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JAMES J. DAVIS, Secretary
BUREAU OF LABOR STATISTICS
ETHELBERT STEWART, Commissioner

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WAGES AND HOURS OF LABOR SERIES

WAGES AND HOURS OF LABOR
IN LUMBER MANUFACTURING
1923



AUGUST, 1924

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BULLETIN OF THE U. S. BUREAU OF LABOR STATISTICS

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WAGES AND HOURS OF LABOR IN LUMBER MANUFACTURING IN THE UNITED STATES, 1923.

INTRODUCTION AND SUMMARY.

Earnings per hour and per week and hours of labor per week in lumber manufacturing in the United States as of 1923 are presented in this report. Sawmill operation only is covered; logging is not included. Comparative summary figures are shown for each year from 1907 to 1923, except the years 1914, 1916, 1917, 1918, 1920, and 1922, in which years no investigations were made.¹

The data here compiled were collected by special agents of the United States Bureau of Labor Statistics who were sent to representative sawmills in the 23 States in which the industry is of importance, as determined by census figures for 1919. The agents obtained from the pay rolls the figures for one pay period varying in length in the different mills from one week to one month.

Of the 252 schedules, 107 were for a one-week pay period, 11 were for a two-week pay period, 77 were for a half-month pay period, and 57 for a month pay period. The two-week and the half-month schedules have been combined in the tables showing different lengths of pay periods. The data were taken from June pay rolls for 210 of the 252 schedules. The remainder were taken for periods as near June as representative data could be obtained.

Of the 252 mills scheduled, 3 made no report, 48 reported no net change in wages since July 1, 1921; 8 mills reported net reductions, 1 of which is 25 cents per day and 7 range from 4 per cent to 20 per cent or an average of 14 per cent decrease per mill; 193 mills reported net increases for the same period. Of this number, 118 range from 1 per cent to 50 per cent or an average increase per plant of 16 per cent; 37 mills made increases averaging 52 cents per day per mill; 33 mills averaged increases of 8 cents per hour per mill, and 5 mills report a percentage and hourly or daily rate combined.

Of the 252 mills canvassed 11 reported payment of 50 per cent increase for overtime work. Ten of these mills are located on the Pacific coast and one in Maine. The other 241 mills pay the same rate for overtime as for regular time. Apart from the above, some mills pay workers, in the skilled mechanical trades only, an extra rate for overtime.

¹ Earlier publications of the Bureau relating to the lumber industry are: Nineteenth Annual Report and Bulletins Nos. 59, 65, 71, 77, 129, 153, 225, 265, and 317.

It is evident from the above figures and others herein published that wages in the industry since July 1, 1921, have substantially increased.

Table 1 shows by States the average number of employees in the industry as reported by the United States Census of Manufactures, May to October, inclusive, 1919; the number of establishments from which the bureau obtained data for 1923; the number of employees for which figures are shown in this report; and in addition, the average full-time hours per week, the average earnings per hour, and the average full-time earnings per week for all employees covered in each State taken as a collective group, all occupations combined. As all sawmills do not operate throughout the entire year the average number of wage earners during the period of May to October, 1919, is used to show the size of the industry as measured by wage earners employed.

Full-time hours per week are the regular customary hours during which under normal conditions the employees in an occupation are on duty. The full-time weekly earnings are the earnings of employees working full time or the earnings on broken or short time reduced to equivalent earnings for a full week.

According to the Census of Manufactures, 1919, about 91 per cent of the total number of wage earners in the industry are found in the States in which the establishments furnishing information to the Bureau of Labor Statistics are located. The number of employees for whom the bureau obtained 1923 data and for whom detailed information is presented in this report is nearly 15 per cent of the total number in the industry, as reported in the census of 1919.

TABLE 1.—NUMBER OF ESTABLISHMENTS AND OF WAGE EARNERS REPORTED AND AVERAGE HOURS AND EARNINGS, IN LUMBER MANUFACTURING, 1923, BY STATE.

State.	Average number of wage earners reported by United States census, May-October, 1919.	Number of—		Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week
		Estab-lish-ments in this survey.	Wage earners in this survey.			
Alabama.....	15,903	14	2,493	61.2	\$0.242	\$14.91
Arkansas.....	23,108	16	3,477	60.7	.278	16.87
California.....	11,015	9	2,074	56.9	.515	28.30
Florida.....	13,774	17	2,111	61.6	.274	16.88
Georgia.....	8,017	12	1,240	61.4	.210	12.89
Idaho.....	4,813	4	1,042	48.3	.549	26.52
Kentucky.....	4,840	13	1,803	58.5	.318	18.60
Louisiana.....	28,365	17	4,115	61.5	.278	17.10
Maine.....	6,603	10	766	58.9	.352	20.73
Michigan.....	8,999	6	1,345	59.8	.411	24.58
Minnesota.....	6,957	4	1,619	60.8	.437	26.57
Mississippi.....	22,692	9	3,775	60.5	.296	17.91
Montana.....	1,856	4	2,910	51.6	.515	26.87
North Carolina.....	12,063	20	2,061	61.4	.241	14.80
Oregon.....	15,315	9	2,102	48.5	.571	27.69
Pennsylvania.....	3,958	5	546	60.5	.443	26.80
South Carolina.....	6,653	7	1,110	61.5	.225	13.84
Tennessee.....	9,163	16	1,642	59.1	.303	18.20
Texas.....	10,736	8	2,391	60.5	.297	17.97
Virginia.....	9,044	11	1,210	60.7	.232	17.12
Washington.....	33,275	23	5,289	48.5	.545	26.43
West Virginia.....	5,910	9	956	60.7	.376	22.82
Wisconsin.....	13,449	9	1,991	60.3	.379	22.85
Other States.....	27,104					
Total.....	303,661	252	45,068	58.1	.362	21.03

Table 1 shows by States the average full-time hours and earnings per hour and per full-time week in 1923 for all employees thrown into one common group. Table 2 presents like figures for each of the more important occupations¹ not only for 1923 but for years back to 1907 so far as data are available. In addition, the table contains index numbers (percentages) which aid in making comparison of the averages for the several years. The year 1913 is taken as the base or 100. To illustrate the table, reference is made to head sawyers on band saws. Here it is seen that the average earnings per hour were 55.7 cents in 1913, which increased to 88.3 cents in 1923. The corresponding index numbers show an increase from 100 to 159, indicating an increase of 59 per cent in hourly earnings in the 10-year interval. The greatest percentage of wage increase in the 10 years was for trimmer operators who had an increase from 21.7 cents per hour to 43 cents per hour or, as the index numbers show, an increase of 98 per cent. It will be observed that some of the occupations suffered a wage decrease as between 1919 and 1923.

