				
New Jersey	26	236	49.0			2	117	6	103	8						

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Lathe hands and operators, engine, male—Continued.																
New York.....	21	516	48.5		12	137	233		92	8	27		5	2		
Ohio.....	68	867	50.5		12	91	227	103	110	55	55	3	174	33	4	
Oregon.....	5	49	48.0				49									
Pennsylvania.....	45	907	51.0		33	9	180	19	313	68	107	34	107	22	7	8
Rhode Island.....	9	174	50.5						133	41						
Tennessee.....	3	23	49.8				2		21							
Texas.....	7	79	50.5				23	26	8		11		11			
Washington.....	5	70	47.7			20	50									
Wisconsin.....	16	336	51.8			43			60	183			30	12		8
Total.....	401	5,856	50.3		252	391	1,400	329	1,675	494	480	66	612	91	49	17
Lathe hands and operators, turret, male:																
Alabama.....	3	14	53.9				6			6			8			
California.....	11	45	46.9		21		6	10	7						1	
Colorado.....	2	8	48.0				5	3								
Connecticut.....	16	107	50.9			7	11		56		13		20			
Georgia.....	3	6	51.9					2		3			1			
Illinois.....	26	401	49.2		55		157	18	95	20	45		5		6	6
Indiana.....	14	153	53.4						56	31			41	6	19	
Iowa.....	5	34	52.6			3	3		1		25		2			
Kentucky.....	5	17	53.2		1	1	1		1				13			
Maine.....	4	67	49.7		4				62	1						
Maryland.....	3	17	48.1				16		1							
Massachusetts.....	30	413	49.0			22	221		137		29		4			
Michigan.....	19	255	52.4				1	2	127	4			121			
Minnesota.....	4	32	51.0					25			1			6		
Missouri.....	7	33	53.5				3				30					
New Hampshire.....	7	58	49.3				39		9		10					
New Jersey.....	24	146	49.4			2	51	1	67	25						
New York.....	20	167	48.9		4	34	63		50	7	8		1			
Ohio.....	59	416	51.0		5	28	100	74	79	25	4	9	65	17	7	3
Oregon.....	2	8	48.0				8									
Pennsylvania.....	30	589	49.0		5	1	372	6	162	20	3		16			4
Rhode Island.....	6	73	50.9						43	29						1

Tennessee	3	3	49.3				1		2									
Texas	5	121	51.8				5	58	6		2			50				
Washington	4	20	47.7				7	13										
Wisconsin	15	189	52.3				18		32	106				21	6		1	6
Other States	1	1	60.0															
Total	328	3,393	50.2		95	123	1,076	199	993	277	170		9	368	35	34		14
Machinists, male:																		
Alabama	7	52	53.2						15	11	4			22				
California	17	238	45.3	163	2	71	2											
Colorado	2	32	48.1			9	23											
Connecticut	12	122	49.1			13	55		39		5			10				
Georgia	11	67	54.4				3	20	3	3	3			5	19	14		
Illinois	25	252	49.5	39	5	55	26	58	31	28				6	4			
Indiana	7	63	54.7					14	7					27	3	12		
Iowa	6	47	52.3					9		22				2		14		
Kansas	10	77	50.1	17		10	8	8	6	28								
Kentucky	7	41	50.8	12		1		10						8	10			
Louisiana	6	58	47.9	35	7						3				13			
Maine	4	55	50.0						43	9								
Maryland	7	176	47.8		5	14	140	17										
Massachusetts	28	234	48.8	7	4	13	135	45		19				11				
Michigan	26	385	50.4		4	8	45	108	115	68				41				
Minnesota	6	38	49.1				9	29										
Missouri	12	67	50.8	17	5	8				13					5	6		
New Hampshire	3	116	53.5					2			13	106						
New Jersey	24	147	49.6		4	4	50	2	60	31								
New York	20	249	48.5		4	26	170	34	1	12				2				
Ohio	39	239	52.1	2	6	7	36	41	45	32	3			57	9			1
Oregon	10	81	47.8			12	69											
Pennsylvania	40	429	51.5	4	2	113	3	150	10	37	5			31	60	1		13
Rhode Island	11	231	50.2					212	19									
Tennessee	8	87	48.6		8		36	43										
Texas	11	102	49.6			16	50	15		15				6				
Washington	6	62	47.5		8		54											
Wisconsin	9	73	52.2			2			11	57				1	2			
Total	374	3,820	49.9	7	321	135	1,095	255	946	311	327		8	229	121	51		14
Machinists' and toolmakers' helpers, male:																		
Alabama	4	7	52.5						1	5				1				
California	18	135	46.0	74	4	37	8	12										
Colorado	2	16	48.1			3	13											
Connecticut	7	91	49.0			18	6		64		3							
Georgia	3	13	51.4					8		4								
Illinois	17	96	46.7	56		16	5	4		5	6			4				
Indiana	5	38	53.4					17		1				15			5	
Kansas	9	28	52.3		3		3		3		14						2	
Kentucky	3	5	53.9						2	3					3			
Louisiana	5	14	45.5	11	1						2							
Maine	2	9	50.0						9									

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Establishments	Employees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Machinists' and toolmakers' helpers, male—Continued.																
Maryland.....	5	37	48.3				31		6							
Massachusetts.....	15	50	48.5	1	1	5	23		18		2					
Michigan.....	20	233	50.9			2	36	14	85	60		36				
Minnesota.....	3	4	50.6					3			1					
Missouri.....	11	26	52.8		2	2	2			3	13				4	
New Jersey.....	16	62	49.5				30	1	20	11						
New York.....	15	183	47.9		15	76	60		29		3					
Ohio.....	20	74	50.6		1	9	6	6	28	2	2		17	3		
Oregon.....	10	52	47.9			5	47									
Pennsylvania.....	35	290	53.1		3		19	2	103	7	21	11	36	88		
Rhode Island.....	5	43	50.0						43							1
Tennessee.....	7	28	50.8		1		5		20				1			
Texas.....	9	56	48.9			5	41	1	1		8					
Washington.....	6	16	47.8		1		15									
Wisconsin.....	8	30	50.8			6			5	16			3			
Other States.....	2	5	53.2						1		4					
Total.....	262	1,641	49.8	1	168	133	380	56	476	114	83	11	113	94	11	1
Milling-machine hands and operators, male:																
Alabama.....	3	5	53.3							3	1		1			
California.....	8	27	46.9		9	2	9	5	2							
Colorado.....	2	6	48.1				3	3								
Connecticut.....	18	160	50.3			12	10		109		10		19			
Illinois.....	25	280	49.0		62		68	14	59	55	14		8			
Indiana.....	14	65	53.5						25	11			16	7	6	
Iowa.....	3	23	55.8				1				13				7	2
Kentucky.....	4	9	49.6		1		4						2			
Maine.....	3	27	49.1		4				23							
Maryland.....	4	30	48.4				28		1					1		
Massachusetts.....	32	339	48.8			31	156		140				12			
Michigan.....	24	138	51.8				15		63	3			54			
Minnesota.....	4	19	49.9					18						1		
Missouri.....	9	28	53.1				5				16			2		
New Hampshire.....	7	53	48.6				39		13		1					

New Jersey.....	18	68	49.0				34		34										
New York.....	19	497	48.0			179	263		32										
Ohio.....	66	433	50.2		9	33	119	72	74	5	8			1					
Oregon.....	3	7	47.8			1	6			44	12		2	56		11		7	
Pennsylvania.....	36	376	50.1			1	171	25	74	41	5		2	16		36		4	
Rhode Island.....	8	142	50.4						109	33									
Tennessee.....	4	7	48.9				4		3										
Texas.....	3	34	51.2					22						10					
Washington.....	4	18	47.3			12	1												
Wisconsin.....	16	137	52.5			9	6			31	65			22		6			4
Other States.....	2	2	55.8								1				1				
Total.....	339	2,925	49.7		89	280	942	162	794	261	81	4	217	65	24	6			
Planer hands and operators, male:																			
Alabama.....	4	9	54.0							2	4			3					
California.....	12	27	46.6		11	1	10	2	3										
Colorado.....	2	8	48.1				3	5											
Connecticut.....	14	146	50.6			8	8		98		20			12					
Illinois.....	27	148	48.9		52		13	13	21	28	10			8				3	
Indiana.....	12	45	52.0						27	11				1	4	2			
Iowa.....	2	4	51.5				2							2					
Kansas.....	2	4	58.5								1							3	
Kentucky.....	4	7	49.9			2	3							2					
Maine.....	3	12	49.5		2				7	3									
Maryland.....	2	12	48.0				12												
Massachusetts.....	32	210	49.0		1	5	13	71	112					8					
Michigan.....	18	110	52.0				16	7	34	3				49				1	
Minnesota.....	5	12	49.8					11					1						
Missouri.....	7	21	50.4			1	13						5					2	
New Hampshire.....	6	16	50.9				1		11		4								
New Jersey.....	20	82	48.2				58	1	20	2				1				1	
New York.....	20	181	48.6		1	43	99		22	1	14			1					
Ohio.....	63	421	50.7		5	41	119	39	44	35	57	1		55	19	4		2	
Oregon.....	2	2	48.0				2												
Pennsylvania.....	39	190	52.0		7	7	23		42	20	23	11		35	18	2		2	
Rhode Island.....	8	33	50.4						25	8									
Texas.....	3	6	50.9				2	2	1					1					
Washington.....	4	17	47.8			4	13												
Wisconsin.....	14	113	52.0			12			19	61				15	5				1
Other States.....	2	2	49.8						1	1									
Total.....	327	1,838	50.2	1	83	132	468	81	487	174	139	12	192	46	18	5			
Screw-machine hands and operators, male:																			
California.....	4	19	48.7				5	13	1										
Colorado.....	2	2	48.1				1	1											
Connecticut.....	10	38	50.3			4			25		6			2					
Illinois.....	16	128	48.3			34		41	3	25	20	2							
Indiana.....	10	57	53.8						13	3				40	1				
Iowa.....	2	11	54.6								4			7					
Kentucky.....	4	5	50.4		1		1		1					2					

TABLE D.—AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK IN 22 SPECIFIED OCCUPATIONS, 1925, BY SEX AND STATE—Continued
MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average full-time hours per week	Number of employees whose full-time hours per week were—												
	Estab-lish-ments	Em-ployees		Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Screw-machine hands and operators, male—Continued.																
Massachusetts.....	27	176	49.0			6	96		65		6		3			
Michigan.....	16	74	52.2				1	1	39				33			
Minnesota.....	2	11	49.4					11								
Missouri.....	6	13	53.8			1					11		1			
New Hampshire.....	2	17	49.4				13				4					
New Jersey.....	7	13	49.2				5		8		4					
New York.....	14	212	48.0		2	84	103		19	4						
Ohio.....	44	269	50.0		1	14	54	53	78	42		2	12	13		
Pennsylvania.....	21	212	49.2			1	117	16	59	4			8	7		
Rhode Island.....	10	94	50.7						59	35				7		
Wisconsin.....	13	102	52.1			8			22	52			13			
Other States.....	5	29	49.4				13		14		1		1			
Total.....	215	1,482	49.8		38	118	451	98	428	160	34	2	124	29		
Toolmakers, male:																
Alabama.....	2	2	52.5							2						
California.....	9	36	46.3		19		6	6	5							
Colorado.....	2	3	48.1				1	2								
Connecticut.....	16	107	51.0			6	3		68		6		24			
Georgia.....	5	6	52.9					1	2	1				1	1	
Illinois.....	26	198	50.8		21	1	18	9	52	59	15		23			
Indiana.....	14	124	52.6						51	26			41	6		
Iowa.....	4	27	53.9				1		1		17		8			
Kansas.....	2	3	46.7		1			2								
Kentucky.....	4	6	47.7		2		1		3							
Louisiana.....	2	2	52.0		1										1	
Maine.....	4	14	49.6		2				9	3						
Maryland.....	4	37	48.1				36									
Massachusetts.....	34	236	49.3		1	11	99		103		9		13			
Michigan.....	28	193	50.8				9	8	134	8	2		32			
Minnesota.....	4	21	49.9				2	2	16		1					
Missouri.....	10	32	52.7			2	8		32		18			3	1	
New Hampshire.....	4	29	48.8				23		3		3					
New Jersey.....	18	104	49.1				52		46	6						

New York	21	397	48.1	8	105	240	32	4	7	1						
Ohio	61	439	50.1		16	174	50	75	51	14	5	24	30			
Oregon	2	3	48.0			3										
Pennsylvania	35	243	49.4	1	1	127	19	55	16	10		14				
Rhode Island	10	124	50.5	1				84	39							
Tennessee	2	6	48.7			4		2								
Texas	4	10	51.5		3	1				6						
Washington	3	6	47.7			4										
Wisconsin	16	165	51.9		18			81	80			34			2	
Total	346	2,573	50.0		57	165	814	97	773	295	108	5	214	40	3	2

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE

FOUNDRIES

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																			
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.	84 hrs.	Over 84 hrs.
One-week pay period																							
Chippers and rough grinders, male:																							
Alabama	4	32	49.5		1	2	3	1															
California	6	26	49.9		1																		
Connecticut	16	131	48.9			2	7	1	3	11	2	10	18	5	27	24	14	6	1				
Georgia	7	50	57.4																				
Illinois	24	241	49.4	3	5	5	12	6	1			23	54	8	15	18	42	24	10	13		2	
Indiana	10	101	47.8	2	1	5	6	4	6			21		4	7	13	3	18	3	8			
Iowa	10	103	48.8	3	3	7	5	3	5	2		19		1	3	3	13	19	2	15		2	
Kansas	6	19	50.9		1							7			1			2	2				
Kentucky	7	15	51.9				1			2		2		1	2					3			
Louisiana	3	34	40.7	1				13		5		1								1			1
Maine	4	57	38.2	2		1	3			4	5	5			2			1					
Maryland	7	39	51.2		1		1		2			4			10	6	5	4	2	4			
Massachusetts	21	373	44.4	9	33	23	22	21	6		28	77	23	7	23	37	60	7		2			
Michigan	25	284	46.5	8	11	9	27	8	15		49	16	14	38	23	15	17	4	25	5			
Missouri	13	64	51.1	1			5	8	6	3		5		2	1		15	9	13		5		
New Hampshire	7	23	44.6			1	3	4				2		7	1	2							
New Jersey	17	185	47.7	2	1	6	11	29	6	6	31	1	1	11	25	14	32	2	7				
New York	22	324	47.6	6	5	4	30	9	17	5	95	30	14	18	17	12	32	4	22	4			
Ohio	24	198	49.6	5		6	6	12	4	6	11	8	31	10	39	20	24	5	9		1		1
Oregon	3	16	47.5								3	11	1										
Pennsylvania	17	129	46.0	2	2	3	31	5	2		30	3	6	5	10	2	18	2	2	1	5		
Rhode Island	8	159	49.5	1		2	2		14	2	53	3	1	12	37	1	21	3	5	1			1
Tennessee	6	61	45.2	4	1	3	3	6	2		2	13	1	7	4	1	10	5		4			
Texas	8	37	51.9				2		2		3			1	4	12	5			2			
Wisconsin	3	25	48.0	1	2				1		3				4		2			5			
Other States	2	23	34.2	2	2	6	8				1					3	1						
Total	280	2,754	47.5	52	70	88	231	128	104	37	408	253	127	185	239	213	348	37	157	6	18		3

Core makers, male:																						
Alabama.....	5	21	46.4	1		2	1		3		2		1		3	8						
California.....	7	32	42.3		2		3	4				3		11	4							
Connecticut.....	16	103	47.4	3	1	2	3	4	10		19	8	1	22	4	8	14	2	2			
Georgia.....	8	22	53.4				1	1			21	3	1	3			10					
Illinois.....	24	203	47.2	1	3	6	17	5	10	5	21	52	4	9	16	23	26	3	2	2		
Indiana.....	10	115	45.8	1	1	5	6	30	2	1	15	8	4	4	13	10	13		2	2		
Iowa.....	11	57	49.7			2	2		2		5	5	3	5	3	14	9	8	2			
Kansas.....	4	9	54.6								4					2			1			
Kentucky.....	4	8	48.9				1				3	1			1		3				1	
Louisiana.....	3	11	47.8			1	2		1	4												
Maine.....	4	12	40.8				6		1	1	1		2		2						3	
Maryland.....	7	38	46.1		1	1	5		1		11	6	2	4	3	4						
Massachusetts.....	21	155	44.9	4	3	1	13	14	3	1	16	71	4	12	1	4	5		3			
Michigan.....	29	249	47.2	5	4	3	24	7	24	2	40	15	16	38	21	6	22	2	16			
Missouri.....	12	56	45.8		1	1	8		3		3	4	7	5	2	11	4				4	
New Hampshire.....	7	12	42.7				1	5	1	1	1	3				1						
New Jersey.....	16	98	45.4	4		2	12	3	2	1	20	7	14	11	6	13	3					
New York.....	23	221	45.1	3	5	5	27	24	24	4	24	21	13	15	21	29	6		4			
Ohio.....	23	177	45.6	3	1	4	19	28	4		9	38	17	13	16	7	14	1	4			
Oregon.....	4	9	46.2								5	1	2			1						
Pennsylvania.....	17	201	46.1	1	3	6	33	9	3	3	44	2	5	29	34	3	18		7		1	
Rhode Island.....	8	73	45.6		2		6		1		41	1	1	15	4		2					
Tennessee.....	7	22	43.1		1		6				2	3		7	3							
Texas.....	9	23	47.1	1		1	6		3	2	1			6	2	2	2					
Wisconsin.....	3	23	49.4				1		3		3	1	1		13		1					
Other States.....	2	14	39.6			9	1									3			1			
Total.....	288	1,965	46.2	27	30	52	195	146	101	28	288	260	99	197	171	140	165	11	49		6	
Core makers, female:																						
Illinois.....	3	62	46.0			2	8		1		4	44		1		3						
Kentucky.....	2	3	51.3											2								
Michigan.....	8	39	44.6	1		2	4		5		12		1	5	7	2						
New Jersey.....	3	31	41.9		2	1	3	1			19			3								
New York.....	7	62	37.5	1	2	3	24	10	8		11					3						
Ohio.....	2	5	39.2			1	1															
Rhode Island.....	3	14	42.1			4	2				2			1	2	3						
Wisconsin.....	2	2	49.8								1					1						
Other States.....	4	34	42.5		1		5	6	4	2	12	3	1									
Total.....	34	252	42.5	2	5	13	47	17	18	6	61	47	3	11	14	8						
Laborers, male:																						
Alabama.....	5	54	52.2	1	2		3		2		5		1	6	9	13					1	
California.....	5	60	43.9	1	4	4	4	2		3	1	16	9	15								
Connecticut.....	16	403	50.1	1	3	6	18	13	32	5	49	13	5	98	24	47	4	38				
Georgia.....	10	127	49.3	8	13	5	4	2	3		4		5	1	14	10		1	4			
Illinois.....	24	813	49.6	8	10	23	27	20	19	4	82	224	30	29	62	86	101	28	46			
Indiana.....	10	352	48.2	4	4	14	20	27	19	4	59	5	3	48	37	13	55	17	22			
Iowa.....	11	279	50.8	10	9	12	13	2	2		28	2	6	8	21	44	56	6	27			
Kansas.....	6	31	46.5	1	4	2	1				4			1	1	11	2		2			

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																	
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.

One-week pay period—Continued

Laborers, male—Continued.																						
Kentucky	6	38	49.7	2	5	2	4	4	3	4	1	1	5	11	3	11	1	1	1	1	1	1
Louisiana	4	54	48.6	1	2	2	13	9	3	3	1	1	3	6	3	3	3	8	1	1	1	1
Maine	3	33	44.0		2	2	5	1	3				15	2	2	15	9	2				
Maryland	7	94	48.6	5	2	2	1	17		17	1	4	15	2	2	15	9	8	2			
Massachusetts	21	687	46.3	11	16	51	65	39	12	2	42	143	18	27	39	86	91	9	36			
Michigan	26	931	49.7	29	33	27	48	8	55	9	100	15	34	185	76	33	75	27	128	4	38	7
Missouri	12	170	44.3	3	8	3	5	35	6	4	1	14	13	4	8	12	28	12	2	10		
New Hampshire	7	67	43.5	2	2	2	3	2	14	5	1	5	18	5	2	4	1	1				
New Jersey	18	653	51.4	13	15	15	32	6	17	2	77	10	18	30	103	88	102	12	102	10	10	1
New York	23	975	48.0	28	26	27	63	14	38	4	185	68	26	68	148	51	135	23	60	4	6	1
Ohio	23	627	48.9	18	17	27	42	31	22	4	32	28	74	20	53	53	85	40	70	10	10	1
Oregon	4	35	46.9	1	1		1	1	9	4		9		9		1						
Pennsylvania	18	457	47.3	6	9	14	71	9	9	5	70	11	15	50	75	4	75	10	21	1	2	
Rhode Island	8	252	49.0	2	4	9	8	2	8		9	1	2	33	42	18	18	24	1	4	4	
Tennessee	5	81	53.7	1	1	5		1	3		9	18		5	7	1	6	1	11	1	8	4
Texas	6	51	54.7		1	3		3			4		1	1	12	7	11		1	7	7	
Wisconsin	3	75	57.2	2	1	2	2		1		2		1	2	2	14	4	13		16	6	5
Other States	2	37	41.9	1	6	13		1	1	1		3			6	5	1					
Total	283	7,436	48.9	161	186	269	211	295	59	397	590	274	633	802	552	947	199	686	21	129	7	23
Molders, hand, bench, male:																						
California	6	23	43.1		1	1	5	3			9	2			1							
Connecticut	15	103	45.8		1	3	5	4	16		19	15	1	32	7							
Georgia	7	43	42.6	1	1	1	7	8	3		2	11	1	4	2	1						
Illinois	22	126	46.4	4	3	14	1	5	5		23	18	5	2	22	16	1	6	1			
Indiana	9	58	43.3	1	2	1	6	17	1		9		3		3	10	5					
Iowa	8	49	46.4	2	1	4	3		1		11	2	2		1	14	3	2	3			
Kansas	5	12	51.6		1						3				1	1	3		1	1	1	

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																	
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.

One-week pay period—Continued

Molders, machine, male:																							
Connecticut.....	8	101	44.5	1	5	8	1	5	3	47	1	28	1	1	1	1							
Illinois.....	11	229	50.2	1	3	5	1	6	3	34	93	1	2	27	8	21	9	19					
Indiana.....	10	227	40.2	8	6	11	25	73	17	37	1	13	2	12	11	5	1	1					
Iowa.....	7	71	46.2		3	6	4	2	2	24		1	2	1	9	12	2	3					
Kansas.....	2	7	54.0												7								
Kentucky.....	3	6	44.8			1	3							1							1		
Maine.....	2	41	34.4	3	1	4	29			3							1						
Maryland.....	5	26	48.6				1				1		3		8	1							
Massachusetts.....	16	248	40.5	9	20	18	32	5	25	6	26	34	10	4	4		1						
Michigan.....	17	316	45.4	4	8	7	30	16	26	3	45	14	8	117	13	4	16		5				
Missouri.....	4	27	50.3				1				12	3			4	7							
New Hampshire.....	3	17	44.7			1	2			3	11												
New Jersey.....	13	171	44.4	10	7	9	8	14	4	1	34	1	7	9	15	20	18	5	9				
New York.....	16	261	44.1	3	6	12	32	41	14	2	40	7	15	9	49	5	22	2	2				
Ohio.....	11	94	45.3	1	3	6	10	1	3		5	18	15	1	25	3			1				
Pennsylvania.....	13	161	41.1	7	5	9	37	29	3		24	3	11	1	7	3	21		1				
Rhode Island.....	8	131	46.2	1	1	1	10		10		59	2	4	7	31		5						
Tennessee.....	2	3	32.5			1	1		1														
Texas.....	3	21	47.5		1	1	2		1		3			1	1	10	1						
Wisconsin.....	3	57	47.6	2	2	3	5		1	2	4		2	2	16	1	15		3				
Other States.....	4	36	46.4		2	3	4	3			1	1	2		6								
Total.....	161	2,251	44.3	50	65	101	249	190	118	18	413	239	88	188	209	98	159	20	45		1		
Molders helpers, floor, male:																							
Alabama.....	5	71	49.6	2	3	2	6		2		7		2	6	2		26	3	9			1	
California.....	6	39	49.9				1		4		4	8	5	4	8		1		4				
Connecticut.....	13	169	48.8		1	7	7	3	13		29	17	13	33	14	4	10	3	12		3		
Georgia.....	9	119	51.5	6	4	2	5	4	2		1	4	4	3	12	6	20	8	30		1		

Illinois.....	16	116	47.6	1	3	2	18	7		17	1	8	9	5	25	8	5	7					
Indiana.....	6	39	42.5	3	2	2	1	5	11	1				7	7	3		4					
Iowa.....	6	16	48.1		1					1	1			4	3	5		5					
Kansas.....	4	14	52.2							4				2	3	2		2			1		
Kentucky.....	8	28	41.2	5	3		1		4	3	1			1	2	2		2			6		
Louisiana.....	4	48	42.8	5	1	2	2	8	5	9		3		1	2			2				4	
Maine.....	2	5	36.3	1					2	1				4									
Maryland.....	3	11	47.9						1	1					3	1							
Massachusetts.....	16	86	44.5	2	2	4	12	9	5	9	12	5	1	5	17			3					
Michigan.....	18	212	47.0	9	11	11	13	4	8	31	31	4	4	17	16	18	1	26			8		
Missouri.....	9	70	47.3	1			10		9	9	4	4	9	5	9	5		4					
New Jersey.....	15	187	50.4	5	4		15		7	25		4	25	18	16	37	1	30					
New York.....	15	145	47.5	4	2	1	7	14	10	5	23	10	8	5	6	19	21	1	9				
Ohio.....	15	150	48.7	8	5	5	14	4	5	5		9	8	23	24	24	4	15			2		
Oregon.....	3	12	47.6							2	2	3		4									
Pennsylvania.....	9	82	48.5		1	3	5	3	2	19	1	3	1	32	2	6		2			1		
Rhode Island.....	4	28	48.1				1	1	1	2	13	1		1	3			3					
Tennessee.....	7	88	49.8	1	1	2	4	2	4	1	8	15	8	9	7	2	6	2			8		1
Texas.....	9	98	49.9	1		6	6		2	9		7	1	22	19	17		8					
Other States.....	2	15	40.6			3	6		1	1				4				8					
Total.....	204	1,843	48.1	49	44	52	137	64	98	29	230	111	90	117	202	171	215	28	183		22		1
Pattern makers, male:																							
Alabama.....	5	20	48.8	1			1		1	1				3	6	5	2						
California.....	4	14	48.9			1	1		7		5												
Connecticut.....	11	81	49.8		1		1	1	1	19	13	2	22	2	1	7		11					
Georgia.....	11	23	50.6				1		1	3	4		5		3			1					
Illinois.....	22	82	50.3				1	1	8	1	5	11	17	13	6	12	2	5					
Indiana.....	10	63	47.5	2			2	1	8	1	1		5	26	11	6	6						
Iowa.....	6	16	48.4				2			2	2			2	2	7	2						
Kansas.....	6	7	53.3				1			1	1		1	1	1	1		1					
Kentucky.....	5	10	45.6						1	4													
Louisiana.....	4	14	43.4						3	3	3			2	2	1							
Maine.....	4	17	51.3	3		1	1		1	2					1						3		
Maryland.....	6	14	50.4						1	2													
Massachusetts.....	17	127	45.3		12	2	9	2	9	25	17	12	18	5	2	2	6	7					
Michigan.....	21	109	46.9	2	3	4	3	1	3	11	5	14	24	14	2	17	5	2					
Missouri.....	9	31	46.5				4	9	2	3				3	5	3		2					
New Hampshire.....	5	14	48.7						1	4	3			2	4								
New Jersey.....	17	108	46.2	1	3	2	4	2	7	28	20	5	13	14	2	3		4					
New York.....	21	178	50.1	2	2	3	4	1	5	41	25	4	30	20	5	9		6			20		
Ohio.....	17	132	49.1	1	3	9	9	3	2	2	35	12	2	4	1	20	24	2					1
Oregon.....	3	5	44.2						2	2													
Pennsylvania.....	18	89	48.9				6	4	8	1	3			25	5			15			2	6	
Rhode Island.....	8	53	48.2			2	1		2	1	6			9									
Tennessee.....	6	12	48.5							1	1			4	1	5							
Texas.....	9	23	48.4			1	2		2		6			4	1	2					1		
Wisconsin.....	2	22	52.3			1			1		1			10		8					1		
Other States.....	2	14	48.0								14												
Total.....	249	1,278	48.3	12	27	31	50	33	53	85	173	168	89	226	117	50	115	32	63		3		1

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																				
	Estab-lish-ments	Em-ploy-ees		Under 32 hrs.	32 and under 48 hrs.	48 and under 64 hrs.	64 and under 80 hrs.	80 hrs.	Over 80 and under 88 hrs.	88 hrs.	Over 88 and under 96 hrs.	96 hrs.	Over 96 and under 100 hrs.	100 hrs.	Over 100 and under 108 hrs.	108 hrs.	Over 108 and under 120 hrs.	120 hrs.	Over 120 and under 144 hrs.	144 hrs.	Over 144 and under 168 hrs.	168 hrs.	Over 168 hrs.	
Two-week or half-month pay period																								
Chippers and rough grinders, male:																								
California	6	52	102.1	1	1	1	1	1	3	6	7	22	4	4	19	1	2	3						
Colorado	2	29	108.7	1	3	5	6	1	4	1	6	21	23	1	16	2	3							
Illinois	6	97	101.2	3	3	1	1	1	1	1	1	1	17	1	17	1	2	4						
Indiana	3	27	113.2	1	1	1	2	1	1	1	1	2	14	1	17	1	17	4						
Iowa	2	39	113.4	1	1	2	1	1	1	1	1	1	7	5	17	1	17	4						
Kansas	2	15	107.1	1	1	1	1	1	1	1	1	1	5	6	23	1	2	2						
Michigan	9	120	93.9	10	2	4	9	4	7	13	1	13	19	9	34	4	23	2						
Minnesota	6	68	102.3	3	3	1	1	1	3	2	1	1	9	2	3	6	3	3						
Missouri	2	7	97.7	1	1	1	1	1	1	1	1	1	5	1	3	1	3	4	1					
Ohio	21	300	99.9	8	5	11	37	11	11	18	3	18	8	24	32	39	39	4	1					
Oregon	3	5	79.9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
Pennsylvania	22	400	99.8	9	9	21	33	1	17	2	43	5	36	10	54	7	58	10	1					
Washington	6	29	84.2	1	1	4	7	1	1	1	3	3	10	1	10	1	10	5	31	2				
Wisconsin	11	157	98.2	12	3	12	9	1	3	9	1	1	2	19	48	5	31	2						
Other States	2	11	94.4	1	1	2	2	1	1	1	1	1	1	1	5	1	1	1	1					
Total	103	1,356	99.9	51	28	60	107	19	50	6	98	21	80	27	186	39	302	57	192	29	2	2	2	2
Core makers, male:																								
California	6	41	96.9	1	2	2	2	1	4	4	4	12	5	3										
Colorado	3	24	89.0	1	4	2	1	1	1	1	2	9	1	2	5									
Illinois	6	35	95.7	1	3	1	1	1	8	5	1	8	2	2	5									
Indiana	3	30	113.8	1	1	1	1	4	1	1	1	2	12	10										
Iowa	2	35	115.2	1	2	2	1	1	2	2	6	12	10	3										
Michigan	10	96	98.2	1	3	4	5	13	1	20	7	4	9	14	5	8	2							
Minnesota	6	58	109.3	1	2	2	1	1	1	3	8	1	11	1	14	1	8	1						
Missouri	2	7	85.0	1	1	1	1	1	3	3	2	2	2	3										
Ohio	22	231	100.6	2	5	9	18	2	20	13	3	16	1	42	16	40	9	32	3					

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																					
	Estab-lish-ments	Em-ploy-ees		Under 32 hrs.	32 and under 48 hrs.	48 and under 64 hrs.	64 and under 80 hrs.	80 hrs.	Over 80 and under 88 hrs.	88 hrs.	Over 88 and under 96 hrs.	96 hrs.	Over 96 and under 100 hrs.	100 hrs.	Over 100 and under 108 hrs.	108 hrs.	Over 108 and under 120 hrs.	120 hrs.	Over 120 and under 144 hrs.	144 hrs.	Over 144 and under 168 hrs.	168 hrs.	Over 168 hrs.		
Two-week or half-month pay period—Continued																									
Molders, hand, floor, male:																									
California.....	6	95	94.2	2	4	5	3	12	17	7	10	21	4	7	2	4	7	2	2	1					
Colorado.....	3	45	89.4	2	2	5	2	3	4	7	7	12	4	5	4	5	1	2	2						
Illinois.....	6	67	97.5	1	2	2	2	13	2	12	1	15	1	9	2	1	9	2	2						
Indiana.....	3	82	95.0	4	2	4	7	7	6	1	6	12	2	8	2	22	1	8							
Iowa.....	2	73	108.4	3	3	2	7	1	3	1	1	16	17	27											
Kansas.....	2	20	104.1	1	1	1	2	1	1	1	2	2	8	8	8	8	8	4							
Michigan.....	6	78	94.7	1	4	2	7	9	2	1	10	6	8	9	8	4	4								
Minnesota.....	6	77	100.2	1	2	3	7	5	1	13	2	8	2	8	2	24	2	5	1						
Missouri.....	2	15	102.2									1	5	1	1	1	73								
Ohio.....	22	446	97.0	12	7	22	59	3	34	6	24	8	20	3	84	17	56	13	73	5					
Oregon.....	4	18	81.8	2		1	1	1	3	8		3													
Pennsylvania.....	23	512	94.0	6	18	20	38	58	18	79	9	19	11	109	8	80	2	34	3						
Washington.....	6	57	92.2	2	1	5	7	3	5	1	2	27	2	2	2	2	14	9							
Wisconsin.....	10	113	98.6	5	2	6	4	6	10	1	7	4	17	1	27	3									
Other States.....	2	14	103.6	1								6													
Total.....	105	1,712	96.2	43	46	73	126	33	135	32	176	46	86	28	339	51	262	41	181	13	1	1	1	1	
Molders, machine, male:																									
California.....	4	11	116.0				1	1	1			3						4							
Colorado.....	2	7	104.7							1		5				11									
Illinois.....	3	38	111.3			2	4	1			3	3						12			1			1	
Iowa.....	2	15	106.5			1	1	1			1	2						1							
Michigan.....	7	94	99.1	5	5	2	2	5	10	3	15	4	5	13	4	21									
Minnesota.....	6	37	103.2			1	2	1	8		2	9		5	4	5									
Ohio.....	13	241	85.9	13	13	16	56	2	7	15	1	30	2	15	36	7	16	12							
Pennsylvania.....	18	261	97.8	4	5	8	20	29	12	37	10	22	4	69	3	40	2	16			2		7		

Wisconsin	9	144	87.2	16	11	8	8	1	6	2	7	1	1	1	18	2	59	1	2				
Other States	4	11	101.0				1					1		2	5	1			1				
Total	65	889	94.3	39	34	38	94	5	49	14	78	15	61	24	133	47	137	28	80	2	9	2	
Molders' helpers, floor, male:																							
California	6	50	110.8			1	3		1		4	1	6	2	9		12		5		5	1	
Colorado	3	57	86.3	3	4	3	7		4		2			2	5	1	16		4		6		
Illinois	3	34	101.2	1		2	1		1	1	3	8		1	8		1		4		3		
Indiana	3	35	83.7	4	3	2	3		6		2		1		1	8		4		1			
Iowa	2	24	84.8	2	1	2	1				1	1			7				5				
Kansas	2	6	114.5													2			1				
Michigan	6	63	97.7	3	1	2	1	6	3		5	1	4	1	16		3	4	1				
Minnesota	5	41	80.3	2	1	4	6		1		4		4		8		7		9				
Missouri	2	11	92.6	1		1							2		1	4	8		2				
Ohio	14	97	92.0	11	3	8		2	4	1	6	1	3	2	4	3	19	1	17	2	1		
Oregon	4	9	79.5	1			2		1		3				2						2	1	
Pennsylvania	18	308	97.1	12	4	13	14	2	23	11	59	1	23	4	52	7	50		20		9	1	
Washington	4	20	95.6	1			2		1		1			1	14		1		6			3	
Wisconsin	7	20	104.8	1		1			1	1	1				4		3		4				
Other States	2	24	90.5	4	1		1		1	1	2				3		5	2	4				
Total	81	799	96.3	46	18	39	49	10	47	15	93	13	45	13	133	19	137	9	81		26	2	4
Pattern makers, male:																							
California	5	25	94.8		1				3		10	2	1		8								
Colorado	2	6	87.1				1		4						1								
Illinois	4	13	112.5										1		3	2	3		4				
Indiana	3	24	103.3				2		1			1	2		4	7	6		1				
Iowa	2	7	121.5								1							2	4				
Kansas	2	3	114.2													2			1				
Michigan	10	76	99.9	3	1	4	3	2	2		7		6	5	10		17	5	11				
Minnesota	5	42	99.5	1		1	2		2		6		2		16	5	6	1					
Ohio	20	85	104.0	1	1	1	6	1	2		12		6	3	17	1	13	8	13				
Oregon	3	6	83.7			1	1				1	2	1										
Pennsylvania	23	197	115.2	2	1	4	3		6		15	2	6	13	22	5	48	1	39	1	23	6	
Washington	5	12	75.7	3								4		1	4								
Wisconsin	10	44	111.7								4	1			10		17	4	8				
Other States	3	9	102.6									2		5			1		1				
Total	97	549	106.7	10	4	11	18	3	20		56	14	25	27	95	22	111	21	82	1	23	6	