Particular attention is called to the index numbers for the industry as a whole, all occupations combined, which appear at the end of Table 2. These index numbers computed back only to 1910 show 94 per cent increase in wages per hour between 1913 and 1919. Between 1919 and 1921 there was a reduction in the index for hourly earnings from 194 to 166, which increased to 180 in 1923. Thus, between 1919 and 1923 there was a decrease of the index numbers for hourly earnings of 14 points, or a decrease of 7 per cent. It is conceded the wage peak in this industry occurred in 1920, but data were not collected in that year.

The index numbers for the industry show a decrease of 8 per cent in regular full-time hours of labor between 1910 and 1919. As between 1919 and 1921 there was an increase of two points or approximately 2 per cent in working hours.

TABLE 2.—AVERAGE FULL-TIME HOURS PER WEEK, EARNINGS PER HOUR, AND FULL-TIME EARNINGS PER WEEK, TOGETHER WITH INDEX NUMBERS THEREFOR, 1907 TO 1923, BY OCCUPATION AND YEAR.

[1913=100.]

Occupation.	Year.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Index numbers for—		
							Full-time hours per week.	Earnings per hour.	Full-time earnings per week.
Sawyers, head, band.....	1907	34	71	60.8	\$0.490	\$29.79	100	88	88
	1908	34	69	60.8	.481	29.24	100	86	86
	1909	34	69	60.8	.489	29.73	100	88	88
	1910	203	429	61.2	.543	33.18	100	97	98
	1911	243	508	61.2	.550	33.61	100	99	99
	1912	288	561	61.1	.546	33.47	100	98	99
	1913	288	554	60.9	.557	33.90	100	100	100
	1915	286	572	61.0	.539	32.75	100	97	97
	1919	120	249	57.5	.768	44.16	94	138	130
	1921	251	527	57.8	.797	46.07	95	143	136
	1923	280	529	57.0	.883	50.33	94	159	148
Sawyers, head, circular.....	1907	12	14	61.3	.545	33.41	99	106	105
	1908	12	14	61.3	.519	31.81	99	101	100
	1909	12	13	61.3	.525	32.18	99	102	101
	1910	58	81	61.9	.496	30.66	100	97	97

¹ A description of sawmill processes and occupations is given in Bulletin 225.

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TABLE 2.—AVERAGE FULL-TIME HOURS PER WEEK, EARNINGS PER HOUR, AND FULL-TIME EARNINGS PER WEEK, TOGETHER WITH INDEX NUMBERS THEREFOR, 1907 TO 1923, BY OCCUPATION AND YEAR—Continued.

[1913=100.]

Occupation.	Year.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Index numbers for—		
							Full-time hours per week.	Earnings per hour.	Full-time earnings per week.
Sawyers, head, circular	1911	72	95	62.6	.504	31.42	101	98	99
	1912	92	119	62.4	.499	31.03	101	97	98
	1913	92	123	62.0	.513	31.71	100	100	110
	1915	76	98	62.1	.462	28.27	100	90	89
	1919	30	37	57.3	.748	42.86	92	146	135
	1921	38	48	59.4	.660	39.56	96	130	125
	1923	35	45	58.2	.862	50.17	94	168	158
Doggers	1911	273	852	61.5	.179	10.96	100	97	98
	1912	334	973	61.4	.181	11.06	100	98	99
	1913	334	939	61.2	.184	11.22	100	100	100
	1915	345	1,099	61.3	.173	10.83	100	97	97
	1919	136	471	57.8	.358	20.69	94	195	184
	1921	261	904	58.1	.306	17.78	95	166	158
	1923	238	1,008	57.6	.343	19.76	94	186	176
Setters	1911	301	714	61.3	.251	15.30	100	97	97
	1912	361	780	61.3	.250	15.29	100	97	97
	1913	361	782	61.0	.258	15.71	100	100	100
	1915	348	687	61.2	.239	14.56	100	93	93
	1919	141	311	57.0	.446	25.42	93	173	162
	1921	279	673	57.6	.412	23.73	94	160	151
	1923	251	706	57.0	.474	27.02	93	184	172
Saw tailors on head saws	1921	276	586	57.7	.326	18.81			
	1923	252	677	57.0	.364	20.75			
Sawyers, gang	1907	5	6	60.0	.271	16.26	98	87	85
	1908	5	6	60.0	.256	15.36	98	82	81
	1909	5	6	60.0	.258	15.48	98	83	83
	1910	52	64	61.4	.309	18.88	100	99	99
	1911	66	74	61.6	.306	18.77	100	98	98
	1912	71	79	61.7	.307	18.86	100	99	99
	1913	71	80	61.4	.311	19.02	100	100	100
	1915	81	93	61.8	.289	17.74	101	93	93
	1919	34	46	56.2	.520	29.22	92	167	154
	1921	61	82	56.8	.482	27.38	93	155	144
	1922	61	82	56.8	.482	27.38	93	155	144
	1923	55	80	56.1	.584	32.76	91	188	172
	Sawyers, resaw	1911	98	149	60.7	.252	15.24	100	97
1912		138	197	60.7	.254	15.41	100	97	98
1913		138	192	60.7	.261	15.77	100	100	100
1915		152	215	60.9	.240	14.57	100	92	92
1919		67	111	55.2	.471	26.00	91	180	165
1921		145	239	55.8	.463	25.84	92	177	164
1923		131	259	55.7	.493	27.46	92	189	174
Edgermen	1907	41	79	60.7	.254	15.42	100	95	95
	1908	41	78	60.7	.246	14.93	100	92	92
	1909	41	77	60.7	.248	15.05	100	93	92
	1910	245	585	61.2	.255	15.58	100	95	96
	1911	299	684	61.3	.260	15.86	100	97	97
	1912	361	751	61.2	.262	15.97	100	98	98
	1913	361	754	61.0	.268	16.28	100	100	100
	1915	348	756	61.0	.252	15.32	100	94	94
	1919	140	314	57.5	.450	25.88	94	168	159
	1921	278	727	57.5	.437	25.13	94	163	154
	1922	278	727	57.5	.437	25.13	94	163	154
	1923	252	738	57.1	.492	28.09	94	184	173
	Trimmer operators	1907	37	72	60.7	.207	12.56	100	95
1908		37	68	60.7	.196	11.90	100	90	90
1909		37	72	60.7	.197	11.96	100	91	91
1910		228	503	61.0	.209	12.71	100	96	96
1911		228	485	61.0	.211	12.85	100	97	97
1912		346	511	61.2	.209	12.73	100	96	96
1913		346	538	61.0	.217	13.20	100	100	100
1915		345	564	61.1	.203	12.34	100	94	93
1919		139	273	57.3	.405	23.21	94	187	176
1921		277	530	57.0	.380	21.66	93	175	164
1922		277	530	57.0	.380	21.66	93	175	164
1923		252	504	56.9	.430	24.47	93	198	185

TABLE 2.—AVERAGE FULL-TIME HOURS PER WEEK, EARNINGS PER HOUR, AND FULL-TIME EARNINGS PER WEEK, TOGETHER WITH INDEX NUMBERS THEREFOR, 1907 TO 1923, BY OCCUPATION AND YEAR—Concluded.