GENERAL TABLES

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																			
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.	84 hrs.	Over 84 hrs.
One-week pay period																							
Assemblers, male:																							
Alabama	6	26	52.0			2					1	1		2	8	2	8	1		1			
Connecticut	17	524	49.6		4	6	8	4	15	2	45	39	51	262	18	3	36	6	24				1
Georgia	3	14	46.4	1		2	1			1					1	1	6		1				
Illinois	26	599	48.0	5	4	9	16	11	37	9	33	170	56	132	60	21	34		2				
Indiana	8	242	49.8	4	1	4	2	4	15	1	17	1	10	88	35	1	49	3	7				
Iowa	3	42	54.9						1		5			2	6	10	8	2	8				
Kentucky	2	7	51.2		1									2		3		1					
Maine	3	52	52.0				14		1	12	13			12					1				
Maryland	6	54	46.4	1		2	3		2	3	4	19	3	6	11								
Massachusetts	34	865	49.3	4	15	9	41	12	41	17	126	142	39	141	68	21	113	6	60	2	8		
Michigan	15	368	49.8	2	3	3	12	1	9	9	21	7	28	179	12	1	69	1	11				
Missouri	9	166	51.0	2	1	6	4	2	4	3	4	29	3	4	78	10	1	14		1			
New Hampshire	5	88	47.5		1		8		2	1	7	45	3	5	5	9	1	1					
New Jersey	19	461	49.5	5	16	12	24	4	26	4	44	77	12	58	48	7	47	13	56	2	6		
New York	18	866	47.4	6	13	21	41		34	12	213	314	12	45	59	15	56	4	21				
Ohio	42	937	49.2	9	9	16	39	8	39	10	115	163	38	144	95	8	198	4	38		4		
Oregon	2	3	42.8						1					1									
Pennsylvania	11	230	49.1		1	1	6	3	22	2	18	4	57	85	5	3	9	4	9		1		
Rhode Island	5	157	49.8				1		4		9		6	114	23								
Washington	2	15	45.3				1	3				6	1										
Other States	2	44	51.2	2	2		1		1		3		4		3	1	27		3				
Total	238	5,760	48.9	41	71	93	222	53	254	86	682	1,018	320	1,277	461	181	674	45	256	5	20		1
Boring-mill hands and operators, male:																							
Alabama	3	9	43.1	1	1	1								2	2	1			1				
California	4	33	42.9	1	1	2	1	1		11	5			9		2							

116 WAGES AND HOURS—FOUNDRIES AND MACHINE SHOPS

Connecticut	16	127	50.7		4	2	3	1	7		8	5	9	47	9	5	16	2	4			2			3		
Georgia	6	11	49.1			1			1		2			2	3		1		1								
Illinois	25	195	49.1	3	2	3	8	3	3	1	10	47	32	15	19	15	15	8	7								
Indiana	13	55	50.2				2				6	1	1	27	6	9	1	1									
Kentucky	5	7	49.0		1					1	1	1	1	1	1	1	1										
Maine	2	7	47.1							5	1																
Maryland	7	7	48.5							3																	
Massachusetts	25	133	45.9	1	2	4	12	1	14	24	24	13	2	11	3	1	1	7									
Michigan	12	88	51.5		3		1	1	4		10	10	2	31	4	23	1	13									
Missouri	8	40	49.6				2	2	5		2	6	3	3	7	5	6										
New Hampshire	3	10	46.1				1				2	3	2		3	3											
New Jersey	19	58	47.0	2			1	1	10		3	11	7	7	6	1	4										
New York	20	207	47.2	4	6	2	9	3	10		58	41	5	19	19	8	13	1	9								
Ohio	36	214	48.1	1	4	4	10	3	14	5	26	46	26	14	13	45											
Oregon	2	5	46.6								1																
Pennsylvania	18	136	50.5	1	1	1	9	2	2		20		3	31	24	9	19										
Rhode Island	5	31	49.0			1	3							14	8		1										
Tennessee	3	4	45.8				1					2		1													
Texas	5	9	51.4						1					3	2		3										
Washington	2	12	47.8					1				7	4	3													
Other States	4	25	57.9	1										2	2	5	5	2	3				3		1		
Total	239	1,430	48.7	15	25	26	62	21	67	49	181	186	102	235	129	58	179	16	70				5		4		
Drill-press hands and operators, male:																											
Alabama	6	25	48.1		1	1	3				1		1	10	2	5											
California	7	43	44.8				2	3		26	3	3		3													
Connecticut	18	159	49.2	2	1	2	6	13		13	10	14	15	64	3	4	12							9	4		
Georgia	6	17	47.9	1			1	2		2	2		1	6	1	2											
Illinois	26	556	47.4		7	10	22	10	24	68	29	139	34	71	54	20	41	2	18								
Indiana	12	213	51.0	1	7	4	8	3	3	2	24	12	13	28	25	1	44	17	18					3			
Iowa	2	70	52.9			2	3				6	1		2	1	4	25	16									
Kansas	2	7	50.1								1		1														
Kentucky	8	15	44.0	1			2		1	1	3			6	1												
Louisiana	2	6	52.5								3			1										1			
Maine	3	38	39.5				23		4	6	1			4													
Maryland	4	26	48.5								12																
Massachusetts	36	466	47.4	6	10	6	52	4	49	19	60	46	28	61	20	6	52	2	45								
Michigan	17	205	49.6	5		4	6	6	1	13	6	2		61	8	2	45		20								
Missouri	6	75	50.7		1		1	7		2	2			4													
New Hampshire	6	62	48.2	1	1		9				3	12	4	4	4	14	9							1			
New Jersey	25	145	47.4	2	3	3	5		17	1	15	24	9	40	9	4	8		4					8			
New York	20	448	46.1	4	8	14	36	4	29	8	76	159	10	32	43	7	14	2	2								
Ohio	40	397	46.9	9	9	13	20	6	21	4	63	77	27	63	24	5	45	1	20								
Oregon	4	11	47.1						1	1	6			1													
Pennsylvania	21	340	49.2	4	8	6	11	4	34	2	29	2	24	108	34	6	33	1	34								
Rhode Island	10	150	49.2	1		3	1		2		14	1	12	70	41										1		
Tennessee	4	8	42.8				1				1	2		2											1		
Texas	10	75	48.7	2	2	1	3		4		5	9	3	10	7	8	20		1					1			
Other States	2	30	50.4	1	1		2	2	2		2	3	2		3		2		8					2			
Total	303	3,590	48.0	48	59	69	217	44	222	150	390	525	202	626	303	144	355	32	194				10				

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

118

WAGES AND HOURS—FOUNDRIES AND MACHINE SHOPS

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																				
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.	84 hrs.	Over 84 hrs.	
One-week pay period—Continued																								
Fitters and bench hands, male:																								
Alabama	4	12	49.0	1																				
California	7	166	43.7		3	1	10	8	6	111	6	8	2					10	1					
Connecticut	10	97	51.2		2	1	2		1	1	5	13	15	24				4	2	8		10	1	3
Georgia	2	6	43.4		1				1									1						
Illinois	20	504	46.7	7	6	14	16	6	47	91	35	69	38	26	83	31	30	2	3				1	
Indiana	13	270	50.1	3	3	3	5	3	9						103	30	1	44	5	13				
Iowa	3	6	50.8					1				1						3	3	1				
Kansas	3	26	53.9							2					4	18			1	1				
Kentucky	3	52	44.9	2	2	1	3	1		5	3	26	1	3				1		4				
Maine	3	54	47.3		1		2	1	7	2	9	4			22			6						
Maryland	3	15	47.9								4	10			1									
Massachusetts	33	673	46.4	5	8	10	71	2	95	7	106	123	34	89	39	9	48	8	14					
Michigan	19	302	48.2	2	4	11	20	3	10	13	17	15	8	81	58		55	3	2					
Missouri	9	57	51.3		1	1	1		5	1	3	4	3		2	26	9	1	1					
New Hampshire	7	133	42.9	1	1	24	18		4		6	43	6	12	6	2	4		1					
New Jersey	25	309	47.8	2	3	5	17		33	1	37	80	11	61	19		6	13						
New York	19	1,332	47.0	4	14	28	71	1	68	22	498	430	23	19	49	23	52	1	29					
Ohio	38	673	46.9	7	10	9	36	10	14	4	124	245	62	45	46	5	46	1	8				1	
Oregon	2	10	46.2	1							1				4			1						
Pennsylvania	21	735	50.2	5	7	13	36	5	66	8	87	8	34	95	119	5	183	3	59			1		1
Rhode Island	10	378	48.7	1	4	5	22		7		14	4	18	207	80	6	7	1	2					
Tennessee	4	27	45.0						1			16	1	1	1									
Texas	8	87	49.3	3	2	4	3	1	2		2	3	5	14	4	4	37		2			1		
Washington	2	43	46.8	1			1	4	1		6	13	3	1	6		1		1					
Other States	2	15	49.0		1				1		2	2		1	5		2		1					
Total	275	5,982	47.6	45	73	130	341	47	378	271	1,002	1,133	276	788	595	136	562	31	160	1	7			1

Grinding-machine hands and operators, male:																					
Connecticut	17	116	51.6	1	1	1	1	2	1	3	7	11	43	11	3	22	6	4			
Illinois	16	319	48.4		3	3	15	10	12	23	16	78	11	45	57	19	22	4	1		
Indiana	8	88	53.3		1		6		2	1	6	1	13	6	1	25	11	11	1		
Iowa	2	23	47.8	2					2		2			6	4	4	2	1	1		
Kansas	2	2	59.5									1						1	1		
Kentucky	2	2	56.3										1					1	1		
Maine	2	43	37.5	1	1	1	29	1		6	6		4								
Maryland	4	22	49.8		1	1	1	1	1	1	1	6				10	1	1	1		
Massachusetts	31	174	47.9	2	2	5	19	2	20	2	24	25	5	15	7	3	24	1	16	2	
Michigan	13	46	47.8	2	2	1	1	1	4	4	3	3	3	25	2	1	1	3			
Missouri	7	18	50.6	1					1	1	1	1		1	2	10	2				
New Hampshire	4	24	47.1				2			1	2	15	2	1	1	1					
New Jersey	10	43	47.6	1	3	3		3	2	2	7	4	2	9	2	1	3	2	4		
New York	17	227	46.3	1	3	7	16	1	19	1	47	98	6	7	8	3	5	1	4		
Ohio	37	154	47.3	1	2	4	9	1	9	1	22	35	10	35	12		8	6	6		
Pennsylvania	18	118	48.1	2	3		8		30	8	8	2	2	23	18	2	12	1	9		
Rhode Island	9	148	48.5	1	1		8	2	5	1	5	1	15	100	9						
Other States	4	17	52.2	2					2	2	1			1		4	2	5			
Total	203	1,584	48.1	10	19	30	115	22	104	37	154	270	71	322	141	47	142	24	69	7	
Laborers, male:																					
Alabama	6	40	50.5	1	1	1	1	1	1		3		1	2	11	1	13		2	1	
California	6	41	44.3		1	1	3		4	16	3	4	2	2	2						
Connecticut	17	312	50.3	4	5	1	10		8	1	18	29	30	109	30	5	34	4	26	3	
Georgia	9	58	51.7	1	2	3	1	1	1	5	5	1	7	11	1	16	1	7			
Illinois	27	962	48.1	15	13	17	28	8	33	105	60	137	48	157	153	90	68	12	17	1	
Indiana	13	388	51.8	2	6	4	2	2	8	3	22	8	11	175	23	2	73	13	24	1	
Iowa	4	47	53.1	1	1	1	2	2	2	2	6	1		4	1	10	9	3	6	1	
Kansas	3	22	52.7	1		1				2	1		2	1	1			1	1	1	
Kentucky	7	33	48.0		1		2		2	4	1	8	1	13	2			2	2		
Louisiana	4	32	41.1	3	1	6	4	2		3	1		1	4			2	1	1		
Maine	4	59	44.0		1	1	12	1	3	9	12	2	2	12	3	1	1	2	3		
Maryland	8	79	49.3		1	2	6			3	7	19	3	6	9	3		1	1		
Massachusetts	38	955	47.8	14	16	25	85	12	66	85	115	128	48	119	75	21	16	4	72	7	
Michigan	18	437	47.7	8	9	5	12	48	11	23	31	27	119	33	14	80	2	10	2	1	
Missouri	11	97	51.1	1	2		2	6	1	2	5	8	8	3	37	18	2	2	2	1	
New Hampshire	8	55	44.0	1		11	8		1	2	3	6	3	4	4	10	2	2	2		
New Jersey	27	379	49.7	5	10	6	19	3	17	3	34	54	24	70	35	14	34	2	37	2	
New York	21	1,034	47.9	8	13	25	61	1	29	11	185	331	44	99	70	40	61	10	44	10	
Ohio	43	772	48.6	6	11	14	38	6	38	7	111	157	41	80	96	13	116	3	27	1	
Oregon	2	3	48.5								1		1	1							
Pennsylvania	21	775	46.8	19	6	15	43	10	63	5	86	9	21	198	87	9	138	19	46	3	
Rhode Island	12	354	52.3	3	5	3	9		11	15	9		21	118	69	13	41	2	51	4	
Tennessee	5	30	44.7	2	2	1	2		1		7	2	4	3	1	3	2	1	6		
Texas	11	80	48.6	6	1	4	7		3		1	8	4	4	10	5	15	1	6	8	
Other States	2	23	44.8	3	1			2			1	8	1		4		1	1	1		
Total	327	7,067	48.5	100	111	147	356	105	303	232	722	919	336	1,297	740	299	855	83	300	10	

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																				
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.	84 hrs.	Over 84 hrs.	
One-week pay period—Continued																								
Lathe hands and operators, engine, male:																								
Alabama.....	5	32	51.2	1			1							1										
California.....	6	107	45.1		1		2	8	2	68				7	4	2	3	14	10	5				
Connecticut.....	18	247	49.4		5	3	6	2	4	1	31	27	30	81	12	9	20	2	11		2			1
Georgia.....	5	23	51.0		1		1							5				10	3	3				
Illinois.....	28	558	48.6	5	6	7	23	8	26	48	32	66	63	96	80	44	43	1	10					
Indiana.....	13	183	49.7		2	3	2	4	6	4	14	3	8	42	8	4	22	4	7					
Iowa.....	2	30	49.7	1			2	1						5		3		6	4	7				
Kansas.....	4	19	56.5							1	1	2			2	7	1				3	1	1	
Kentucky.....	7	27	46.7		2	1			2	3		6			9	2	1					1		
Maine.....	4	67	40.7			2	32			1	14		10		5	3								
Maryland.....	5	49	42.2	3	5	1	2		2		8	16	1	4	2	4	1							
Massachusetts.....	33	534	48.1	4	2	16	61	5	43	29	45	50	36	80	19	12	67	3	50					1
Michigan.....	14	141	50.6	2	2	1	5		3	4	3	3	15	32	6	2	58		5					
Missouri.....	10	113	47.4		1	4	7	14	5	2	11	19	1		3	40	6							
New Hampshire.....	7	74	45.4	1		16	12		1		4	5		5	2	8	4	6	10					
New Jersey.....	25	220	47.4	3	4	5	14	2	13	2	23	52	11	41	16	5	20	3	6					
New York.....	21	516	47.7	1	6	15	19	2	27	14	147	123	20	50	25	15	39	2	11					
Ohio.....	41	497	47.0	11	6	5	25	2	22	11	103	138	41	28	32	1	63	2	7					
Oregon.....	-2	17	46.8				3				1	11	1			1								
Pennsylvania.....	20	407	49.5	3	4	4	25	5	18	14	55	4	16	101	57	11	56	2	29			3		
Rhode Island.....	9	174	48.7		1	2	9		5	1	11		7	98	39		1							
Tennessee.....	2	4	44.3			1						2				1								
Texas.....	7	79	51.6	1					4	1	4	7	7	6	9	4	36							
Washington.....	2	41	46.4	1			2	1	1	1	4	2	9									1		
Other States.....	2	18	49.5		1	1			1		3				9		2							
Total.....	292	4,127	48.1	37	48	88	250	57	186	218	523	560	276	690	356	183	463	25	154	3	8			2

Lathe hands and operators, turret, male:

Alabama	3	14	52.1					1					1										5	1	6										
California	6	23	47.4					1	3	1	14														2			2					1		
Connecticut	16	107	49.9		1					1	2	6	13	16	37	9	5	12							2			2							
Georgia	3	6	48.7																					28	26	21	5	1							
Illinois	20	380	47.6		3		2	4	24	5	19	29	28	115	19	51	28	26	21	5	1				7	7	1	4							
Indiana	12	139	51.5		1	1	1	1	7	2	2		21	3	2	24	10	3	39	18	5	4													
Iowa	3	29	52.9								1	1	6	1	1	1	1	9								1									
Kentucky	5	17	47.6								2	1	1	1	1	2																			
Maine	4	17	37.5																																
Maryland	4	3	34.1		1	1	1		48		2																							1	
Massachusetts	30	413	47.2		2	3	2	2	57	4	44	11	56	61	10	34	21	13	40	2	39														
Michigan	12	225	50.3		11	2	9		6	1	11	12	1	19	85	7	3	20	1	60															
Missouri	7	38	50.5					1			2	1																							
New Hampshire	7	38	53.4				3	2					4	6	2	6	3	6	5		21														
New Jersey	23	128	49.2			2	1	4			5	3	20	23	7	25	19	8	1		9												1		
New York	20	167	46.6			3	4	11			8	2	45	44	4	27		10	1																
Ohio	35	186	47.0		5	6	3	7	2	6	4	25	57	8	12	16		28	2	5															
Pennsylvania	15	155	48.4		1	1	3	9	1	3	3	29	1	4	39	27	3	20																	
Rhode Island	6	73	48.7		1			8			1		6		7	21	2																		
Tennessee	2	2	49.0											1		1																			
Texas	5	121	50.3			2		6		3	5	9	4	1	4	3	3	81																	
Washington	2	12	48.4										6	5																					
Other States	2	9	51.8								1		1	2		2		2																	1
Total	241	2,381	47.9		30	31	40	195	21	119	78	286	341	110	379	187	100	333	29	99														3	

Machinists, male:

Alabama	7	52	49.5	1	1	2				2	1			4	1	2	9	9	6	14																
California	12	185	43.7	1	2	3	11	6	12	110	4	13	11	1	3	1	3	1	6		1					1										
Connecticut	12	122	48.8		1	1	6		1		25	38	9	20	1	3	10	1	5																	
Georgia	11	67	51.2		1	1	3				6	5	3	6	7	24	1	4	4								2									
Illinois	19	223	49.4		3	1	3	2	1	5	20	23	43	25	22	29	18	14	4	9																
Indiana	7	63	55.0					3	1		1	1	1	12	5	26	6	5																	1	
Iowa	5	45	50.2			1	1	1	4	4					8	2	7	3	1	3																
Kansas	6	47	49.8			1	2	1	2	1	2	10	7	2	1	6	3	7	1		4															
Kentucky	7	41	47.0		1	1		4			1	6	3	1	1	13	2	8																		
Louisiana	5	55	48.4		1	1	5	8	10		6	4				9	3	5		1																
Maine	4	55	49.0		1		2	14	2	2	4	10	1	2	16	1																				
Maryland	7	176	45.8		2	2	1	7	6	7	24	37	57	10	14	3	2	4																		
Massachusetts	23	234	46.3		3	2	5	32	1	44	1	31	50	2	19	8	5	15	1	12															1	
Michigan	18	215	49.5		2	1	2	18			12	18	11	25	43	40	8	25	2	13																
Missouri	9	46	47.9				1	2	2	1	11	7	2	2	2	2	9	5																		
New Hampshire	3	116	50.7				1	11		1		12	5	7	2	2	70	5																		
New Jersey	24	147	49.0		1	4	3	10	3	1	5	27	11	8	29	14	2	9	5	9															1	
New York	20	249	47.2		1	3	1	14		14	4	36	123	7	26	4	5	5																		
Ohio	19	80	50.3			1	1			3		13	3	11	18	18	10																			
Oregon	4	22	46.8							1		12	4	1		1																				
Pennsylvania	19	181	51.9			1	2	6	2	10	1	17	6	8	39	7	1	59	1	19																
Rhode Island	11	231	48.5		2		3	6		10		14	1	34	138	21	2																			
Tennessee	7	61	46.8		1		2	2	1	6	3	5	16	7	10	4	1	1																		

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—															
	Estab-lish-ments	Emp-loyees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.

One-week pay period—Continued

Machinists, male—Continued.	11	102	49.7	3	1	1	7	1	2	2	15	7	4	11	7	33	1	7					
Texas.....	3	16	45.6				3		1	3	1	4	1	1	1	1							
Washington.....	1	7	55.9				1									3		3					
Other States.....	1																						
Total.....	279	2,836	48.3	25	22	42	169	43	144	202	342	410	185	448	210	152	295	23	106		16	1	3
Machinists' and toolmakers' help-ers, male:																							
Alabama.....	4	7	51.5						1					5		1							
California.....	12	81	45.3			2	3	6	2	27	13	3	1	6	1	3		1					
Connecticut.....	7	91	51.4			5	3		2		14	3	5	27	4	6	8	1	7	2	1	1	3
Georgia.....	3	13	49.0						1			5		5									
Illinois.....	14	89	47.8	1		2	1	1	3	26	8	6	7	11	8	5	1	2					
Indiana.....	5	38	52.1								3			20		11	4						
Kansas.....	6	17	52.8		1				1		1	3			4	2	3				2		
Kentucky.....	3	5	48.1			1									1	1							
Louisiana.....	4	13	45.6					4		4	1				2	2							
Maine.....	2	9	39.8		1		3		2				3										
Maryland.....	5	37	43.4		2	3	4	4	1		3	12	2	5	2		1						
Massachusetts.....	15	50	46.9				2		7	5	9	12	5	5	5			3					
Michigan.....	16	187	50.0	3	2	4	7	1	7	3	12	5	15	42	36	2	31	5	8	1	2	1	7
Missouri.....	8	15	48.4				2		3	1		1		2	4		2						
New Jersey.....	15	61	47.6	3	1		3		2	2	16	2	3	8		7			5				
New York.....	15	183	46.9	1	2	5	9		13	6	66	26	4	19	15	1	15		1				
Ohio.....	12	49	48.6			1	3			1	12	1	4	19	2	5					1		
Oregon.....	4	13	46.2					1	2	1	5	3				1							
Pennsylvania.....	15	184	51.7	4	2	2	6	1	8		13	3	5	36	9	1	73	2	19				

Rhode Island.....	5	43	48.9				1	2	3	3	34												
Tennessee.....	6	13	51.3					1	2	3		3	1								1		
Texas.....	9	56	45.9	2	3	1	5	1	1	7	8	9	6	6	4				3				
Washington.....	2	3	42.9			1				1		1											
Other States.....	3	3	51.8							2		1							1				
Total.....	190	1,265	48.7	14	14	27	52	18	59	87	190	97	69	232	121	36	175	13	47	3	6	3	2
Milling-machine hands and opera-																							
tors, male:																							
Alabama.....	3	5	50.4								2				2		1						
California.....	2	9	41.6	1					3	5													
Connecticut.....	18	160	49.6			3	3		3	1	16	17	16	73	5	5	13		5				
Illinois.....	20	255	48.7	1		2	8	4	25	18	21	50	12	26	60	4	29	1	4				
Indiana.....	12	57	49.1	4		2	1	2	2	6	1	6	13	3		13	4	1			1		
Kentucky.....	4	9	44.3			1				1	1	2		3									
Maine.....	3	27	40.1				14		2	4	6			1									
Maryland.....	4	30	43.9	1		3	4		2	2	6	1	2	3	1	4							
Massachusetts.....	32	339	46.6	3	4	8	52		33	7	51	49	19	45	13	2	30	1	21			1	
Michigan.....	18	107	48.8		4	2	3		5	1	5	10	4	40	7	2	20	4					
Missouri.....	9	23	50.5			1		2	2	1	3				11	3							
New Hampshire.....	7	53	47.3			5	4		3	3	9	2	7	8	1	11							
New Jersey.....	17	63	48.3	1		1	4	1	4	5	15	4	16	4	3	2		3					
New York.....	19	497	46.1	7	9	10	25		36	12	168	156	12	10	24	7	11		10				
Ohio.....	43	261	47.8	4	2	7	10		5	2	40	72	27	41	20	21		9			1		
Oregon.....	2	4	48.0							1	3												
Pennsylvania.....	20	194	50.2	1	1	1	6	3	24	16	3	4	28	43	14	39	5	6					
Rhode Island.....	3	142	48.3		2		5		8	16	2	12	75	21	1								
Tennessee.....	3	5	43.7			1					3		1										
Texas.....	3	34	54.0	1					1	1	1			2	2	23	2				1		
Washington.....	2	4	47.9							1	3												
Other States.....	4	28	50.4	1	1	1			1	3		3	1	6	5	2		4					
Total.....	253	2,306	47.7	18	31	45	142	9	159	54	364	405	122	382	211	55	223	15	67	4			
Planer hands and operators, male:																							
Alabama.....	4	9	44.8	1			1			1	1			1	4								
California.....	6	13	45.9				1	1	1	6				1		2							
Connecticut.....	14	146	51.6				1	1	3	11	11	28	54	2	3	14		16				2	
Illinois.....	20	137	49.7		1		2		13	12	14	11	16	13	19	6	25	3	1		1		
Indiana.....	10	34	50.2			1			1		4		5	16			2	1					
Kentucky.....	4	7	49.6							1	3		2		1								
Maine.....	3	12	42.5			1	3			1	3		1	3									
Maryland.....	2	12	39.8	1		1				5	4												
Massachusetts.....	32	210	46.9	2	3	2	15	3	19	17	23	40	4	45	6	2	23		6				
Michigan.....	12	77	51.1		1	1	2			3	7	8	29	3		16		7					
Missouri.....	5	18	42.7			2	2	5	1		3				2	2							
New Hampshire.....	6	16	42.1			1	8			1		1	3		1	1			1				
New Jersey.....	19	81	46.6	1		1	2		13	10	23	1	12	7	1	4	2	4					
New York.....	20	181	46.9	1	3	4	10	1	13	2	44	52	7	15	11	10	5		3				
Ohio.....	36	222	46.9	3	2	5	20		15	2	39	50	13	20	14	1	33	2	3				
Pennsylvania.....	18	87	49.6		1	3	4	1	1	3	22	1	2	11	12	16	2	8					

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																				
	Establishments	Employees		Under 16 hrs.	16 and under 24 hrs.	24 and under 32 hrs.	32 and under 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and under 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and under 60 hrs.	60 hrs.	Over 60 and under 72 hrs.	72 hrs.	Over 72 and under 84 hrs.	84 hrs.	Over 84 hrs.	
One-week pay period—Continued																								
Planer hands and operators, male—Continued.																								
Rhode Island.....	8	33	47.7	---	1	---	3	1	1	---	1	---	2	17	7	---	---	---	---	---	---	---	---	---
Texas.....	3	6	54.0	---	---	---	---	---	---	---	---	---	---	1	1	---	---	---	---	---	---	---	---	---
Other States.....	4	13	49.1	---	---	---	---	---	---	2	---	---	3	5	2	---	---	---	---	---	---	---	---	---
Total.....	226	1,314	48.0	9	13	22	74	13	81	45	184	209	94	242	85	30	149	11	50	1	2	---	---	---
Screw-machine hands and operators, male:																								
Connecticut.....	10	38	48.5	---	1	---	---	---	2	---	1	5	1	26	---	---	2	---	---	---	---	---	---	---
Illinois.....	12	118	47.5	---	1	2	5	7	3	13	7	33	4	10	22	1	9	---	---	---	---	---	---	---
Indiana.....	9	54	54.0	---	---	---	1	---	1	---	3	1	2	7	2	---	31	---	---	---	---	---	---	---
Kentucky.....	4	5	46.1	---	---	---	---	---	---	---	2	---	---	1	---	1	---	---	---	---	---	---	---	---
Massachusetts.....	27	176	49.2	2	---	2	19	2	17	1	18	29	8	21	6	4	25	1	19	---	---	2	---	---
Michigan.....	12	53	50.6	---	---	---	1	---	6	---	4	---	5	20	1	1	13	---	2	---	---	---	---	---
Missouri.....	6	13	53.1	---	---	---	---	---	1	---	1	---	1	---	1	7	1	1	---	---	---	---	---	---
New Hampshire.....	2	17	50.3	1	---	---	---	---	---	---	2	1	---	1	1	10	1	---	---	---	---	---	---	---
New Jersey.....	6	12	47.5	---	---	---	1	---	---	---	2	---	1	4	---	---	---	---	---	---	---	---	---	---
New York.....	14	212	46.7	---	2	4	12	1	12	2	79	66	3	10	12	1	5	---	3	---	---	---	---	---
Ohio.....	31	125	48.2	1	---	2	5	---	4	---	21	35	11	24	8	---	10	1	3	---	---	---	---	---
Pennsylvania.....	16	105	48.0	---	2	---	6	---	21	3	8	---	17	29	6	2	5	1	4	---	---	1	---	---
Rhode Island.....	10	94	48.9	2	---	---	1	---	5	---	3	1	7	43	32	---	---	---	---	---	---	---	---	---
Other States.....	7	42	43.4	2	1	2	11	---	4	---	5	---	2	1	5	1	5	---	3	---	---	---	---	---
Total.....	166	1,064	48.3	8	7	12	63	10	75	20	156	175	62	197	96	28	107	4	41	---	---	3	---	---

Toolmakers, male:																				
Alabama	2	2	52.5												2					
California	6	19	42.3			2	3	2	12											
Connecticut	16	107	50.1			5		5		9	7	9	33	17	2	18	1	1	1	
Georgia	5	6	57.0											1	4			4		
Illinois	21	182	50.1	2		2	3	1	7	18	5	13	10	31	54	7	21	1	8	
Indiana	12	105	50.2	3		1	5				1	1		44	4	2	39	1	4	
Iowa	2	18	53.1				1	2						1	10	2		2		
Kentucky	4	6	50.2							2		1		1			1			
Maine	4	14	44.2				4		1	2	2		1	4	1					
Maryland	4	37	45.5			3	2		2	2	7	17		1			1			
Massachusetts	34	236	48.7	1	2	1	12	3	16	8	27	51	15	47	6	7	30		9	
Michigan	18	150	46.9	4	4	6		1	9	10	10	8	17	51	11		14		5	
Missouri	8	30	51.1				1	3			2	3			18	3				
New Hampshire	4	29	47.5				2				7	15	1	2			1	1		
New Jersey	17	98	46.4	2	4	2	2		3	1	12	30	4	26	4	1	7			
New York	21	397	46.6	4	3	6	24	1	15	6	109	170	14	18	16	4	5		2	
Ohio	39	306	48.6	5	4	4			4		31	115	23	35	33		36	3	9	1
Pennsylvania	18	119	47.3		2	2	6		23	1	4	1	24	30	15		9		2	
Rhode Island	10	124	49.2		2		4	1	1		5	2	12	59	38					
Texas	4	10	50.6				1				2				2	1	3			
Other States	4	23	48.5			1	1		2	1	1	7	1		6	1	1	1		
Total	256	2,018	48.2	21	21	28	82	15	90	63	233	441	129	382	212	54	195	7	43	1

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																		
	Estab-lish-ments	Em-ploy-ees		Under 32 hrs.	32 and under 48 hrs.	48 and under 64 hrs.	64 and under 80 hrs.	80 hrs.	Over 80 and under 88 hrs.	Over 88 and under 96 hrs.	96 hrs.	Over 96 and under 100 hrs.	100 hrs.	Over 100 and under 108 hrs.	108 hrs.	Over 108 and under 120 hrs.	120 hrs.	Over 120 and under 144 hrs.	144 hrs.	Over 144 and under 168 hrs.	168 hrs.	Over 168 hrs.
Two-week or half-month pay period																						
Assemblers, male:																						
California	4	21	105.3				2		1		1	1	4		2							
Colorado	2	14	100.9				2		1						10						1	
Illinois	6	102	106.3	3	2	3	3		3		5			2	8	1	36	24				
Iowa	2	39	113.5	2					1		2		1		17	14	10	9	14			
Michigan	9	159	105.4	5	1	1	6	2	8		1	11	8		17	14	50	4	19	1	4	
Minnesota	3	45	96.0	5	1	2	2		2		1	1			6	14	19					
Ohio	19	473	100.7	18	6	13	17	4	13	1	48	6	24	4	31	3	137	10	50			1
Pennsylvania	9	233	108.3			7	11		9		19	2	16	4	34	4	75	12	29	4	7	1
Wisconsin	10	208	105.5	4	8	2	6		4		8		10	7	44	1	68	6	39		2	
Other States	4	97	97.3		1	1	3		2	1	12	4	4	33		26						
Total	68	1,391	103.7	42	19	29	52	6	44	2	103	15	71	85	212	22	424	65	178	6	14	2
Boring-mill hands and operators, male:																						
California	6	30	108.0						1		4	3	2		7		5	3	5			
Colorado	2	16	100.7				1		2		1			1	9							
Illinois	8	38	112.6						1				2		5	1	17	7	5			
Indiana	2	7	110.3												1		6					
Iowa	2	14	103.5			1	1		1		1						4	6				
Michigan	7	38	96.4	3	1	2	1	1	1		6		2	1	5		6	2	5		2	
Minnesota	5	27	106.7			2			2						8	3	9		2		1	
Ohio	27	172	102.3	5	2	6	6	1	3		14		21	2	26	2	58	7	18		1	
Oregon	3	8	96.4				1				3	2			1		1					
Pennsylvania	21	209	108.8	1		6	7		5		16	2	9	1	29	5	85	4	39			
Washington	2	7	93.0	1				1		1		2										
Wisconsin	13	127	115.0		1		1		2		6				4	1	31	1	35	4	32	
Other States	4	12	105.1				1				1			1	1	4	2					
Total	102	705	107.1	10	5	17	18	4	17	1	52	9	41	7	126	12	230	33	110		13	

Drill-press hands and operators, male:																					
California	6	32	98.9		1		2		4		3		6	1	9		4		2		
Colorado	2	20	98.5	1		1				1	1			15		2					
Illinois	8	55	106.7	1	2	1	2		1		2		4	1			22	5	14		
Indiana	2	22	112.8												1		21				
Iowa	2	46	104.4	3		1	2				3				5		10	21	1		
Kansas	2	4	86.0		1				1						1		1				
Michigan	9	66	96.8	2	1	1	4	2	6	2	11		5	2	10		9	5	6		
Minnesota	6	76	91.4	4	5	7	4		1		3		5		16	3	24	1	3		
Missouri	3	9	97.7	1			1								2		2		3		
Ohio	30	338	98.9	16	6	12	10	4	12	2	25	4	27	30	48	3	91	15	32		1
Oregon	3	23	83.0	1	3	1	1		2	1	3	5	2		3		3		1		
Pennsylvania	24	403	104.6	6	4	20	16	3	16		33	8	22	8	33	6	154	2	66	2	4
Washington	5	20	85.5	2		1	2		2		3		2	1	6	1					
Wisconsin	15	268	104.1	8	3	11	7		9	1	13	2	23	2	54	2	74	8	44		7
Other States	3	40	85.9	8		2	2		2		5	3	1	2	1		1	1	4		3
Total	120	1,422	100.8	53	26	57	54	9	56	6	105	22	97	52	204	15	416	58	175	2	15
Fitters and bench hands, male:																					
California	6	80	97.7		2	2	3		12	1	7	4	7	2	15	3	16		6		
Colorado	2	11	100.4				1		1						9						
Illinois	8	118	106.0	3	3		4		1		2		3	4	20	2	45	14	17		
Indiana	2	42	107.2		1		1		1				1	3	8		23		4		
Iowa	2	16	107.1			1	1				1				2		6	3	2		
Michigan	8	104	102.5	3	3	1	3		4		12		6	8	27	1	16	3	14		3
Minnesota	7	78	103.3		4	3	3		1		6		4	2	11	6	23	3	15		
Missouri	2	15	112.9												2	3	5	3	2		
Ohio	29	461	100.7	11	10	14	15	4	11	3	39	4	58	29	89	3	106	16	48		1
Oregon	2	14	75.9	3		1	1		3		5	1					1				
Pennsylvania	24	604	105.7	10	11	19	17	2	29	1	53	7	18	20	73	11	202	15	96	1	19
Washington	3	55	98.6			1	4		3	1	8				23		15				
Wisconsin	15	562	109.9	5	9	8	14		12		24		43	10	83		190	11	144	1	8
Other States	3	15	96.1	1			2				2		1	3	1		4		1		
Total	113	2,175	104.8	36	44	52	65	6	78	6	159	16	141	81	363	29	652	65	349	2	31
Grinding-machine hands and operators, male:																					
California	3	36	112.5		2	1					1				11		6	1	11		3
Colorado	2	5	102.4								1				4						
Illinois	6	48	99.7		4		3	1	4				2	1	7		11	6	4		
Indiana	2	2	111.0				1										2				
Iowa	2	21	104.6	1	2		1										1		5		
Michigan	6	22	95.0		1	2	1	1	2		2		3		4		3	6	5		
Ohio	16	97	105.0		2	1	2	1	2	1	4	1	9	8	13		27	5	19		
Pennsylvania	10	97	107.8	1	1	3	5		4		10	1	2	2	8		35	4	17	1	3
Washington	2	6	97.1						2				1		2		1				
Wisconsin	13	94	107.3	1		3	3		3		6		3		21	1	24	2	14		1
Other States	2	14	105.1		1						1	1			2		7		2		
Total	64	432	105.5	5	13	10	15	3	17	1	30	3	20	11	73	1	121	24	75	1	8

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—																	
	Estab-lish-ments	Em-ploy-ees		Under 32 hrs.	32 and under 48 hrs.	48 and under 64 hrs.	64 and under 80 hrs.	80 hrs.	Over 80 and under 88 hrs.	88 hrs.	Over 88 and under 96 hrs.	96 hrs.	Over 96 and under 100 hrs.	100 hrs.	Over 100 and under 108 hrs.	108 hrs.	Over 108 and under 120 hrs.	120 hrs.	Over 120 and under 144 hrs.	144 hrs.	Over 144 and under 168 hrs.