[1913=100.]

Occupation.	Year.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Index numbers for—		
							Full-time hours per week.	Earnings per hour.	Full-time earnings per week.
Machine feeders, planing mills.	1911	178	1,156	61.3	.179	10.94	100	96	96
	1912	253	1,548	61.4	.181	11.07	100	97	98
	1913	253	1,531	61.1	.186	11.34	100	100	100
	1915	269	1,679	61.2	.176	10.74	100	95	95
	1919	120	668	56.5	.390	22.04	92	210	194
	1921	149	831	56.4	.327	18.44	92	176	163
	1923	143	900	57.6	.355	20.45	94	191	180
	Laborers.....	1907	41	4,097	60.5	.133	11.07	99	107
1908		41	3,662	60.6	.167	10.12	99	98	97
1909		41	3,910	60.5	.171	10.35	99	100	100
1910		245	20,327	61.3	.166	10.12	100	97	97
1911		299	26,784	61.4	.162	9.91	100	95	95
1912		361	29,365	61.5	.164	10.03	101	96	96
1913		361	28,835	61.1	.171	10.40	100	100	100
1915		348	36,569	61.3	.157	9.58	100	92	92
1919		141	15,542	57.1	.345	19.70	93	202	189
1921		279	27,967	57.2	.285	16.30	94	167	157
1923		252	25,316	57.5	.310	17.83	94	181	171
Other employees.....	1915	348	16,513	63.3	.214	13.44	-----	-----	-----
	1919	(1)	(1)	(1)	(1)	(1)	-----	-----	-----
	1921	279	12,552	60.0	.392	23.52	-----	-----	-----
	1923	252	14,306	59.4	.417	24.77	-----	-----	-----
Industry.....	1910	-----	-----	-----	-----	-----	100	97	98
	1911	-----	-----	-----	-----	-----	100	95	96
	1912	-----	-----	-----	-----	-----	101	96	97
	1913	-----	-----	-----	-----	-----	100	100	100
	1915	-----	-----	-----	-----	-----	100	91	91
	1919	-----	-----	-----	-----	-----	92	194	179
	1921	-----	-----	-----	-----	-----	94	166	156
	1923	-----	-----	-----	-----	-----	94	180	170

¹ No data available.

The number of wage earners in the sawmill industry in 1919 is stated in Table 1. The great importance of the industry is more fully set forth in Table 3, which shows the number of active sawmills reporting to the United States Census Office in 1919, together with the production of the different kinds of lumber, by States. The figures shown are for thousands of board feet, the total production being 34,552,076,000 board feet.

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TABLE 3.—NUMBER OF ACTIVE SAWMILLS REPORTING AND REPORTED PRODUCTION OF EACH KIND OF LUMBER, BY STATE.
[Data from United States Census of Manufactures, 1919.]

State.	Number of active mills reporting.	Timber sawed (1,000 feet board measure).															Aggregate.
		Softwoods.									Hardwoods.						
		Yellow pine.	Douglas fir.	Western yellow pine.	Hemlock.	White pine.	Spruce.	Cy-press.	All other.	Total.	Oak.	Maple.	Red gum.	Chestnut.	All other.	Total.	
Alabama	1,953	1,642,588				100	13,776	1,409	1,657,873	61,189	2,753	39,349	2,217	35,365	140,873	1,798,740	
Arkansas	1,465	1,049,340					43,335	380	1,093,055	300,523	8,698	238,327		131,554	679,102	1,772,157	
California	173		141,327	444,150	909	4,190		668,377	1,258,953	410					410	1,259,363	
Florida	446	1,004,766							1,125,199	1,232	224	4,294		6,483	12,233	1,137,432	
Georgia	1,815	767,217			821	1,807		43,440	813,335	34,537	400	15,510	2,413	27,770	80,630	893,965	
Idaho	182		32,580	255,320	1,918	234,207	6,017		235,040	765,082				306	306	765,388	
Kentucky	1,224	10,858			10,090	3,575		4,574	2,513	31,610	282,963	6,998	31,692	24,850	133,965	480,468	
Louisiana	488	2,470,407						308,139	2,778,546	85,105	209	147,260		152,751	385,325	3,163,871	
Maine	697				85,542	223,843	208,645		38,134	556,164	4,138	5,572		589	29,653	39,952	
Michigan	380				267,824	57,501	8,417		15,474	349,216	16,239	321,409		15	189,012	526,675	
Minnesota	365					560,544	29,298		47,454	637,296	8,518	1,868			51,957	62,343	
Mississippi	1,452	1,980,395						17,291	1,997,686	132,804	5,479	168,226		85,940	392,449	2,390,135	
Montana	125		40,675	108,548	29	371	34,064		102,831	286,518				860	860	287,378	
North Carolina	3,226	1,240,142			48,462	6,532	42,976	17,468	4,136	1,359,716	136,129	11,977	21,507	69,507	55,599	294,719	
Oregon	544		1,795,492	480,514	52,906	664	166,056		78,965	2,574,597		1,160		1,646	2,806	2,577,403	
Pennsylvania	1,531	1,537			225,155	44,213	591		256	271,752	145,421	48,610	2,263	85,777	76,648	358,719	
South Carolina	812	544,475						27,482	1,044	573,001	11,321	1,416	21,917		14,024	48,678	
Tennessee	1,858	95,979			40,221	12,519		6,924	14,708	170,351	349,725	6,974	80,025	39,511	145,546	621,781	
Texas	450	1,330,734						2,097	1,332,832	28,605	1,579	11,924		4,834	46,942	1,379,774	
Virginia	2,249	646,834			28,744	10,742	1,004	6,897	891	695,112	240,707	7,058	16,888	69,458	68,815	402,926	
Washington	798		3,876,631	217,839	286,854	63,214	229,145		287,243	4,960,926		83		211	294	4,961,220	
West Virginia	736	5,196			104,582	2,832	50,414		85	163,109	279,891	58,242	3,087	118,087	140,687	599,994	
Wisconsin	492				439,757	125,969	10,646		17,763	594,125	25,578	177,125		319,510	522,213	1,116,338	
Other States	6,540	272,470	15,464	248,644	161,184	375,069	188,405	44,336	55,484	1,361,076	563,245	189,655	49,162	133,272	508,914	1,444,248	
Total	30,001	13,062,938	5,902,169	1,755,015	1,754,998	1,723,642	979,968	656,212	1,572,188	27,407,130	2,708,280	857,489	851,431	545,696	2,182,050	7,144,946	

Table 4 shows the average number of days of operation of the mills reported in this study and a classification, by causes, of the days idle for the year ending June 30, 1923, by States.