Two-week or half-month pay period—Continued

Laborers, male:																								
California	3	34	100.2	2			1				2	2	1		21									
Colorado	2	30	85.4	2	2	5	1					1			18									
Illinois	8	187	111.1	6	1	3	7		5		9	1			11	4	59	20	54	1	4			
Indiana	2	36	108.0	1	1				1						4		24		3					
Kansas	3	17	88.4	2	1		1		2		1				7		2		1					
Michigan	9	120	106.7	3	1	2	1		6	6				4	15	12	5	13	20	24		1		
Minnesota	7	124	98.1	9	1	2	8		2	1	6	6		7	3	29	14	32	2	5		3		
Missouri	2	15	82.9	3			2			1	1				4									
Ohio	28	746	98.9	33	15	29	32	17	31	24	76	4	41	31	100	8	177	50	60	1	11			6
Pennsylvania	26	832	106.4	28	18	23	38	1	21	7	56	6	31	17	79	13	265	23	170	1	30	1		5
Washington	2	9	96.6				2			1					5									
Wisconsin	15	509	107.8	7	11	7	19		11	1	22	1	22	8	87		187	10	108		7			1
Other States	5	107	100.6	6	2	5	3		4		9	1	3	9	7		28	18	12					
Total	112	2,766	103.8	102	53	76	115	24	83	34	188	16	110	87	877	51	796	143	439	3	56	1	12	
Lathe hands and operators, engine, male:																								
California	6	111	95.3	3	4	4	3		15		12	3	4	2	33		26		1					
Colorado	2	22	99.3			1	1		2		1		1		14		2							
Illinois	8	75	111.3				4				5		2		5	3	33	11	12					
Indiana	2	22	104.7						3			1	3	1	2		11		1					
Iowa	2	45	109.3	2	1		2				2	1			3	1	9	13	11					
Michigan	7	90	102.0	3	2	2	4	7	3		3	1	2	1	21		11	11	19					
Minnesota	5	67	97.8	2	2	6			5		3		6	3	17	3	11		5			4		
Ohio	27	370	102.4	12	3	6	12	6	18	2	39	6	22	11	62	5	97	21	47			1		
Oregon	3	32	90.7	2	1	1			1		1	3	11	1	8		3							
Pennsylvania	25	500	107.3	5	9	11	17	5	26		41	4	21	11	53	9	183	7	78	1	18			1

Washington.....	3	29	94.2			1	1		2	4	2	2	8		8		1					
Wisconsin.....	15	320	106.1	3	6	12	9		1		21	8	34	6	70		1	96	12	48	5	1
Other States.....	4	46	99.1	2		2			1		8	2	3	2	7	3	10					
Total.....	109	1,729	104.0	34	28	46	54	18	77	7	140	31	107	37	303	25	493	75	227	2	24	1
Lathe hands and operators, turret, male:																						
California.....	5	22	102.8		1		1		3			1	1	1	6		4			4		
Colorado.....	2	8	91.9										1		7							
Illinois.....	6	21	115.4										1				14	5		1		
Indiana.....	2	14	101.7			1	1		1					2			7					
Iowa.....	2	5	117.8														3	1		1		
Michigan.....	7	30	77.5	4	2	3	2	3	2		3	1	2	2	1		2	2	2	1	1	
Minnesota.....	4	32	100.6			1	1		3	1	1		1		7	2	7		6			
Ohio.....	24	230	100.2	7	2	4	8	1	8	1	32	1	35	17	32	2	51	6	22		1	
Pennsylvania.....	15	434	110.7	3	4	5	21	1	11		33	4	10	5	48	5	167	5	94	3	15	
Washington.....	2	8	100.7			1			1		1		1		1		1		2			
Wisconsin.....	14	182	107.3	2	1	1	8		4	1	7	1	12	2	36	3	68	9	25		2	
Other States.....	4	26	93.3			1	3		2		8	7	2	1	1		1		1			
Total.....	87	1,012	105.6	18	10	17	45	5	34	4	86	15	63	31	141	12	325	28	157	3	18	
Machinists, male:																						
California.....	5	53	90.7	3	5		2		5		2	2	2		27		3			2		
Colorado.....	2	32	100.3	1	1						1	1	2		22		4					
Illinois.....	6	29	109.5			1			1		2		1		2	1	10	4	5	1		
Kansas.....	4	30	99.1		1				3	3	3	1	3		6	6	1	1	2			
Michigan.....	8	170	105.6	6	2	4	6		5		3	2	8	8	23	31	46	3	14		4	5
Minnesota.....	6	38	105.3				2		2		1				7	11	13		1			
Missouri.....	3	21	102.9	1			2		1				2		3		9		2			
Ohio.....	20	159	109.9	5	1	4	5		1		7		5	4	3	1	56	11	30	2	6	1
Oregon.....	6	59	94.3		2	3	3		6	1	6	5	5	1	20		4					
Pennsylvania.....	21	248	106.7	6	3	3	12		5		18	2	15	4	23		71	11	54		5	
Washington.....	3	46	99.8		1	2	2		1	1	2	1	1		29		5	1	5			
Wisconsin.....	3	66	114.7				1		1		3		2		23		23	1	22		3	
Other States.....	3	31	98.0	2	1	2	1		1	1		1	1		10		4		8			
Total.....	95	982	104.9	24	19	23	36		32	6	48	15	48	17	202	57	249	39	140	3	18	6
Machinists' and toolmakers' helpers, male:																						
California.....	6	54	101.6			3	1		6		8	5	2		14		9		4		2	
Colorado.....	2	16	94.9		2		1								12		1					
Illinois.....	3	7	112.0												1	2	2		2			
Kansas.....	3	11	109.7			1					1						1	4				
Michigan.....	4	46	112.4						1		3	1		3	10		17		9		2	
Minnesota.....	3	4	105.2										2		1		1					
Missouri.....	3	11	84.6		3				1							1	5		1			
Ohio.....	8	25	99.9		1		5						1	1	3	1	9	4				
Oregon.....	6	39	92.6		3		2	1	2	1	10	2		11	1	6		1				
Pennsylvania.....	20	106	108.2	2	2	7	2		1		8	2	6	3	13	1	29	2	25		3	

TABLE E.—AVERAGE AND CLASSIFIED HOURS ACTUALLY WORKED BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average hours actually worked per pay period	Number of employees who during the pay period worked—															
	Estab-lish-ments	Emp-loy-ees		Under 32 hrs.	32 and under 48 hrs.	48 and under 64 hrs.	64 and under 80 hrs.	80 and under 88 hrs.	88 and under 96 hrs.	96 and under 100 hrs.	100 and under 108 hrs.	108 and under 120 hrs.	120 and under 144 hrs.	144 and under 168 hrs.	168 and under 188 hrs.	Over 188 hrs.			
Two-week or half-month pay period—Continued																			
Machinists' and toolmakers' help-ers, male—Continued.																			
Washington	4	18	97.2			1	1			1	1				6		2		
Wisconsin	7	27	99.6	2		1	2		1					4		5	1	6	
Other States	3	17	98.7	1		1			1						9		2	2	1
Total	72	376	102.4	11	5	14	14	1	13	1	31	11	16	8	85	7	90	9	53
Milling-machine hands and opera-tors, male:																			
California	6	18	98.6				2		2		3		1		7		2		1
Colorado	2	6	96.0			1									5				
Illinois	5	25	116.0										1		1	1	11	4	7
Indiana	2	8	113.4												1	6	6		1
Iowa	2	8	113.8											1	1	2	4	4	
Michigan	6	31	88.1	4	1	2	1		1	1	1	2	2		6	1	4	2	3
Minnesota	4	19	108.9								1				3	3	10		1
Ohio	23	172	101.0	7	1	7	6		9		22	2	9	2	27	4	41	6	29
Pennsylvania	16	182	113.5	1	1	1	4		6	2	15		5	3	17	5	68	1	41
Washington	2	14	75.9	3	1			1	1		3		1		3				1
Wisconsin	15	126	108.4	1		2	5	3	2		4		14	3	18		43	5	26
Other States	3	10	100.2					1			3	1			3		1		
Total	86	619	106.0	16	4	13	18	5	21	3	52	5	34	12	89	14	188	22	110

Planer hands and operators, male:																						
California	6	14	107.1																			
Colorado	2	8	104.7							3										2		
Illinois	7	11	100.8			1	1				1		1									
Indiana	2	11	124.9																	1		
Iowa	2	4	125.4																	2		
Michigan	6	33	94.5	1	3	2	2	2		1	3				5				5	4		
Minnesota	5	12	98.6			2								3					3	1		
Missouri	2	3	122.4																1	2		
Ohio	27	199	108.1	4	2	2	5	2	8	1	16	2	16	5	35	1	44	8	37	1	7	3
Oregon	2	2	56.3												1							
Pennsylvania	21	108	106.4	2	1	6	2		3		13	4	8		7	3	26		25	1	2	
Washington	3	10	86.5	1					2		2		3		1		1		1			
Wisconsin	13	111	107.7		1	2	5			2		6		11	3	20		37	8	15	1	
Other States	3	3	99.5								1				1							
Total	101	524	106.3	9	7	15	16	4	13	4	46	7	42	9	88	4	126	22	97	2	10	3
Screw-machine hands and operators, male:																						
California	4	19	103.5			1					1		1	1	11				3		1	
Colorado	2	2	104.8												2							
Illinois	4	10	115.1										1						5		4	
Michigan	4	21	84.9																5	1	1	
Minnesota	2	11	114.9	2	1	3	1			1					3				1		3	
Ohio	13	144	100.3	7	2	6	8		3	1	11		12	20	19	1	18	2	32	2	2	
Pennsylvania	5	107	112.8			1	2				2	2	1	1	16	3	63	2	12	2	2	
Wisconsin	12	93	106.1			2	2			1		10	1	6	3	22	1	31	4	10		
Other States	3	11	115.7												1			5	4	1		
Total	49	418	105.3	9	3	13	14		5	1	26	3	26	27	73	5	131	13	62		7	
Toolmakers:																						
California	3	17	105.0				1							1	1	9	1	2		2		
Colorado	2	3	110.5													1		2				
Illinois	5	16	109.4												2	2		11	1			
Indiana	2	19	113.6												1	4		12		1		1
Iowa	2	9	117.3													1		3		5		
Michigan	10	43	102.8				2	2	2		4		4	3		6	8	9	1	2		
Minnesota	4	21	105.5			1										6		14		2		
Missouri	2	2	110.9															2				
Ohio	22	133	105.1	2	1				5		3	2	9	3	32		61	6	4			
Pennsylvania	16	124	103.1				3	3	6	4	14	10	6	5	32	1	25	2	12		1	
Washington	2	4	97.0									2	2									
Wisconsin	15	152	107.4	3	1	1	1		3		7	2	11	4	46		41	8	24			
Other States	5	12	101.6						1	1		1	4	2			2		1			
Total	90	555	105.6	6	2	4	12	2	17	5	28	17	37	21	139	10	184	18	51		2	

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE

FOUNDRIES

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period																							
Chippers and rough grinders, male:																							
Alabama	4	32	\$15.00		3	11	16	2															
California	6	26	30.18			1		2		8	10	5											
Connecticut	16	131	24.30				16	2	51	43	17	2											
Georgia	7	50	13.26		8	30	9			1													
Illinois	24	241	28.26	1	3	7	15	38	90	44	31	7	4	1									
Indiana	10	101	25.26	2	1	3	8	40	26	10	6	5	2										
Iowa	10	103	21.73	3	4	10	25	34	16	6	1	2		1	1								
Kansas	6	19	20.75					6	6	5													
Kentucky	7	15	21.02			1	5	2	1														
Louisiana	3	34	16.06	1	2	18	2	9	1	1													
Maine	4	57	17.92	1	1	2	38	12	1														
Maryland	7	39	21.27				16	8	7	4													
Massachusetts	21	373	24.62	9	25	37	20	118	87	28	13	14	11	5	4	1						1	
Michigan	25	284	28.36	5	7	6	28	59	64	46	36	24	2	1	3	2							
Missouri	13	64	24.07			1	12	23	19	7													
New Hampshire	7	28	21.26	1		1	6	13	7														
New Jersey	17	185	26.75	2	1	3	14	48	68	34	13	1	1										
New York	22	324	26.27	4	8	5	17	101	92	40	30	5											
Ohio	24	198	23.48	3	2	7	55	63	40	17	4	3	1	3									
Oregon	3	16	27.04					1	15														
Pennsylvania	17	129	21.86		4	24	20	39	26	10	6												
Rhode Island	8	159	26.45		1	2	12	57	51	19	12	2	2			1							
Tennessee	6	61	13.52	4	1	28	21	3	2	1													
Texas	8	37	18.32		1	5	20	8	9	7		2	2		1								
Wisconsin	3	25	30.06		1	2		1	9	7		1											
Other States	2	23	21.28		1	3	7	8	2	1													
Total	280	2,754	24.51	37	81	210	389	752	684	327	160	65	24	11	9	3				1		1	

Core makers, male:																					
Alabama	5	21	27.34		1	2	2	5	2	1	7	1									
California	7	32	37.46				3		1	5	10	3	10								
Connecticut	16	103	35.53	2	1	2	1	7	10	21	23	17	12	6				1			
Georgia	8	22	25.04				9	4	2	1	5		1								
Illinois	24	203	37.87	1		4	4	10	12	51	32	33	40	12	2	2					
Indiana	10	115	31.69		1		5	13	23	37	16	18	2								
Iowa	11	57	32.83		1	2	1	7	9	14	13	5	1	4							
Kansas	4	9	32.68					1	1	1	5	2									
Kentucky	8	9	31.73				1		3	3		2									
Louisiana	3	11	35.87					1		2	6		2								
Maine	4	12	25.49			1	6	3	2	2											
Maryland	7	38	30.39			4	8	5	9	5	7		8	5	1	1			1		1
Massachusetts	21	155	32.32	1		6	4	12	15	15	18	67	8	5	1	1			1		
Michigan	29	249	35.89	2	4	2	8	23	36	39	57	29	20	18	5	3			2	1	
Missouri	12	56	32.28				3	9	5	13	19	1	6								
New Hampshire	7	12	31.54				2	3	3	3	3										
New Jersey	16	98	37.18	1	3		3	3	4	26	18	19	14	5	2	1			1		
New York	23	221	33.96	1	4	1	6	28	47	45	22	32	25	4	3	1			1	1	1
Ohio	23	177	36.52		2	1	5	6	14	32	48	56	7	5					1		
Oregon	4	9	34.88					4	4	1	2	1	1								
Pennsylvania	17	201	28.00		2	4	22	43	39	47	36	7	1								
Rhode Island	8	73	28.52			2	1	12	31	18	8	1	1								
Tennessee	7	22	28.97		1			3	8	6	3	1									
Texas	9	23	25.52	1	1		3	6	1	9	1	1									
Wisconsin	3	23	35.45				2	5	2	5	7	5	2	3							
Other States	2	14	30.65				1	8	1	2			1	3							
Total	288	1,965	33.52	9	21	26	87	219	284	406	361	307	153	62	13	8	1	4	2	1	1
Core makers, female:																					
Illinois	3	62	22.84			6	20	18	9	7	1	1									
Kentucky	2	3	19.03				2	1													
Michigan	8	39	17.53		5	13	6	10	2	2	1										
New Jersey	3	31	16.12	2	1	12	10	2	3	1											
New York	7	62	20.09	1	3	8	21	15	10	3	1										
Ohio	2	5	19.38			1	2	2													
Rhode Island	3	14	18.13		3	2	4	3													
Wisconsin	2	2	22.56				1	1													
Other States	4	34	14.46		9	10	11	3	1												
Total	34	252	19.01	3	21	52	75	55	29	13	3	1									
Laborers, male:																					
Alabama	5	54	14.82	1	3	22	26	1	1												
California	5	60	23.02	1	2	6	4	20	23	3	1										
Connecticut	16	403	24.13	1	3	15	51	168	112	34	15	2	1	1							
Georgia	10	127	12.71	17	20	42	42	5													
Illinois	24	813	27.53	5	10	22	67	190	287	119	32	34	27	10	1						
Indiana	10	332	21.73	3	6	27	86	142	64	19	5										
Iowa	11	279	22.04	7	17	19	67	90	33	19	21	5	1								
Kansas	6	31	16.73	1	5	2	14	9													

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period—Continued																							
Laborers, male—Continued.																							
Kentucky	6	38	\$19.93	1	2	6	9	12	5	3													
Louisiana	4	54	17.15		6	10	26	8	3		1												
Maine	3	33	20.34			6	13	9	4		1												
Maryland	7	94	18.72	5	2	17	26	30	10	2	2												
Massachusetts	21	687	23.23	7	19	58	81	215	192	71	14	10	14	3	3								
Michigan	26	931	27.75	13	32	30	35	133	253	161	76	31	21	11	10	3	10	3	4				
Missouri	12	170	18.73	8	10	35	43	36	27	11													
New Hampshire	7	67	21.40	2	1	4	15	29	10	3	2	1											
New Jersey	18	653	23.81	11	16	25	110	227	156	77	24	6	1										
New York	23	975	24.03	18	30	40	112	309	320	110	20	10	2	4									
Ohio	23	627	21.89	12	24	55	153	187	121	55	10	9	1										
Oregon	4	35	23.92				1	20	11	2													
Pennsylvania	13	457	21.09	6	11	61	71	202	76	22	5	2				1							
Rhode Island	8	252	23.71	1	2	10	32	127	49	15	11	4											
Tennessee	5	81	15.80	1	6	33	28	8	5														
Texas	6	51	17.93		2	10	20	18	1														
Wisconsin	3	75	31.24	2	3		4	20	4	15	8	6	8	3	2								
Other States	2	37	21.54		1	5	10	13	2	6	1												
Total	283	7,436	23.56	123	234	560	1,196	2,287	1,769	746	249	120	77	33	14	5	11	3	4				
Molders, hand, bench, male:																							
California	6	23	39.57				1	1		2	9		9	1									
Connecticut	15	103	32.40			1	3	6	27	36	10	8	12										
Georgia	7	43	23.16		2	4	7	17	5	6	1	1											
Illinois	22	126	36.33		1	1	5	3	15	29	31	17	18	5	1								
Indiana	9	56	33.67		1	2	1	4	7	17	11	9	3	3									
Iowa	8	49	31.69	1	1	3	3	1	11	8	8	7	3	3									
Kansas	5	12	29.20			1		1	5	2	3												
Kentucky	5	11	23.63		1		1	3	4	1	1												