An average of 269 days in operation was made by the 251 mills reporting. These mills averaged 5 days of idleness for holidays and vacations, 9 days for seasonal shutdowns, 24 days for repairs and shortage of logs, and 7 days for various other reasons.

TABLE 4.—AVERAGE NUMBER OF DAYS OF OPERATION AND AVERAGE NUMBER OF DAYS IDLE BY SPECIFIED CAUSES, JULY 1, 1922, TO JUNE 30, 1923, BY STATE.

State.	Number of establishments.	Average number of days mills operated.	Average number of week days idle on account of—			
			Holidays and vacations.	Seasonal shut-downs.	Lack of logs and repairs.	Other causes.
Alabama.....	14	266	4		32	11
Arkansas.....	16	290	4	9	10	
California.....	9	268	5	29	10	1
Florida.....	17	296	5		12	
Georgia.....	12	255	5	8	28	17
Idaho.....	4	246	4	64		
Kentucky.....	13	196	5	9	96	7
Louisiana.....	17	289	4	3	13	4
Maine.....	19	199	3	77	3	32
Michigan.....	6	282	5	2	24	
Minnesota.....	4	256	5	25	23	12
Mississippi.....	9	296	3	6	7	1
Montana.....	4	259	7	25	21	1
North Carolina.....	20	272	5		27	11
Oregon.....	9	285	5	12	11	
Pennsylvania.....	5	261	6		46	8
South Carolina.....	7	286	4		15	8
Tennessee.....	16	253	4	5	34	18
Texas.....	8	300	5	1	7	
Virginia.....	11	274	6	1	25	8
Washington.....	23	292	5	5	11	
West Virginia.....	9	258	5		29	21
Wisconsin.....	9	244	5		62	1
Total.....	1 251	269	5	9	24	7

¹ Not including 1 establishment for which no data were available.

Table 5 shows the number of mills included in this report classified by the number of head saws operated; total number of head saws; average number of head saws per mill; average number of days the mills operated; and average days of operation per head saw, by States, for the year ending June 30, 1923.

The head saw is the large saw which first receives the log in the process of lumber manufacture. It usually saws the log into boards or timbers of final thickness but may be employed only to cut the log down to one solid piece flat on two opposite sides, called a cant, a resaw or gang saw being used in a later operation to further reduce the size of the lumber.

Of the 251 mills reporting, 117 had 1 head saw each; 101 had 2 head saws each; 22 had 3 head saws each; 7 had 4 head saws each; and 4 had 5 head saws each, or a total of 433 head saws. The mills averaged 1.7 head saws each.

The 433 head saws averaged 267 day turns and 59 night turns, or a total of 326 turns during the year. The mills averaged 269 days in operation during the year. The mills in Florida and Mississippi averaged 95 per cent of possible 313 week days in operation

and Kentucky averaged 63 per cent. These States show the extreme range of time in operation.

TABLE 5.—TOTAL AND SPECIFIED NUMBER OF HEAD SAWS, NUMBER OF MILLS AVERAGE NUMBER OF HEAD SAWS PER MILL, AVERAGE NUMBER OF DAYS MILLS WERE IN OPERATION, AND AVERAGE DAYS AND NIGHTS OF OPERATION OF HEAD SAWS FOR THE YEAR ENDING JUNE 30, 1923, BY STATE.

State.	Mills operating each specified number of head saws.					Total number of—		Average number of head saws per mill.	Average number of days mills operated.	Average number of turns each head saw was operated.		
	1	2	3	4	5	Mills.	Head saws.			Day.	Night.	Total.
Alabama.....	8	5	1			14	21	1.5	266	265	15	280
Arkansas.....	4	9	3			16	31	1.9	290	284	18	302
California.....		5	2	2		9	24	2.7	268	258	97	355
Florida.....	10	6	1			17	25	1.5	296	298	50	348
Georgia.....	10	2				12	14	1.2	255	250		250
Idaho.....		2	2			4	10	2.5	246	243	188	431
Kentucky.....	10	3				13	16	1.2	196	208		208
Louisiana.....	9	5	1		2	17	32	1.9	289	294	66	360
Maine.....	5	2	1	1		9	16	1.8	199	201	10	211
Michigan.....	1	4		1		6	13	2.2	282	279	72	351
Minnesota.....		1	2		1	4	13	3.3	256	252	233	485
Mississippi.....	1	7		1		9	19	2.1	296	295	118	414
Montana.....	1	2	1			4	8	2.0	259	256	160	416
North Carolina.....	15	5				20	25	1.3	272	267		267
Oregon.....	5	3			1	9	16	1.8	285	281	183	464
Pennsylvania.....	1	3	1			5	10	2.0	261	260		260
South Carolina.....	4	3				7	10	1.4	286	290	87	377
Tennessee.....	9	5	2			16	25	1.6	253	223		223
Texas.....		4	3	1		8	21	2.6	300	290	47	337
Virginia.....	6	4	1			11	17	1.5	274	264	42	306
Washington.....	11	10	1	1		23	38	1.7	292	292	60	352
West Virginia.....	6	3				9	12	1.3	258	259	79	329
Wisconsin.....	1	8				9	17	1.9	244	241	38	280
Total.....	117	101	22	7	4	251	433	1.7	269	267	59	326

¹Not including 1 mill, days not reported.

Table 6 shows the number of head saws and the average number of days of operation in the year ending June 30, 1923, in the mills reported. The head saws are classified by the number of days operated. This table is divided into two groups, one showing day turns and the other night turns.

Of the 433 head saws reported, 305, or 70 per cent, operated 260 or more days on day turns, and only 36, or 8 per cent, operated under 200 days.

Of the whole number of head saws, 433, there were 116 that worked night turns, with an average of 220 nights each during the year.

The demand for lumber during the past two years has been heavy and the mills have been correspondingly busy.

TABLE 6.—NUMBER OF HEAD SAWS AND AVERAGE DAYS IN OPERATION, AND HEAD SAWS IN OPERATION CLASSIFIED BY NUMBER OF DAYS DURING THE YEAR ENDING JUNE 30, 1923, BY STATE.

State.	Head saws.		Number of head saws in operation—										
	Number operating.	Average number of days in operation.	Under 200 days.	200 and under 210 days.	210 and under 220 days.	220 and under 230 days.	230 and under 240 days.	240 and under 250 days.	250 and under 260 days.	260 and under 275 days.	275 and under 290 days.	290 and under 300 days.	300 days and over.
On Day Turns.													
Alabama.....	21	265	2				1	1	1	4	2	9	1
Arkansas.....	31	284				1	1	3	2	2	4	6	12
California.....	24	258	4				4	1	1	1	3	5	5
Florida.....	25	298							1		3	8	13
Georgia.....	14	250	3						2	3	3		3
Idaho.....	10	243		3				2		3	2		
Kentucky.....	16	208	6		1	1		2	1	1	3	1	
Louisiana.....	32	294			1	2				1	3	3	22
Maine.....	16	201	11		1						1		3
Michigan.....	13	279								6	2	5	
Minnesota.....	13	252		2	3				2	3	1		2
Mississippi.....	19	295					2				2	3	12
Montana.....	8	256		2					3	2	1		2
North Carolina.....	25	267	2					2	2	4	9	4	2
Oregon.....	16	281				2				5	3	1	5
Pennsylvania.....	10	260						2	3	3	2		
South Carolina.....	10	290						1		1	1	2	5
Tennessee.....	25	223	6	1			1	3	4	2	4	3	1
Texas.....	21	290		1				1	1	1		6	11
Virginia.....	17	264	1			2	1		1	1	7		4
Washington.....	38	292								4	13	7	14
West Virginia.....	12	259		1		1		2	3	1	3	1	
Wisconsin.....	17	241	1	2	1	2	2	2	1	4	2		
Total.....	433	267	36	12	7	11	12	22	28	52	74	64	115

State.	Head saws.		Number of head saws in operation—										
	Number operating.	Average number of days in operation.	Under 150 days.	150 and under 160 days.	160 and under 170 days.	170 and under 180 days.	180 and under 190 days.	190 and under 200 days.	200 and under 250 days.	225 and under 250 days.	250 and under 275 days.	275 and under 300 days.	300 days and over.
On Night Turns.													
Arkansas.....	4	140	2							1			1
California.....	13	179	5		1			2		2	2	1	
Florida.....	4	310											4
Idaho.....	8	235						3				5	
Louisiana.....	8	264	2										6
Michigan.....	5	187	1						2	2			
Minnesota.....	13	233	2					3			5	1	2
Mississippi.....	9	250	1		2							2	4
Montana.....	6	213	1						2	2	1		
Oregon.....	12	244	1						2	1	5	1	2
South Carolina.....	3	291									1		2
Texas.....	8	123	5							2			1
Virginia.....	3	237								3			
Washington.....	9	254					1	1	2			3	2
West Virginia.....	4	237							1	2			
Wisconsin.....	5	130	4	1									
Other States.....	2	236			1								1
Total.....	116	220	24	1	4		4	6	9	15	20	8	25

Table 7 classifies the 252 mills reported by States and by the regular full-time or customary hours worked per day from Monday to Friday, and Saturday, and per week. The classification begins with the lowest and ends with the highest number of hours per week. A total of 170, or 67 per cent of the mills, operated on a 60-hour per week basis. Fourteen mills had longer than 60 hours. Thirty-nine mills operated 48 hours per week. The hours of 29 mills were 50 and over 60 per week.

TABLE 7.—ESTABLISHMENTS CLASSIFIED AS TO CUSTOMARY FULL-TIME HOURS PER DAY AND PER WEEK 1923, BY STATE.

State.	Number of establishments.	Hours on—	Number of establishments whose full-time hours Monday to Friday, Saturday, and per week were—																																	
		Monday to Friday-Saturday-Per week.	8	8½	8¾	8¾ (a)	9	10	9	9½	10	10	10½	10	10½	10	10¾	11	10½	10¾	10¾	10½	10½	10½	10½	10	10½	11	11	(b)	11½	11				
Alabama	14																1																1			
Arkansas	16																																			
California	9		1						3																											
Florida	17																																			
Georgia	12																																			
Idaho	4		4																																	
Kentucky	13						1	1																												
Louisiana	17									1	3							1		1																
Maine	10																																			
Michigan	6																																			
Minnesota	4																																			
Mississippi	9																																			
Montana	4		2						2																											
North Carolina	20																																			
Oregon	9		7		2																															
Pennsylvania	5																																			
South Carolina	7																																			
Tennessee	16																																			
Texas	8																																			
Virginia	11																																			
Washington	23		20	1		1	1																													
West Virginia	9																																			
Wisconsin	9																																			
Total	252		34	1	2	1	1	1	1	5	1	12	3	1	2	1	1	1	1	1	1	1	1	1	1	5	1	3	12	142	1	1	3	1	2	6

a Monday 8 hours and Tuesday to Friday 9 hours per day.
 b Monday and Wednesday 12½ hours and Tuesday, Thursday, and Friday 10 hours per day.

Table 8 shows the number of establishments reporting; number of employees; production in board feet per 1-man hour; labor cost per 1-man hour; and cost per 1,000 board feet in 1-man hours and in wages. These figures are obtained from earnings of productive wage earners only and do not include earnings of managers or office workers, supervisory employees, maintenance and repair workers, or saw filers.

The figures for 1921 and 1923 are brought into comparison. No great change has occurred. The principal difference is noted in labor cost per hour and cost in wages per 1,000 feet of lumber. The former shows an increase in 1923 of 2.7 cents and the latter an increase of 25 cents. The number of mills differs in the two years and there have been a few substitutions of mills, but as the averages are based on such a large number of mills it is believed the figures are fairly comparable.

TABLE 8.—NUMBER OF ESTABLISHMENTS, NUMBER OF EMPLOYEES, NUMBER OF BOARD-FEET PRODUCED PER 1-MAN HOUR, LABOR COST PER 1-MAN HOUR, AND COST PER 1,000 FEET IN 1-MAN HOURS AND IN WAGES, 1921 AND 1923.

[This table does not include managers or office workers, supervisory employees, maintenance or repair workers, or saw filers.]

Year.	Number of—		Production in board feet per 1-man hour.	Labor cost per 1-man hour	Cost per 1,000 board feet in—	
	Establishments.	Employees.			1-man hours.	Wages.
1921.....	¹ 276	45,341	79	\$0.335	12.7	\$4.24
1923.....	² 251	44,962	81	.362	12.4	4.49

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

² Not including 1 mill for which data were not reported.

GENERAL TABLES.

In addition to the text tables already shown, four general tables are presented:

TABLE A.—Average earnings per hour, average full-time weekly earnings, and average and classified full-time hours per week, 1923, by occupation and State.

TABLE B.—Average and classified earnings per hour for employees in 6 selected occupations, 1923, by State.

TABLE C.—Average and specified days of work of occupation and average and specified days actually worked, 1923, by length of pay period and occupation.

TABLE D.—Average full-time hours and earnings and actual hours and earnings, 1923, by occupation, length of pay period, and State.