Louisiana	2	2	31.15					1	1													
Maine	4	23	27.20					6	2													
Maryland	7	32	32.61					9	3													
Massachusetts	20	216	41.00		2	7	5	15	25	11	35	53	9	16	13	11	9	1	1			
Michigan	24	200	37.07	1	4	5	1	17	16	31	52	30	18	12	7	4	2					
Missouri	10	48	34.22			1	3	2	7	14	8		13									
New Hampshire	7	59	28.42			2		19	8	26	3											
New Jersey	15	73	40.93					1	1	5	18	34	12	1		1						
New York	19	199	31.09	3	3	5	18	19	30	61	25	16	15	2	1		1					
Ohio	19	102	32.84	1	1			3	10	28	22	10	19	7	1							
Oregon	3	6	38.90							1	3		1	1								
Pennsylvania	14	144	30.30		2	1	6	26	44	28	19	12	3	2		1						
Rhode Island	8	95	38.26				2	6	16	25	14	7	9	4	8	1	1	1	1			
Tennessee	5	39	19.58	4	8	3	4	7	4	5	5	4										
Texas	6	13	30.91				1	2	2	6	1			1								
Wisconsin	3	27	33.96			3		1	5	6	8	4	5									
Other States	2	3	20.08				1	2		6	8											
Total	245	1,706	34.09	10	26	40	69	174	278	351	269	229	139	51	32	18	13	2	2	1	2	
Molders, hand, floor, male:																						
Alabama	5	48	33.96		1	1	2	3	5	9	12	18	2									
California	7	71	39.27				1	4	4	1	30	9	20	2								
Connecticut	16	302	36.19			1	2	12	35	79	89	43	29	11	1							
Georgia	11	79	30.34		1	1	3	16	15	23	17	2		1								
Illinois	24	317	39.80				3	15	18	53	70	51	79	19	7	1		1				
Indiana	10	130	36.93			2	2		23	23	28	33	15	2	2							
Iowa	11	108	38.72	1			4	5	12	28	22	12	4	7	5	2	5	1				
Kansas	7	50	32.39		1		2	3	2	27	15											
Kentucky	9	48	31.26		1		1	4	19	6	10	6	1									
Louisiana	4	42	34.34		1			1	4	13	18	8	1							1		
Maine	4	54	30.48			2		16	17	1	6	3	6	1	1							
Maryland	7	103	33.18			3	4	2	8	23	15	14	30	1	3							
Massachusetts	21	373	42.00			1	5	3	13	31	26	71	125	35	19	8	14	11	5	2	1	2
Michigan	26	313	36.08	4		3	6	17	33	94	95	41	39	8	7							
Missouri	12	157	32.96	1	2	4	7	18	17	33	48	3	23		1							
New Hampshire	7	33	32.80					5	7	13	3			2								
New Jersey	17	254	41.37	1	2		3	6	19	18	46	78	49	16	7	8			1			
New York	23	339	36.94	1	1	6	7	17	25	64	90	80	35	5	5	1	1	1				
Ohio	23	435	37.48	1	9	2	6	15	45	76	73	181	60	10	4	2					1	
Oregon	4	20	38.46							1	10	9										
Pennsylvania	18	280	33.34			1	8	45	50	62	64	28	11	4	1	2			1	1	2	
Rhode Island	8	114	37.91			2	1	5	14	30	20	18	9	14	3	2	1					
Tennessee	5	83	31.54			2	4	3	19	32	10	18										
Texas	9	83	30.66			2	6	10	7	42	7	5	8									
Wisconsin	3	32	41.03						1	4	10	8	3		4	1						
Other States	2	32	34.70					4	8	3	6	8	2	1								
Total	296	3,900	36.86	10	24	39	72	245	453	736	884	750	427	125	56	40	18	10	3	5	2	1

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period—Continued																							
Molders, machine, male:																							
Connecticut.....	8	101	\$30.29			1	9	16	31	17	11	11	3		1	1							
Illinois.....	11	229	33.66	1		1	1	3	29	47	51	60	17	19	11	3	2	1					
Indiana.....	10	227	30.20	3	6	8	15	31	43	45	44	17	12	3									
Iowa.....	7	71	31.02		1	9	5	6	9	17	10	4	4		1	1							
Kansas.....	2	7	32.31						3	1	3												
Kentucky.....	3	6	24.21			1	2		1	1	1												
Maine.....	2	41	25.90	1	3		6	8	6	10	6		1										
Maryland.....	5	26	30.21				3	9	4	4	2	1											
Massachusetts.....	16	248	32.83	3	11	19	13	21	28	25	36	63	15	7	2	2	3				3		
Michigan.....	17	316	36.31	1	7	3	7	30	47	56	70	22	34	18	9	5	1	6					
Missouri.....	4	27	35.33						2	12	8	2	3										
New Hampshire.....	3	17	41.09					5	2	1	1	1	1	3	3	1							
New Jersey.....	13	171	32.56	3	7	10	7	9	20	44	26	25	12	3	3	1	1						
New York.....	16	261	34.66	1	4	3	5	22	42	42	68	40	30	4									
Ohio.....	11	94	34.55		1	3	3	3	15	27	11	13	15	3									
Pennsylvania.....	13	161	28.25	6	2	7	18	31	47	35	9	3	1	2									
Rhode Island.....	8	131	35.07	1		1	1	13	19	32	28	23	8	2	2			1					
Tennessee.....	2	3	19.05				1	2															
Texas.....	3	21	25.49			3	4	5	3	3		1	2										
Wisconsin.....	3	57	30.43		3	3	4	5	9	12	10	5	5	1									
Other States.....	4	36	24.85		2		10	9	6	5	1	2	1										
Total.....	161	2,261	32.53	20	47	72	114	228	364	437	396	293	166	62	24	15	3	7	3				
Molders' helpers, floor, male:																							
Alabama.....	5	71	14.58	2	6	24	36	3															
California.....	6	39	27.68					14	12	11	2												
Connecticut.....	13	169	22.85		1	7	30	85	30	10	5	1											
Georgia.....	9	119	11.40	10	20	69	18	2															
Illinois.....	16	116	23.59	1	2	3	23	39	40	6		1	1										

Indiana	6	39	19.87	3	1	2	8	19	6											
Iowa	6	16	22.82		1	1		8	5	1										
Kansas	4	14	19.34			2	3	9												
Kentucky	8	28	16.78	3	5	1	7	7	4	1										
Louisiana	4	48	17.59	4	3	6	18	12	4	1										
Maine	2	5	15.62	1			3	1												
Maryland	3	11	17.98			2	6	3												
Massachusetts	16	86	25.97	1	1	8	10	25	14	12	6	2	5	2						
Michigan	18	212	23.79	5	11	14	20	77	36	28	14	5	2							
Missouri	9	70	23.59	1			13	31	21	3	1									
New Jersey	15	187	24.20	2	7	1	36	63	45	20	12	1								
New York	15	145	27.65	3	2	1	5	32	51	33	11	4	2	1						
Ohio	15	150	22.03	3	6	7	29	62	28	11	3		1							
Oregon	3	12	28.90				2	4	6											
Pennsylvania	9	82	22.04		1	8	14	44	8	5	2									
Rhode Island	4	28	22.78				3	20	2	2	1									
Tennessee	7	83	14.44	2	4	46	27	3	1											
Texas	9	98	16.72	1	4	17	57	18	1											
Other States	2	15	22.33				4	5	6											
Total	204	1,843	21.60	42	75	219	370	584	318	150	57	14	11	3						
Pattern makers, male:																				
Alabama	5	20	35.99	1				5	2	3	8								1	
California	4	14	43.96					1			7	5	1							
Connecticut	11	81	38.24			1		4	15	12	20	12	5	2	8	1		1		
Georgia	11	23	38.43					1	4	9	1	3	1							
Illinois	22	82	42.43					1	1	14	16	23	15	6	5	1		1		
Indiana	10	63	39.42		1	1	1	2	10	14	12	8	12	1						
Iowa	6	16	31.37				2	1	4	5	1									
Kansas	6	7	37.95						4	2	1									
Kentucky	5	10	33.21						3	4	3									
Louisiana	4	14	35.78		3				1	5	2	2						1	1	
Maine	4	17	35.59					2	1	6	2	3								
Maryland	6	14	37.14						4	3	5									
Massachusetts	17	127	32.90			7	6	10	12	32	37	15	5	3						
Michigan	21	109	38.13	2			4	5	9	14	17	36	12	6				1	2	1
Missouri	9	31	39.89						3	2	7	12	5	1						
New Hampshire	5	14	37.89					1	1	1	5	5	1	1						
New Jersey	17	108	39.83			2	3	3	4	12	19	29	24	8	2	1				
New York	21	178	41.69		1	2	1	2	11	17	38	42	34	17	3	5				
Ohio	17	132	40.73		1		4	13	12	16	13	28	8	9	25					1
Oregon	3	5	36.39						2	1	2									
Pennsylvania	18	89	33.69			2	2	9	10	21	28	18	1							
Rhode Island	8	53	33.51		1	1			6	25	15	5								
Tennessee	6	12	37.88						4	4	1	3								
Texas	9	21	38.73				1	1	2	3	6	5	2	1				2		
Wisconsin	2	22	33.64				1		2	11	3									
Other States	2	14	47.29							1	1	10	2							
Total	249	1,278	38.23	3	6	16	26	53	115	223	270	277	146	71	45	13	12		1	1

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and under \$95	\$95 and under \$100	\$100 and under \$110	\$110 and under \$120	\$120 and under \$130	\$130 and under \$140	\$140 and under \$150	\$150 and over										
Two-week or half-month pay period																																							
Chippers and rough grinders, male:																																							
California.....	6	52	\$54.32		1			1			2	1	12	16	11	2		1	1	1	2	1																	
Colorado.....	2	29	51.42		1					1	3	7	9	3			1	1	1	7																			
Illinois.....	6	97	65.97			3		3	3		1	6	6	12	3	8	13	4	7		11	2			5			3											
Indiana.....	3	27	54.21					1		2	3	8	7	1			1				3	1																	
Iowa.....	2	39	48.08		1				1	1	10	8	11	5														1											
Kansas.....	2	15	43.31							2	5	2	3	1																									
Michigan.....	9	120	51.41	2	3	4	4	2	9	8	17	12	9	5	3	4	3	6	1	5	3	6	2	3	6	2	3												
Minnesota.....	6	68	48.74	2	1	2	1		1	3	6	15	11	6	3	4	3	6	3	1	5	3	6	2	3														
Missouri.....	2	7	39.22			1					2	1	3																										
Ohio.....	21	300	49.02	2		6	4	7	6	23	29	29	37	50	52	28	9	5	2	6	4				1														
Oregon.....	3	5	41.53		1							3		1																									
Pennsylvania.....	22	400	56.43	2	4	4	3	6	5	17	25	26	38	61	58	37	26	25	24	11	15	7	2	2	1	1													
Washington.....	6	29	49.16				1	1		2	1	3	4	9	3	3																							
Wisconsin.....	11	157	51.33	2	4	6	1	9	7	5	8	15	22	15	14	15	3	7	6	2	3	2	7	4															
Other States.....	2	11	43.11	1					2		2	1		2	1																								
Total.....	103	1,356	53.05	12	15	26	14	31	33	62	94	132	173	210	161	101	57	52	53	32	44	15	15	15	4	5													
Core makers, male:																																							
California.....	6	41	77.67				1			1	1	2	1	1		3	5	7	4	8	2			3		1												1	
Colorado.....	3	24	65.21						1	1	1	3		1	1	4	4	2	3	3	1																		
Illinois.....	6	35	72.61					1			2	1			2	4	2	5		8	9	2	2	1															
Indiana.....	3	30	72.53										3	1	2	4	7	1	2	2	2	3	2	1															
Iowa.....	2	35	78.70							1		1			3	4	4	5	9	4	4	2	2	1															
Michigan.....	10	96	69.97						1	2	10	3	2	5	3	10	11	9	9	11	4	6	3	4	1	1	2												
Minnesota.....	6	58	72.45					1		2	1	1	1	3	9	9	6	2	6	2	3	2	6	4	1	1	1	2											
Missouri.....	2	7	48.47				1				1	1	1	2		1																							
Ohio.....	22	231	70.39			1	2	1	2	6	5	6	6	18	22	35	18	13	22	18	11	16	11	11	4														
Oregon.....	3	3	64.44								1																												

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

F FOUNDRIES—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																											
	Estab-lish-ments	Em-employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and under \$95	\$95 and under \$100	\$100 and under \$110	\$110 and under \$120	\$120 and under \$130	\$130 and under \$140	\$140 and under \$150	\$150 and over		
Two-week or half-month pay period—Continued																															
Molders, hand, floor, male:																															
California	6	95	\$79.13			1	1		2	1	4	1	1	1	1	10	5	11	9	15	10	8	2	4	1	2	1	2	2		
Colorado	3	45	71.82		2				1	1	1	1	1	1	1	2	2	8	10	1	4	2	1	5							
Illinois	6	67	83.77				1									5	2	12	9	14	4	2	12	6	5	1					
Indiana	3	82	68.05		2			1			2				4	2	6	7	6	6	4	4	5	5							
Iowa	2	73	79.20		2		1		1	1							1	16	7	13	14	1	9	3	1						
Kansas	2	20	67.59			1				1							5	4	4	9											
Michigan	8	78	68.01				1		1	1	9	2	4	5	6	14	10	2	2	9	1	6		4	2						
Minnesota	6	77	70.92		1			1	1		1	3	1	2	5	7	13	12	9	5	6	2	3	4	2	3					
Missouri	2	15	59.05										1	5	3					1											
Ohio	22	446	75.68		2	3	5	5	4	5	5	8	13	17	40	48	28	43	31	37	23	33	30	34	17	10	3	1			
Oregon	4	18	69.84			2													2	2			1								
Pennsylvania	23	512	79.71		1	4	1		5	5	8	9	9	11	24	25	42	47	43	72	52	40	35	39	20	13	6	2			
Washington	6	57	74.79			1					1	1	2	3	1	9	8	4	2	10	9	4	2	2	1						
Wisconsin	10	113	71.82		1	1	3		1	3	2	2	2	3	5	6	13	10	16	19	12	7	3	4	1						
Other States	2	14	65.23				1					2	2	2	2				1												
Total	105	1,712	75.84	1	10	16	13	9	18	17	26	41	35	55	98	140	138	178	154	205	138	113	95	114	53	27	10	5	3		
Molders, machine, male:																															
California	4	11	87.58											2					2			1	2		2	1					
Colorado	2	7	63.90										1	1	1	1	1		2												
Illinois	3	38	73.59							3			1	3	4	3	4		4	4	3	5	1	3							
Iowa	2	15	74.90				1				1			2	1				2	2	1				1						
Michigan	7	94	67.81		2	2	2	2	1	1	1	4	3	2	16	8	9	6	6	4	3	9	2	7	2	1	1				
Minnesota	6	37	69.54							1		1	7	5	4	2	2	1	1		3	3	2	4	1						
Ohio	13	241	59.11		2	4	5	3	8	9	8	9	25	24	26	27	26	8	16	8	6	5	5	8	2	1					
Pennsylvania	18	291	75.94		3	1	2	1	1	1	2	7	17	14	26	18	23	32	27	18	30	18	10	19	18	4	1	2	1		
Wisconsin	9	144	67.62		4	4	4	5	6	6		2	7	7	5	3	7	12	6	10	11	13	6	10	7	1	1	3	4		
Other States	4	11	71.50											2	3				1	1	1		2								
Total	68	889	68.78	6	13	11	14	12	17	11	17	28	61	58	82	68	78	69	69	43	60	47	34	51	27	8	5	8	2		

Molder's helpers, floor, male:																														
California	6	50	57.94							1	2	5	7	6	12	3	4	5	3	1	1									
Colorado	3	57	38.91	3		3	3	1	7	5	8	3	3	1	6	6	4	1												
Illinois	3	34	53.37		1					1	3	2	8	1	2	2	2	9	2	1	1									
Indiana	3	35	36.24	3	1	1	3	1	3	8	1	1	3	3	4	1	1	1												
Iowa	2	24	40.57			3	1	1	1		1	4	4	7	2															
Kansas	2	6	46.02								1	2	2			1														
Michigan	6	63	40.07		1	3	1	2	6	7	13	8	11	6	6	1	1	1		1		1								
Minnesota	5	41	41.46			2		2	6	3	4	11	4	4	1	2	1				1		1							
Missouri	2	11	34.07		1		1		1	2	2	2	2																	
Ohio	14	97	43.52	3	4	4	2	5	7	4	3	13	13	10	10	7	7	1	2	2										
Oregon	4	9	41.16		1					1	1	1	2	2	1															
Pennsylvania	18	308	50.85	4	3	4	3	4	8	17	24	46	54	38	33	20	10	10	10	7	4	2	2	3			1	1		
Washington	4	20	53.47			1				1	1	1		7	7		2	2												
Wisconsin	7	20	47.85			1			1		1	2		9	2	3	1													
Other States	2	24	36.41		3	1		1	6		1	1	3	2	6															
Total	81	799	46.56	13	15	23	14	17	47	49	67	107	121	95	85	44	36	21	17	12	6	3	2	3			1	1		
Pattern makers, male:																														
California	5	25	85.15								1							3	2	7	5	3	1	3						
Colorado	2	6	82.90																2	2		4		1	2					
Illinois	4	13	94.51														1	1			4	1	1	2	3					
Indiana	3	24	99.53																2		3	1	2	4		7			1	
Iowa	2	7	84.36										1	1																
Kansas	2	3	101.36															1	1											1
Michigan	10	76	81.13		1		2		2	1	2	3	3	3	1	2	6	3	8	9	5	8	6	1	1	2	10	1		
Minnesota	5	42	69.22							1	1	1			3	4	8	13	11	4	4	5								
Ohio	20	85	79.54		1				2		1	1	2	1	2	9	8	13	11	4	9	11	13	4	4		3	1		
Oregon	3	6	81.79											1			1			1	1			1	2					
Pennsylvania	23	197	103.34					2				2	1	2	3	6	3	10	16	19	11	15	13	17	23	17	10	11	16	
Washington	5	12	74.83			1	2								1		1	1		1	1	5	3	2	2					
Wisconsin	10	44	78.41											1	1	5	4	8	7	4	5	3	3							
Other States	3	9	72.58												3	1	1	1	1	1	1	1								
Total	97	549	88.98		2		3	4	2	2	3	6	8	9	10	32	34	52	43	55	54	50	34	36	37	32	12	12	17	