The purpose of Table C is to show, as closely as the data will permit, the days of work available in comparison with the days of work actually performed. The table is divided into three sections according to the length of the pay period covered.

The third column of the table shows the average number of days of work in the occupation in the pay period. The mill days of operation are weighted by the number of employees in the mill, producing the average days of work available for the occupation but not necessarily for each individual employed in the occupation. It will be observed in the first section of the table that most of the mills

worked six days in the week (a few of these, however, had a night crew who worked but five nights) and a few mills operated but five-day turns. Another column shows the average number of days actually worked by the employees and the number of employees working each specified number of days. The word "day" as used in this table means a calendar day worked in whole or in part. No attempt was made to reduce any few broken days to equivalent full days, and no information was collected as to the reason for certain employees not working every day.

The purpose of Table D is to afford comparison of average customary full-time hours and average hours actually worked in the pay period and a comparison of average full-time earnings with average actual earnings. Occasionally a mill may not work its customary full time and hence not afford the opportunity for full-time work. In turn, some employees for any one of many reasons may not work full time or even the entire time of mill operation. It was not feasible to attempt to get the reasons for broken time of individual workers.

TABLE A.—AVERAGE EARNINGS PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, 1923, BY OCCUPATION AND STATE.

Occupation and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Employees whose full-time hours per week were—							
						48 and under.	Over 48 and under 54.	54	Over 54 and under 60.	60	Over 60 and under 66.	66	Over 66.
Sawyers, head, band:													
Alabama	12	22	60.5	\$0.838	\$50.70				1	19		2	
Arkansas	16	31	60.0	.823	49.38							31	
California	9	37	55.3	.990	54.75	8		13				16	
Florida	13	24	60.4	1.018	61.49							22	2
Georgia	6	8	58.8	.882	51.86				2			6	
Idaho	4	21	48.0	.986	47.33	21							
Kentucky	12	17	58.1	.649	37.71		3		1			13	
Louisiana	14	34	60.1	.910	54.69							33	1
Maine	8	14	57.8	.697	40.29			1	5			8	
Michigan	6	18	58.6	.832	48.76				5			13	
Minnesota	4	27	60.0	.871	52.26							27	
Mississippi	9	37	59.6	.867	51.67				3			34	
Montana	4	14	51.9	1.017	52.78	5		9					
North Carolina	20	26	60.8	.715	43.47				2			19	3
Oregon	8	30	48.0	1.154	55.39	30							2
Pennsylvania	5	10	60.0	.703	42.18							10	
South Carolina	6	13	61.4	.848	52.07							10	3
Tennessee	16	22	58.4	.739	43.16				9			13	
Texas	8	23	58.7	.862	50.60		4					19	
Virginia	11	22	58.6	.686	40.20		3		1			17	1
Washington	21	43	48.0	1.153	55.34	43							
West Virginia	9	18	60.0	.671	40.26							18	
Wisconsin	9	18	59.4	.754	44.79				3			15	
Total	230	529	57.0	.883	50.33	107	10	23	32	343	7	7	
Sawyers, head, circular:													
Alabama	2	2	60.0	.950	57.00					2			
Florida	5	5	61.2	1.036	63.40					4			1
Georgia	6	6	63.8	.532	33.94					2		1	3
Louisiana	4	7	60.0	1.011	60.66					7			
Maine	2	4	57.5	.602	34.62				2			2	
Texas	4	5	60.0	.924	55.44					5			
Washington	5	7	48.0	1.092	52.42	7							
Wisconsin	2	4	59.9	.810	48.52				1			3	
Other States	5	5	56.6	.715	40.47	1			1			3	
Total	35	45	58.2	.862	50.17	8			4	28	1	4	

TABLE A.—AVERAGE EARNINGS PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, 1923, BY OCCUPATION AND STATE—Continued.

Occupation and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Employees whose full-time hours per week were—						
						48 and under.	Over 48 and under 54.	54	Over 54 and under 60.	60	Over 60 and under 66.	66
Doggers:												
Alabama.....	14	65	60.4	\$0.246	\$14.86				2	58		5
Arkansas.....	16	70	60.0	.275	16.50					70		
California.....	7	43	56.7	.476	26.99		24			19		
Florida.....	17	67	60.7	.263	15.96					58	6	3
Georgia.....	12	25	60.8	.201	12.22				4	14	1	6
Idaho.....	4	23	48.0	.528	25.34	23						
Kentucky.....	13	28	57.8	.326	18.84		3		4	21		
Louisiana.....	17	86	60.1	.284	17.07					84	2	
Maine.....	8	25	59.0	.314	18.53				5	20		
Michigan.....	6	26	58.7	.467	27.41				7	19		
Mississippi.....	9	81	59.7	.280	16.72				5	76		
North Carolina.....	20	42	60.7	.257	15.60				4	30	5	3
Oregon.....	9	53	48.0	.580	27.84	53						
Pennsylvania.....	3	7	60.0	.439	26.34					7		
South Carolina.....	7	31	60.6	.220	13.33				2	24		5
Tennessee.....	16	39	58.7	.302	17.73				14	25		
Texas.....	8	96	59.2	.291	17.23		10			86		
Virginia.....	11	41	58.4	.266	15.53		6		4	29	2	
Washington.....	23	97	48.0	.539	25.87	97						
West Virginia.....	7	18	60.0	.388	23.28					18		
Wisconsin.....	9	29	59.1	.394	23.29				7	22		
Other States.....	2	16	58.5	.413	24.16			4		12		
Total.....	238	1,008	57.6	.343	19.76	173	19	28	58	692	16	22
Setters:												
Alabama.....	14	34	60.3	.366	22.07				2	30		2
Arkansas.....	16	32	60.0	.374	22.44					32		
California.....	9	43	55.1	.614	33.83	11		13		19		
Florida.....	17	36	60.4	.374	22.59					33	2	1
Georgia.....	12	16	61.2	.297	18.18				2	9	1	4
Idaho.....	4	32	48.0	.637	30.58	32						
Kentucky.....	13	19	58.1	.370	21.50		3		2	14		
Louisiana.....	17	41	60.1	.377	22.66					40	1	
Maine.....	9	17	57.8	.420	24.28			2	5	17		
Michigan.....	6	22	58.9	.529	31.16				5	17		
Minnesota.....	4	58	60.0	.542	32.52					58		
Mississippi.....	9	53	59.7	.381	22.75				2	33		
Montana.....	4	31	52.1	.634	33.03	10		21				
North Carolina.....	20	27	60.7	.339	20.58				3	19	3	2
Oregon.....	9	40	48.0	.669	32.11	40						
Pennsylvania.....	5	14	60.0	.537	32.22					14		
South Carolina.....	7	17	60.4	.312	18.84				1	14		2
Tennessee.....	16	28	58.6	.380	22.27				10	18		
Texas.....	8	38	58.6	.364	21.33		7			31		
Virginia.....	11	22	59.1	.364	21.51				1	18	1	
Washington.....	23	56	48.0	.639	30.67	56						
West Virginia.....	9	24	60.0	.449	26.94					24		
Wisconsin.....	9	24	59.5	.477	28.38				4	20		
Total.....	251	706	57.0	.474	27.02	149	12	36	37	453	8	11
Saw tallers on head saws:												
Alabama.....	14	46	60.4	.270	16.31				1	42		3
Arkansas.....	16	37	60.0	.268	16.08					37		
California.....	9	40	55.7	.493	27.46	8		13		19		
Florida.....	17	32	60.5	.250	15.13					29	2	1
Georgia.....	12	18	60.5	.192	11.62				4	9	1	4
Idaho.....	4	25	48.0	.514	24.67	25						
Kentucky.....	13	19	57.4	.316	18.14		4		3	12		
Louisiana.....	17	43	60.1	.272	16.35					42	1	
Maine.....	10	19	57.8	.359	20.75			1	7	11		
Michigan.....	6	25	58.6	.413	24.20				7	18		
Minnesota.....	4	27	60.0	.419	25.14					27		
Mississippi.....	9	36	59.6	.261	15.56				3	33		
Montana.....	4	13	51.2	.515	26.37	6		7				
North Carolina.....	20	25	60.9	.256	15.59				2	18	3	2
Oregon.....	9	42	48.0	.567	27.22	42						