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period																							
Assemblers, male:																							
Alabama.....	6	26	\$25.07			1	6	7	3	5	4												
Connecticut.....	17	524	31.63			3	6	37	159	203	58	39	7	8	2	1		1					
Georgia.....	3	14	17.11	2	2	4	1	2	1	1													
Illinois.....	26	599	33.72	1	5	4	10	34	112	172	197	40	20	4	1								
Indiana.....	8	242	25.70	2	3	8	17	63	97	42	5	5											
Iowa.....	3	42	30.07					9	10	15	7	1											
Kentucky.....	2	7	24.48		1		1	4						1									
Maine.....	3	52	24.66				5	21	23	1	2												
Maryland.....	6	54	32.58		1		3	1	11	19	14	1	1	3									
Massachusetts.....	34	865	31.08	1	7	14	44	101	255	204	132	51	26	16	8	4				2			
Michigan.....	15	388	30.62		4	2	5	55	104	106	64	16	10	2									
Missouri.....	9	166	27.96	2		8	13	46	29	27	29	11			1								
New Hampshire.....	5	88	33.73			1		11	14	20	27	11	2	1	1								
New Jersey.....	19	461	37.25	2	3	13	10	34	67	89	103	39	36	13	18	18	8	2	4		1	1	
New York.....	18	866	31.48	2	4	12	32	63	226	327	85	77	21	10	1	1							
Ohio.....	42	937	30.18	3	10	14	30	126	263	290	129	41	17	9	5								
Oregon.....	2	3	26.44					3															
Pennsylvania.....	11	230	24.88		1	4	26	88	76	26	4	4			1								
Rhode Island.....	5	157	30.05					28	75	32	6	12		1	1					1		1	
Washington.....	2	15	27.73				1	2	6	5	1												
Other States.....	2	44	35.16	2	1	2		2	9	3	9	5	7		2	2							
Total.....	238	5,760	31.13	17	42	90	210	738	1,543	1,587	876	354	147	68	41	26	8	3	7	2	1		
Boring-mill hands and operators, male:																							
Alabama.....	3	9	29.56		1	1	1		1	1	2	1		1									
California.....	4	33	38.69		1			1		3	8	2		13									
Connecticut.....	16	127	34.59			2	4	6	30	36	25	8	6	3	2		1	1	3				
Georgia.....	6	11	24.48			2	1	2	3	3													

Illinois.....	25	195	36.94		2	4	1	5	13	45	72	35	10	3	3	2						
Indiana.....	13	55	30.63			1	2	3	15	21	11	2										
Kentucky.....	5	7	29.05					1	4	2												
Maine.....	2	9	28.51				1	2	4	3												
Maryland.....	3	7	34.10					1	3	3												
Massachusetts.....	25	133	31.16	1		2	4	12	35	49	18	5	4	2		1	1					
Michigan.....	12	93	30.45			1	2	31	21	17	8	5	3	2	1					1		
Missouri.....	8	40	31.86				2	4	11	11	7	5									1	
New Hampshire.....	3	10	26.92			1	1	1	3	4												
New Jersey.....	19	58	35.29		1	1	3		8	12	19	9	1	3						1		
New York.....	20	207	32.77		4	3	5	11	33	77	48	13	8	4	1							
Ohio.....	36	214	32.61	1		4	3	18	39	71	54	14	9	1								
Oregon.....	2	5	32.62						1	2												
Pennsylvania.....	18	136	32.56	1		2	2	15	34	32	29	13	5	1	1	1						
Rhode Island.....	5	31	29.70			1		6	10	6	6	2										
Tennessee.....	3	4	25.93					2	2													
Texas.....	5	9	28.72				1	3	2	1		2										
Washington.....	2	12	38.82							1	5	6										
Other States.....	4	25	36.33		1			5	6	2	3	3			2	3						
Total.....	239	1,430	33.11	3	10	25	36	129	275	401	320	125	59	22	10	8	2	2	3			
Drill-press hands and operators, male:																						
Alabama.....	6	25	19.48		2	5	7	4	6		1											
California.....	7	43	26.87				1	13	20	8	1											
Connecticut.....	18	159	28.42	2		1	11	27	49	46	12	10	1									
Georgia.....	6	17	17.07	1		5	7	2	1	1												
Illinois.....	26	556	30.84	2	7	11	24	54	148	182	75	30	16	7								
Indiana.....	12	213	26.24		6	7	10	69	61	41	13	6										
Iowa.....	2	70	26.02			3	5	27	20	8	6	1										
Kansas.....	2	7	19.47			1	1	5	5													
Kentucky.....	8	15	20.08	1		1	3	7	1	2												
Louisiana.....	2	6	26.33					2	4													
Maine.....	8	38	20.31			4	16	13	3	2												
Maryland.....	4	26	28.63					7	6	8	5											
Massachusetts.....	36	466	29.09	2	8	16	27	101	137	62	47	33	18	11	3	1						
Michigan.....	17	208	29.50	2	4	1	8	59	47	36	18	17	10	6								
Missouri.....	12	75	24.65		1	1	9	30	27	5	2											
New Hampshire.....	6	62	29.30	1			7	9	15	10	18	1	1									
New Jersey.....	25	145	29.03	1	2	3	8	29	40	39	16	3	1	1		2						
New York.....	20	448	28.83	1	3	15	21	66	156	100	68	13	2	2	1							
Ohio.....	40	397	26.45	6	8	17	35	92	115	80	28	12	3		1	1						
Oregon.....	4	11	29.61					5	6													
Pennsylvania.....	21	340	24.44	2	8	18	67	97	72	43	18	10	3	2								
Rhode Island.....	10	150	27.26		1	1	7	29	70	33	7	1	1									
Tennessee.....	4	8	23.08	1		2	1	3				1										
Texas.....	10	75	19.51	2	5	18	17	11	13	8	1											
Other States.....	2	30	30.56	1	1		3	4	4	5	6	4	2									
Total.....	303	3,590	27.69	35	56	128	296	758	1,023	725	342	142	58	29	4	4						

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Estab-lish-ments	Em-ployees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period—Continued																							
Fitters and bench hands, male:																							
Alabama.....	4	12	\$28.89		1			2	1	5	2	1											
California.....	7	166	35.43			2	1	1	6	68	11	7	2										
Connecticut.....	10	97	28.89		1		4	17	39	22	2	8	3										
Georgia.....	2	6	21.52				3	1		2													
Illinois.....	20	504	32.67	1	8	5	13	49	103	134	96	71	22	2									
Indiana.....	13	270	28.54		4	2	20	60	62	80	23	7	6	6									
Iowa.....	3	6	27.52					2	3		1												
Kansas.....	3	26	27.08				1	10	8	6	1												
Kentucky.....	8	52	27.52	1	1	2	3	10	11	15	8	1											
Maine.....	3	54	23.51		1	2	11	20	13	7													
Maryland.....	3	15	32.95						1	11	3												
Massachusetts.....	33	673	30.03	3	6	7	54	128	180	124	80	52	22	6	4	6					1		
Michigan.....	19	302	29.91	1	2	7	11	38	60	131	39	6	6	1									
Missouri.....	9	57	28.06		1	1	3	10	29	6	4	2	1										
New Hampshire.....	7	133	28.34		1	3	23	27	14	28	26	9	1	1									
New Jersey.....	25	309	31.70	1	2	4	8	33	78	77	64	24	15	2	1								
New York.....	19	1,332	33.35	1	3	12	35	97	246	317	394	176	38	11	2								
Ohio.....	38	673	26.67	2	9	15	58	149	262	138	27	10	2	1									
Oregon.....	2	10	34.90		1				1	2	2	3	1										
Pennsylvania.....	21	735	29.95	2	5	15	65	132	149	194	92	50	17	4	2	2	3				1	1	1
Rhode Island.....	10	378	28.72		1	6	16	48	196	68	14	15	13	1									
Tennessee.....	4	27	27.25				6	4	6	10	1												
Texas.....	8	87	25.95	3	3	5	9	12	23	21	10	1		1									
Washington.....	2	43	35.91		1			1	1	8	24	7		1									
Other States.....	2	15	29.32			1	1	2	2	5	2	2											
Total.....	275	5,982	30.49	15	51	93	342	853	1,494	1,479	983	456	154	38	9	8	3				2	1	1

Grinding-machine hands and operators, male:																	
Connecticut.....	17	116	30.19	1	1	6	23	28	31	16	3	3	3				
Illinois.....	16	319	32.68			2	14	43	64	83	38	7	3	1	2	1	
Indiana.....	8	88	33.91			3	13	13	17	21	12	7	2				
Iowa.....	2	23	27.40	2				4	5	10							
Kansas.....	2	2	21.05			1	1	1									
Kentucky.....	2	2	24.93					1									
Maine.....	2	43	20.82	1	1	16	18	6	1								
Maryland.....	4	22	34.58				2	4	5	10		1					
Massachusetts.....	31	174	29.26	3	3	12	30	53	32	28	8	1	2	1	1		
Michigan.....	13	46	28.56		2	1	3	21	9	8	2						
Missouri.....	7	18	26.04	1		2	3	8	4								
New Hampshire.....	4	24	27.54			3	7	3	7	4							
New Jersey.....	10	43	31.41	1	2	4	9	10	6	6	3						
New York.....	17	227	30.79	1	3	13	26	53	76	37	13	1	4				
Ohio.....	37	154	28.55	1	1	14	28	50	35	14	6	3	1				
Pennsylvania.....	18	118	30.48		3	5	28	21	24	18	16	2		1	1		
Rhode Island.....	9	148	29.68		1	3	17	45	72	10							
Other States.....	4	17	31.65	1		1	1	4	1	7	2						
Total.....	203	1,584	30.36	3	10	19	96	252	388	396	264	105	28	15	3	4	1
Laborers, male:																	
Alabama.....	6	40	14.40	1	3	17	17	2									
California.....	6	41	23.87		1	1	3	22	9	5							
Connecticut.....	17	312	22.79	4	2	14	48	154	59	24	5	2					
Georgia.....	9	58	11.45	3	15	34	5	1									
Illinois.....	27	962	24.77	5	20	21	86	399	299	70	36	23	3				
Indiana.....	13	388	22.56	2	7	3	61	212	83	12	6		1	1			
Iowa.....	4	47	21.43		1	2	14	22	6	1	1						
Kansas.....	3	22	19.60	1	1		12	6		1	1						
Kentucky.....	7	33	18.87			3	14	15	1								
Louisiana.....	4	32	15.73	3	3	12	6	3			1						
Maine.....	4	59	18.86		1	7	27	19	5								
Maryland.....	8	79	21.84		1	3	22	40	12	1							
Massachusetts.....	38	965	23.14	7	19	60	227	355	137	66	56	18	7	2	1		
Michigan.....	18	437	22.64	5	9	15	118	127	118	27	12	6					
Missouri.....	11	97	19.62		3	2	43	47	2								
New Hampshire.....	8	55	20.43		1	5	16	24	7	2							
New Jersey.....	27	379	24.10	3	7	12	44	158	102	30	15	6	1	1			
New York.....	21	1,034	21.53	3	14	39	260	558	120	34	10	1					
Ohio.....	43	772	21.16	5	14	55	216	345	109	23	2	2	1				
Oregon.....	2	3	20.69				1	2									
Pennsylvania.....	21	775	19.64	16	17	79	230	256	115	41	16	2	2			1	
Rhode Island.....	12	354	22.69	2	6	9	50	199	60	23	5						
Tennessee.....	5	30	13.63	2	3	9	16										
Texas.....	11	80	18.87	6	9	15	15	13	12	6	2	2					
Other States.....	2	23	21.24		3	1	1	13	4	1							
Total.....	827	7,067	22.04	73	160	418	1,542	2,992	1,264	367	168	62	15	4	1	1	

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period—Continued																							
Lathe hands and operators, engine, male:																							
Alabama.....	5	32	\$53.89		1		2	5	5	10	9												
California.....	6	107	37.41							6	11	4											
Connecticut.....	18	247	31.80			5	20	85	68	29	17	10	1	5			1						
Georgia.....	5	23	25.30		1	1	1	9	4	5													
Illinois.....	28	558	35.22		6	8	8	25	87	135	177	72	14	13	8	2	2	1					
Indiana.....	13	133	30.04		1	2	4	22	34	39	22	7	2										
Iowa.....	2	30	27.20				2	5	12	7	2												
Kansas.....	4	19	29.59					3	11	1													
Kentucky.....	7	27	28.04		1		1	6	9	6	2	1	1										
Maine.....	4	67	22.90				2	16	29	13		1											
Maryland.....	5	49	27.87			3	5	1	2	8													
Massachusetts.....	33	534	29.24		1	3	6	46	101	148	121	56	28	13	6	2	1	2					
Michigan.....	14	141	31.35		1	1	1	5	10	17	49	21	7	7	1								
Missouri.....	10	113	29.32				2	7	16	25	38	22	3										
New Hampshire.....	7	74	29.35				1	10	18	8			2	1									
New Jersey.....	25	220	34.08			3	3	1	17	23	52	93	15	9	4								
New York.....	21	516	33.59		1		6	13	19	94	207	101	34	20	13	2	5		1				
Ohio.....	41	497	29.22		2	11	5	26	63	146	153	74	13	2	1		1						
Oregon.....	2	17	35.70						1	5													
Pennsylvania.....	20	407	30.17			4	4	18	86	100	79	27	12	1	4	1							
Rhode Island.....	9	174	29.32				2	4	21	63	64	15	4										
Tennessee.....	2	4	30.30																				
Texas.....	7	79	32.40			1		2	8	17	21	20	6	3	1								
Washington.....	2	41	36.23			1			1	6	4	21											
Other States.....	2	18	34.90					4		3			2	4									
Total.....	292	4,127	31.48	5	39	52	176	481	949	1,132	818	274	113	47	22	11	5	2	1				

Lathe hands and operators, turret,
male:

Alabama	3	14	29.33					1		6	6	1							
California	6	23	39.25								12	1	2			1	1		
Connecticut	16	107	32.26		1			1	9	33	26	24	6	6	1				
Georgia	3	6	22.05			3				1	2								
Illinois	20	380	35.58	1	2	1		15	22	45	83	107	70	19	9	3	2	1	
Indiana	12	139	30.69	1		2		5	21	35	39	23	11	2					
Iowa	3	29	29.12					2	6	9	4	7	1						
Kentucky	5	17	22.16			1		2	11	3									
Maine	4	67	20.52		2	3		28	27	5	2								
Maryland	3	17	23.33		2	3		2	5	3	1	1							
Massachusetts	30	413	30.66		6	10	38	62	92	92	42	35	11	13	9	2		1	
Michigan	12	225	27.74	6	5	9	9	28	70	67	23	7			1				
Missouri	7	33	23.19			1	9	12	7	3	1								
New Hampshire	7	58	32.89			1	2	9	11	16	6	7	2	2	1		1		
New Jersey	23	128	33.00			2	3	12	18	40	41	6	3	2		1			
New York	20	167	30.21		1	3	9	14	36	76	22	4	2						
Ohio	35	186	28.62		8	4	6	32	52	58	13	8	3	2					
Pennsylvania	15	155	28.04	1	1	5	10	32	49	32	18	6		1					
Rhode Island	6	73	29.35		1		6	6	30	23	3	2	1			1			
Tennessee	2	2	25.65					1	1										
Texas	5	121	26.83		1	8	10	24	38	22	16	2							
Washington	2	12	34.91						2	2	4	4							
Other States	2	9	36.59						3	2	2	1		3					
Total	241	2,381	30.40	9	30	56	158	328	551	604	365	171	54	30	15	7	2	1	

Machinists, male:

Alabama	7	52	33.31		1	2	1	3	4	11	22	8							
California	12	185	36.19		1	1	2	3	8	51	87	20	9	1		1			
Connecticut	12	122	32.77			1	2	10	17	65	14	8	2	1	1				1
Georgia	11	67	32.48	1		2		4	11	30	16	1		1	1				
Illinois	19	223	38.69		1	2	2	2	10	41	72	65	13	8	1	4	2		
Indiana	7	63	33.57			1	2	1	3	11	26	15	5	1		1			
Iowa	5	45	29.51			1	1	7	15	14	5	2							
Kansas	6	47	36.59			2			8	15	7	8	8	1	2	1			
Kentucky	7	41	29.82			2		2	13	19	3	2							
Louisiana	5	55	34.99			2		3	7	12	17	8	4	1	1				
Maine	4	55	26.46				3	11	28	10	2								
Maryland	7	176	30.01		2	3		9	67	76	14	4	1						
Massachusetts	28	234	30.26	1	2	2	9	43	60	66	24	12	10	3		1			1
Michigan	18	215	36.62		1	3	2	7	31	53	39	50	15	9	2	1	1		1
Missouri	9	46	37.07					1	4	13	17	8	2			1			
New Hampshire	3	116	32.28					9	21	67	17	2							
New Jersey	24	147	55.33		1	3	3	4	14	65	31	13	13	6	3	1			
New York	20	249	33.52		1	4	1	6	36	118	67	9	6	1					
Ohio	19	80	33.11					5	13	38	19	1	2	1		1			
Oregon	4	22	34.42			1			1	15	1	2			1				
Pennsylvania	19	181	34.45			1	10	14	45	35	32	21	11	2	3	1			6
Rhode Island	11	231	30.12		2			14	74	111	19	4		1					
Tennessee	7	61	35.23			1	1	2	7	20	18	7	4	1					

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85

One-week pay period—Continued

Machinists, male—Continued.																							
Texas.....	11	102	38.45	1	2	1	2	3	10	15	23	16	19	4	2	4							
Washington.....	3	16	37.72					1	3		9	2	2										
Other States.....	1	7	34.70						1	1	3	1											
Total.....	279	2,838	33.73	3	15	32	48	166	519	977	593	279	118	41	18	15	5	6	2		1		
Machinists' and toolmakers' helpers, male:																							
Alabama.....	4	7	26.96				2	1			4												
California.....	12	81	26.06			1	2	29	40	5	3	1											
Connecticut.....	7	91	23.69			3	21	41	17	2	2			2									
Georgia.....	3	13	16.25			1	6	3	1	2													
Illinois.....	14	89	29.08	1			2	14	37	23	9	3											
Indiana.....	5	38	23.96				1	23	14														
Kansas.....	6	17	20.84	1		1	8	4	1	1													
Kentucky.....	3	5	19.80			1	1	2	1	1													
Louisiana.....	4	13	19.77			1	9	1	1		1												
Maine.....	2	9	17.99			1	1	4	3														
Maryland.....	5	37	18.96			3	3	19	7	4	1												
Massachusetts.....	15	50	22.44			3	13	19	14	1													
Michigan.....	16	187	24.63	1	5	5	14	78	43	26	9	4	2										
Missouri.....	8	15	21.21			1	3	8	3														
New Jersey.....	15	61	26.79	2	1	1	3	20	16	3	2		2									1	
New York.....	15	183	24.09			2	7	9	108	40	15	2											
Ohio.....	12	49	23.22				3	6	21	14	5												
Oregon.....	4	13	25.06					7	6														
Pennsylvania.....	15	184	23.78			6	11	34	79	26	10	5	5	1	6	1							
Rhode Island.....	5	43	24.80				1	15	27														
Tennessee.....	6	13	21.23				4	1	3	4	1												
Texas.....	9	56	20.09	2	3	4	25	10	8	1	2	1											

Washington	2	3	25.51				1		1	1											
Other States	3	8	25.44				1	3	2	2											
Total	190	1,265	24.04	7	22	56	183	497	321	110	37	16	5	8	1	1				1	
Milling-machine hands and operators, male:																					
Alabama	3	5	24.54			1	1	1	2												
California	2	9	33.76				1	1	1	4	2										
Connecticut	18	160	30.01			2	5	21	57	46	13	10	5	1							
Illinois	20	255	35.60			1	2	15	50	54	85	18	19	7	3				1	1	
Indiana	12	57	29.62			4	2	7	14	17	12								1		
Kentucky	4	9	22.01			1	2	3	3												
Maine	3	27	22.07				3	14	3	2											
Maryland	4	30	30.06			1	1	3	1	5	11	6	2								
Massachusetts	32	339	29.09			5	9	30	63	86	53	27	16	9	7	2	1		1		
Michigan	18	107	30.54			1	4	5	12	29	26	16	7	5	1	1					
Missouri	9	23	28.39			1	2	5	5	5	5	4	1								
New Hampshire	7	58	30.01			1	7	10	5	12	14	4									
New Jersey	17	68	33.46			1	2	5	12	15	22			4	1					1	
New York	19	497	32.95			2	5	7	10	29	79	177	132	40	6	2				1	1
Ohio	43	261	29.30			2	2	5	12	45	71	69	41	11	2	1					
Oregon	2	4	41.91																		
Pennsylvania	20	194	29.95			1	3	14	37	40	47	30	18	2					1		
Rhode Island	3	142	29.13			1	1	1	16	65	44	9	5								
Tennessee	3	5	23.77						3												
Texas	3	34	28.77					1	7		1	3	1	1							
Washington	2	4	38.20			1			12	8		2	2	1							
Other States	4	28	28.71			1	2	1	3	7	8	4	1	1							
Total	253	2,306	30.95	5	17	45	100	207	545	629	424	138	55	27	8	1	4	2			
Planer hands and operators, male:																					
Alabama	4	9	31.40	1				2		2		4									
California	6	13	39.53						5	4											
Connecticut	14	146	35.16					8	25	53	29	17	5	6	1					1	
Illinois	20	137	41.63				1	1	17	17	32	21	18	17	6	5				1	1
Indiana	10	34	29.77				1	6	9	10	8										
Kentucky	4	7	32.87						1	4	2										
Maine	3	12	24.92				3	2	4	3											
Maryland	2	12	30.26			1	1		1	7	1				1						
Massachusetts	32	210	31.08	2			5	23	58	63	32	13	7	1				1	1		
Michigan	12	77	32.88			2	1	8	20	21	15	3	1	2	1	2			1		
Missouri	5	18	29.59				2	2	6	8	2										
New Hampshire	6	16	25.70			1	5	2	2	4	2										
New Jersey	19	81	36.34			1		1	3	18	36	12	3	1	1						
New York	20	181	33.71				3	4	8	24	77	37	20	2	2	4					
Ohio	36	222	30.77	1	3		3	8	36	50	61	33	15	9	3						
Pennsylvania	18	87	34.16			2	1	14	18	17	14	7	4	6	2	1			1		
Rhode Island	8	33	30.50			1	2	3	13	5	6	1	1								
Texas	3	6	33.02				1	1	1	1	1	2									
Other States	4	13	35.47					1	2	1	5	4									
Total	228	1,314	33.53	4	5	17	34	115	259	377	259	119	53	40	16	10	2	2	1	1	

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																			
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and over	
One-week pay period—Continued																							
Screw-machine hands and operators, male:																							
Connecticut.....	10	88	\$30.17	1			3	14	10	8													
Illinois.....	12	118	34.76			2	10	32	27	20	15	6	3	1	1	1							
Indiana.....	9	54	31.14				5	21	19	3	5	1											
Kentucky.....	4	5	22.83		1		2	2															
Massachusetts.....	27	176	\$1.62	1	4	10	27	44	32	26	13	11	5	3									
Michigan.....	12	53	34.57				3	16	8	11	11	3		1									
Missouri.....	6	13	25.27				2	1	9	1													
New Hampshire.....	2	17	28.40	1			1	2	4	5		3	1										
New Jersey.....	6	12	32.56				1	2	3	6													
New York.....	14	212	31.10		2	10	14	54	87	35	6	3	1										
Ohio.....	31	125	30.43			8	22	31	44	21	3				1								
Pennsylvania.....	16	105	25.89		2	8	7	41	27	15	6	4											
Rhode Island.....	10	94	29.44	1	1		18	43	22	10	1	3											
Other States.....	7	42	27.21	1	1	1	6	9	9	7	6				1								
Total.....	166	1,064	30.69	3	6	14	38	153	308	280	155	62	27	9	5	3	1						
Toolmakers, male:																							
Alabama.....	2	2	40.69							1	1												
California.....	6	19	36.98						1	2	12	4											
Connecticut.....	16	107	35.16			1	6	13	25	44	10	7	1										
Georgia.....	5	6	40.03							4	1	1											
Illinois.....	21	182	39.18		2	1	2	7	28	60	40	31	6	5									
Indiana.....	12	105	34.41	2	1	1	4	2	36	35	20	3	1										
Iowa.....	2	18	34.86				1	2	6	6	2		1										
Kentucky.....	4	6	36.77				1	1		4	1												
Maine.....	4	14	27.40				4	5	5														
Maryland.....	4	37	32.14			3		5	20	7	2												
Massachusetts.....	34	236	34.35	1		1	4	9	35	77	80	9	11	5	1	1			2				
Michigan.....	18	150	36.19	1	3	2	5	3	18	27	46	31	10	2	4	3							

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																										
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and under \$95	\$95 and under \$100	\$100 and under \$110	\$110 and under \$120	\$120 and under \$130	\$130 and under \$140	\$140 and under \$150	\$150 and over	
Two week or half-month pay period—Continued																														
Boring-mill hands and operators, male—Continued.																														
Oregon.....	3	8	\$70.73																											
Pennsylvania.....	21	209	77.34			1				5	1	4		8	11	19	19	27	20	24	20	11	19	11		2	2		1	
Washington.....	2	7	78.44				1														2									
Wisconsin.....	13	127	83.39				1					3	2	3	16	11	11	15	13	8	12	7	10	8		4	1		2	
Other States.....	4	12	65.06						1			1		2	1	3	1	2				1								
Total.....	102	705	75.51	3	5	2	2	8	5	10	5	20	29	26	63	71	83	82	68	52	43	33	50	27	10	4			4	
Drill-press hands and operators, male:																														
California.....	6	32	61.46				1		1	3	1	4	2	3	3	2	5	2	2	1	1	1								
Colorado.....	2	20	54.76	1							1	4	3	4	3	1	3													
Illinois.....	8	55	69.16			1	2			1		2	5	4	4	10	6	4	4	3		4	5							
Indiana.....	2	22	61.58								1	1	2	5	6	3	4													
Iowa.....	2	46	42.79	2	1		1	1	2	2	15	11	6	2	3															
Kansas.....	2	4	31.21				1																							
Michigan.....	9	66	50.64	1	1		1	1	1	8	8	13	7	9	8	2	3	1												
Minnesota.....	6	76	51.31	1	2	1	3	5		2	5	8	9	5	12	4	4	3	1		1		2							
Missouri.....	3	9	41.88				1		2			1	1	1	2															
Ohio.....	30	338	54.36		8	7	4	6	5	3	9	27	35	52	61	46	31	19	9	9	2	2	1	2						
Oregon.....	3	23	47.89				1	1	2	2		1	2	3	7	2	2													
Pennsylvania.....	24	403	69.54		2	4	2	5	10	7	9	22	26	27	30	23	22	25	35	34	46	24	23	20	5	2				
Washington.....	5	20	54.94				2	2		1		2	3	3	3	3	3	3												
Wisconsin.....	15	268	59.43	2	4	1	2	2	5	5	4	8	16	32	52	46	31	26	11	9	2	2	2	5	1					
Other States.....	3	40	34.62	2	4	2	2	3	8	5	3	1	2	1	1	1	1	1		1	1		1							
Total.....	120	1,422	58.96	9	23	16	20	25	33	32	43	97	131	144	194	154	112	103	65	60	57	29	35	32	6	2				

TABLE F.—AVERAGE AND CLASSIFIED ACTUAL EARNINGS BY EMPLOYEES IN 22 SPECIFIED OCCUPATIONS, 1925, BY PAY PERIOD, SEX, AND STATE—Continued

MACHINE SHOPS—Continued

Occupation, sex, and State	Number of—		Average actual earnings per pay period	Number of employees whose earnings per pay period were—																										
	Establishments	Employees		Under \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and under \$80	\$80 and under \$85	\$85 and under \$90	\$90 and under \$95	\$95 and under \$100	\$100 and under \$110	\$110 and under \$120	\$120 and under \$130	\$130 and under \$140	\$140 and under \$150	\$150 and over	
Two-week or half-month pay period—Continued																														
Milling-machine hands and operators, male—Continued.																														
Wisconsin.....	15	126	\$66.33			1				1	3	4	5	9	19	16	22	13	12	6	7	5	2		1					
Other States.....	3	10	58.82								3				3	2	1					1								
Total.....	86	619	71.13	3	3	7	4	2	4	10	10	18	25	29	70	63	71	59	45	41	33	27	20	34	22	10	1	2	1	
Planer hands and operators, male:																														
California.....	6	14	87.53													1		1	5	2	1			2	2					
Colorado.....	2	8	76.38														3		1		1									
Illinois.....	7	11	76.17								1					1	1	3	1	1	1	1			1					
Indiana.....	2	11	81.43													3	1	1		1	1	3				1				
Iowa.....	2	4	73.78												1		1				1	1								
Michigan.....	6	33	55.71				1	4				5	2	2	3	3	2	1	3	2	1			2						
Minnesota.....	5	12	64.54						1	1					1	1	2	4	2											
Missouri.....	2	3	62.79												1	1	1													
Ohio.....	27	199	77.29		2	1	1	2	1	1		2	8	11	6	13	23	23	28	12	7	17	11	13	11	4	2			
Oregon.....	2	2	42.59																1											
Pennsylvania.....	21	103	87.10		1		1			1	4	2	2	4	3	4	6	5	12	6	5	7	10	10	6	3	6	2	3	
Washington.....	3	10	64.25				1								2	2	2		2					1						
Wisconsin.....	13	111	73.87					1			5	1	5	5	15	14	13	11	17	5	5	5	5	5	2	1				
Other States.....	3	3	61.52								1				1			1												
Total.....	101	524	76.58		4	1	4	7	2	6	4	16	13	24	20	45	56	52	68	42	23	34	26	33	22	9	8	2	3	
Screw-machine hands and operators, male:																														
California.....	4	19	75.84								1			1	2	3	2	2	3		3	1	1							
Colorado.....	2	2	59.84												1	1														
Illinois.....	4	10	77.43												3	1	2	2	2				1	1			1			
Michigan.....	4	21	54.12		1	1				2	3		1	1	1	3	2	2	2											
Minnesota.....	2	11	82.17									1	2	1	1	2	1					1				1		2		

Ohio.....	13	144	64.44	1	4	2	2	2	2	5	5	5	14	13	15	17	12	9	8	11	10	3	1	2		1			
Pennsylvania.....	5	107	85.67							1		1	2	2	6	7	8	13	22	12	12	7	4	2	5			3	
Wisconsin.....	12	93	62.39				2	1			4	3	12	20	17	16	7	2	2	3	3			1					
Other States.....	3	11	61.29								1	3	2	1				2	1	1									
Total	49	418	70.09	2	5	2	2	4	5	10	11	15	35	40	45	47	34	30	38	27	23	13	7	5	6	2	2	3	
Toolmakers, male:																													
California.....	3	17	91.42															4	2	2	2	2	5						
Colorado.....	2	3	81.08														1		1	1									
Illinois.....	5	16	82.67														4	1	4	4	2	1							
Indiana.....	2	19	72.25											3		7	6				1	2							
Iowa.....	2	9	68.40											1	1	2	2	2											
Michigan.....	10	43	71.25						1	1	1	3	3		1	9	11	5	2	2	1	1		1	1				
Minnesota.....	4	21	71.95	1											1	4	6	3	3	3									
Missouri.....	2	2	74.81													1			1										
Ohio.....	22	133	76.09	2					1				4	5	9	12	24	25	19	14	12	3	2	1					
Pennsylvania.....	16	124	79.50								3	2		2	3	20	25	25	4	15	6	4	9	3	1	2			
Washington.....	2	4	78.78														1	2											
Wisconsin.....	15	152	73.80		1	2		1	1		1	2	5	6	15	20	31	24	14	6	5	9	6	3					
Other States.....	5	12	77.70												2	1		4	3	1	1								
Total	90	555	76.17	3	1	2	1	2	1	5	5	13	20	32	76	111	95	54	48	30	22	22	8	2	2				

APPENDIX

DESCRIPTION OF FOUNDRY AND MACHINE SHOP OCCUPATIONS

FOUNDRY

Chippers and rough grinders cut or chip projecting points from the castings, using hammer and cold chisel or pneumatic chisel, or a rough-grinding machine.

Core makers make cores of sand and a liquid binder and possibly other substances, using a mold or core box to shape the cores. Cores are used in molds to make hollows in castings.

Crane operators operate power cranes used in moving molds, castings, ladles, etc., about the foundry.

Cupola tenders attend the cupola in which pig iron, scrap, or steel is melted, tap or open the cupola, and run the melted metal into ladles.

Laborers are common unskilled workers who carry cores, fill and empty ovens, attend fires, cut core wire, etc., in core-making room; assist the craneman; assist the cupola tender as stockers, charges, firemen, and cleaners; assist the molder in handling sand and flasks; move castings; knock off sprues or gates from castings; clean castings by sand blast, tumbling, or pickling; and do any other common unskilled work.

Molders make the molds for castings and pour melted metal into the molds from ladles. The molds are hollow impressions made in sand or loam by packing such sand around patterns and cores. The molder then removes the pattern and the sand retains its hollow shape without the support of the pattern. The molds are made in boxes or flasks. Cores are placed in the molds by the molders when hollow castings are to be made. Figures are shown in this report for three classes of molders, namely:

Molders, hand, bench, work by hand making small-sized molds.

Molders, hand, floor, work by hand on the floor of the foundry making larger-sized molds.

Molders, machine, use machines in making molds.

Molders' helpers, floor, help the floor molders in making molds.

Pattern makers make the patterns which are models constructed of wood or metal.

Rough carpenters make flasks for molds and do general rough repair work, or assist pattern makers.

Other foundry employees include all other skilled or semiskilled workers not properly included in any occupation above.

MACHINE SHOP

Assemblers assemble or bring together the various small parts, pieces, or units of which a machine or engine consists and fasten them together with nuts, bolts, and screws, thereby forming larger units or a complete final unit. The distinction between assemblers and fitters is that the assemblers do little or no filing, scraping, or other fitting.

Blacksmiths are skilled workers who shape light or medium-sized forgings and do general anvil work, using forge, anvil, and hammer.

Blacksmiths' helpers are persons of some degree of skill who assist blacksmiths and tool dressers in their work.

Machine hands and operators.—The word "machine" here technically means machine tool, which is any power-driven machine used in metal working. Hands and operators as used in connection with a machine are persons (a) who set up and operate that one particular machine, or (b) who operate that machine but do not set it up. There are so many degrees of proficiency between these two

classes and they are so difficult of satisfactory separation that they are combined as machine hands and operators. These employees generally are not machinists as they do not do the many kinds of work that can be done by a machinist. As a rule they are trained in the use of only one machine. An employee who worked on two or more machines during the pay period was classed as a machinist, provided he was an all-round machinist; otherwise he was classed as a machine hand and operator on the machine on which he worked the greater time.

Separate figures are given for machine hands and operators on certain of the more commonly used machines, namely, boring mill, drill press, grinding, lathe, milling, planer, and screw. The machine hands and operators on less frequently used machines, as gear cutter, polisher, buffer, punch press, shaper, shear, etc., are put in one group designated as "other machine hands and operators."

Crane operators. (See under Foundry.)

Fitters and bench hands.—Fitters do necessary chipping, filing, scraping, and reaming of machine parts to make correct mechanical adjustments in connection with fitting such parts together. Bench hands do similar work on parts to make them of proper shape and measurement but do not put the parts together.

Laborers truck or carry material about the shop or yard; give unskilled assistance to other employees; load and unload furnaces; do sand blasting; load and unload cars; sweep; rub machines; and do any other common unskilled work.

Machinists are persons who (a) repair or adjust one or more kinds of machines used in a machine shop; (b) set one or more kinds of automatic or semiautomatic machines without operating them; (c) set up and operate at least most of the kinds of machines usually found in machine shops. Each of these three groups may also do bench work or fitting. A man may have been qualified as an all-round machinist, but if he was actually employed as a machine hand during the pay period taken he is so classified in this study. In highly specialized shops few employees were found who could be properly classed as machinists. A man who both set up and operated only one machine or a man who operated one or even several machines but did not also set them up was classed as a machine hand and operator.

Machinists' and toolmakers' helpers are persons of some degree of skill who assist machinists and toolmakers in their work.

Packers and craters prepare and pack articles for shipment.

Toolmakers are skilled men who make and repair tools, jigs, dies, and gauges.

Other skilled machine-shop occupations.—This group includes all skilled workers not covered in other occupations. They are all put in this one class because no one occupation includes a sufficient number to warrant a separate tabulation. Some of the more important occupations in this group are in the forge shop and in the heat-treating department, as follows:

Hammersmiths set up dies and operate drop, steam, or Bradley hammers in the making of forgings, assisted by helpers who operate the furnace or forge and assist on the operation of the hammer.

Straighteners straighten castings or forgings by machine or by hand with a hammer.

Switchboard operators watch the temperature of the various furnaces in the heat-treating department as recorded by the switchboard and signal the furnace tender when temperature is too high or too low.

Furnace tenders regulate the temperature, open and close the furnace and supervise the loading of the furnace by laborers (furnace tenders' helpers and packers) with parts to be treated. In plants having no switchboard operator the furnace tender watches the switchboard.

Annealers, hardeners, and case hardeners operate small furnaces used in annealing or hardening small parts.

Also included in this group are inspectors of stock or of work, layers-out, markers, millwrights, pattern makers for machine work, sheet-metal workers, welders, and other skilled workers not elsewhere provided for.

Other machine shop employees include such semiskilled persons as are not provided for elsewhere.