14 WAGES AND HOURS OF LABOR IN LUMBER MANUFACTURING.

TABLE A.—AVERAGE EARNINGS PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, 1923, BY OCCUPATION AND STATE—Continued.

Occupation and State.	Number of establishments.	Number of employees.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Employees whose full-time hours per week were—					
						48 and under.	Over 48 and under 54.	Over 54 and under 60.	60	Over 60 and under 66.	Over 66.
Saw tailors on head saws											
—Concluded.											
Pennsylvania.....	5	15	60.0	\$0.447	\$26.82				15		
South Carolina.....	7	17	60.4	.209	12.62			1	14		2
Tennessee.....	16	28	58.0	.298	17.46			11	17		
Texas.....	8	41	58.9	.269	15.84		6		35		
Virginia.....	11	24	59.2	.281	16.64		2	1	20	1	
Washington.....	23	62	48.0	.559	26.83	62					
West Virginia.....	9	20	60.0	.375	22.60				20		
Wisconsin.....	9	23	59.5	.396	23.56			4	19		
Total.....	252	677	57.0	.364	20.75	143	12	21	44	437	8 12
Sawyers, gang:											
Alabama.....	5	10	61.8	.441	27.25				8		1 1
Arkansas.....	4	4	60.0	.460	27.60				4		
Florida.....	10	11	61.0	.373	22.75				9	1	1
Georgia.....	2	2	63.0	.350	22.05				1	1	
Louisiana.....	5	6	61.7	.581	35.85				5		1
Mississippi.....	3	4	58.8	.477	28.05			2	2		
Oregon.....	3	5	48.0	.915	43.92	5					
Texas.....	4	6	58.8	.673	39.57		1		5		
Washington.....	12	22	48.0	.739	35.47	22					
Wisconsin.....	3	5	60.0	.475	28.60				5		
Other States.....	4	5	56.4	.612	34.52	1		1	3		
Total.....	55	80	56.1	.584	32.76	23	1	1	2	42	1 3 2
Sawyers, resaw:											
Alabama.....	12	20	60.4	.415	25.07			3	15		2
Arkansas.....	7	12	60.0	.430	25.80				7		
California.....	7	17	56.5	.602	34.01		10		6		
Florida.....	3	6	60.0	.396	23.76				2		
Georgia.....	3	3	58.3	.393	22.91			1			
Louisiana.....	6	12	60.4	.298	18.00				11	1	
Maine.....	9	14	58.9	.390	22.97		1	2	11		
Michigan.....	3	3	58.9	.594	32.09			5	3		
Minnesota.....	3	6	60.0	.475	28.50				6		
Mississippi.....	5	7	59.3	.441	26.15			1	6		
North Carolina.....	12	16	60.9	.285	17.36			1	12	1	2
Oregon.....	7	25	48.0	.672	32.26	25					
Pennsylvania.....	3	5	60.0	.493	29.58				5		
South Carolina.....	5	11	61.1	.289	17.66				9		2
Tennessee.....	5	6	59.2	.371	21.96			1	5		
Virginia.....	5	7	58.6	.267	15.65				6		
Washington.....	21	59	48.0	.655	31.44	59	1				
West Virginia.....	3	4	60.0	.439	26.34				4		
Wisconsin.....	9	17	59.1	.452	26.71			1	13		
Other States.....	3	4	57.4	.436	25.03			1	2		
Total.....	131	259	55.7	.493	27.46	84	1	12	19	135	2 6
Edgemen:											
Alabama.....	14	31	60.5	.350	21.18			2	26		3
Arkansas.....	16	46	60.0	.390	23.40				46		
California.....	9	50	55.2	.659	36.38	8		24	18		
Florida.....	17	33	60.5	.429	25.95				30	2	1
Georgia.....	12	18	60.2	.351	21.13			4	10	1	3
Idaho.....	4	22	48.0	.663	31.82	22					
Kentucky.....	13	16	58.3	.387	22.56		2		12		
Louisiana.....	17	65	60.1	.388	23.32				64	1	
Maine.....	10	17	58.5	.468	27.38				12		
Michigan.....	6	25	58.6	.508	29.82			7	13		
Minnesota.....	4	43	60.0	.510	30.60				43		
Mississippi.....	9	52	59.6	.382	22.77			4	48		
Montana.....	4	14	51.9	.712	36.95	5		9			
North Carolina.....	20	26	60.6	.336	20.36			2	20	2	2
Oregon.....	9	52	48.0	.790	37.92	52			9		
Pennsylvania.....	5	9	60.0	.525	31.50						

TABLE A.—AVERAGE EARNINGS PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, 1923, BY OCCUPATION AND STATE—Continued.

Occupation and State.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Employees whose full-time hours per week were—							
						48 and under.	Over 48 and under 54.	54	Over 54 and under 60.	60	Over 60 and under 66.	66	Over 66.
Edgermen—Concluded.													
South Carolina.....	7	19	60.7	\$0.301	\$18.27				1	15			3
Tennessee.....	16	27	58.8	.385	22.64				10	17			
Texas.....	8	50	59.0	.392	23.13		7			43			
Virginia.....	11	21	59.0	.353	20.83		2		1	17	1		
Washington.....	23	59	48.0	.759	36.43	59	2						
West Virginia.....	9	19	60.0	.468	28.08					19			
Wisconsin.....	9	24	59.5	.474	28.20					4			20
Total.....	252	738	57.1	.492	28.09	146	11	33	42	487	7	12	
Trimmer operators:													
Alabama.....	14	24	60.5	.283	17.12				1	21			2
Arkansas.....	16	23	60.0	.317	19.02					23			
California.....	9	29	55.9	.564	31.53	4		12		13			
Florida.....	17	21	60.5	.336	20.33					19	1		
Georgia.....	12	13	61.8	.222	13.72				1	7	2	3	
Idaho.....	4	10	48.0	.578	27.74	10							
Kentucky.....	13	13	58.0	.354	20.53		2		2	9			
Louisiana.....	17	27	60.2	.333	20.05					26	1		
Maine.....	10	17	58.2	.331	19.26			1	5	11			
Michigan.....	6	17	58.5	.475	27.79				5	12			
Minnesota.....	4	32	60.0	.426	25.56					32			
Mississippi.....	9	34	59.7	.323	19.28				2	32			
Montana.....	4	12	52.0	.496	25.79	4		8					
North Carolina.....	20	25	60.7	.283	17.18				2	19	2	2	
Oregon.....	9	35	48.0	.732	35.14	35							
Pennsylvania.....	5	15	60.0	.452	27.12					15			
South Carolina.....	7	12	60.8	.244	14.84					1	10		1
Tennessee.....	16	18	58.1	.335	19.46				8	10			
Texas.....	8	20	58.5	.339	19.83		4			16			
Virginia.....	11	19	58.4	.304	17.75		3		1	14	1		
Washington.....	23	57	48.0	.687	32.98	57							
West Virginia.....	9	16	60.0	.396	23.76					16			
Wisconsin.....	9	15	59.6	.424	25.27				3	12			
Total.....	252	504	56.9	.430	24.47	110	9	21	31	317	7	9	
Machine feeders, planing mills:													
Alabama.....	13	51	60.4	.241	14.56				2	45			4
Arkansas.....	12	116	60.0	.277	16.62					116			
California.....	2	4	57.0	.478	27.25			2		2			
Florida.....	9	21	60.3	.239	14.41					20	1		
Georgia.....	6	15	61.4	.195	11.97				3	6			6
Idaho.....	4	55	48.0	.524	25.15	55							
Louisiana.....	16	107	60.1	.270	16.23					104	3		
Maine.....	9	13	58.8	.341	20.05			1	2	10			
Michigan.....	3	19	59.7	.407	24.30				1	18			
Minnesota.....	4	41	60.0	.433	25.98					41			
Mississippi.....	8	86	59.9	.305	18.27				1	85			
Montana.....	4	34	50.6	.521	26.36	19		15					
North Carolina.....	11	53	60.0	.253	15.18				5	43	3	2	
Pennsylvania.....	4	8	60.0	.500	30.00					8			
Tennessee.....	5	10	59.1	.355	20.98				4	6			
Texas.....	8	80	61.5	.293	18.02					60			20
Virginia.....	2	4	61.9	.243	15.04					1	3		
Washington.....	9	111	48.0	.547	26.26	111							
West Virginia.....	5	10	60.0	.377	22.62					10			
Wisconsin.....	8	61	60.0	.379	22.74					57			
Other States.....	1	1	58.0	.600	34.80					1			
Total.....	143	900	57.6	.355	20.45	185		18	24	634	6	33	
Laborers:													
Alabama.....	14	1,507	60.6	.199	12.06				71	1,279	2	149	6
Arkansas.....	16	2,274	60.1	.240	14.42					2,262			12
California.....	9	1,050	56.5	.456	25.76	78		460		512			
Florida.....	17	1,210	60.6	.204	12.36					1,077	80	51	2

16 WAGES AND HOURS OF LABOR IN LUMBER MANUFACTURING.

TABLE A.—AVERAGE EARNINGS PER HOUR, AVERAGE FULL-TIME WEEKLY EARNINGS, AND AVERAGE AND CLASSIFIED FULL-TIME HOURS PER WEEK, 1923, BY OCCUPATION AND STATE—Concluded.

Occupation and State.	Number of establishments.	Number of employes.	Average full-time hours per week.	Average earnings per hour.	Average full-time earnings per week.	Employees whose full-time hours per week were—							
						48 and under.	Over 48 and under 54.	54	Over 54 and under 60.	60	Over 60 and under 66.	66	Over 66.
Laborers—Concluded.													
Georgia.....	12	703	60.7	\$0.160	\$9.71				98	436	54	114	1
Idaho.....	4	389	48.0	.490	23.52	389							
Kentucky.....	13	414	58.5	.272	15.91		51		39	323			1
Louisiana.....	17	2,579	60.4	.228	13.77					2,416	106	30	27
Maine.....	10	341	53.1	.300	17.43			26	98	217			
Michigan.....	6	690	58.9	.377	22.21				156	533			1
Minnesota.....	4	806	60.1	.394	23.68					801			5
Mississippi.....	9	1,970	59.9	.231	13.84				73	1,836			11
Montana.....	4	429	50.9	.473	24.08	235		191				1	2
North Carolina.....	20	1,261	60.3	.210	12.66				102	1,005	111	42	1
Oregon.....	9	1,194	48.0	.514	24.67	1,194							
Pennsylvania.....	5	268	60.0	.400	24.00					268			
South Carolina.....	7	679	60.4	.166	10.03					600		78	1
Tennessee.....	16	849	58.5	.261	15.27				348	501			
Texas.....	8	1,347	59.8	.256	15.31			96		1,184		61	6
Virginia.....	11	684	59.9	.242	14.50			28	8	558		90	
Washington.....	23	3,058	48.1	.499	24.00	3,030		28					
West Virginia.....	9	532	60.0	.348	20.88					532			
Wisconsin.....	9	1,082	59.8	.351	20.99					92		990	
Total.....	252	25,316	57.5	.310	17.83	4,926	175	705	1,085	17,380	443	526	76
Other employees:													
Alabama.....	14	681	62.9	.292	18.37		2		41	464		49	125
Arkansas.....	16	831	62.7	.348	21.82				17	695	5	3	111
California.....	9	760	57.8	.558	32.25		64	298	49	296			53
Florida.....	17	645	63.9	.358	22.88					515	1	17	112
Georgia.....	12	413	62.9	.268	16.86				87	191		9	66
Idaho.....	4	464	48.7	.571	27.81	421			43				
Kentucky.....	13	275	58.9	.355	20.91		34		56	166	1		18
Louisiana.....	17	1,108	64.4	.358	23.06					770	45	39	254
Maine.....	10	285	60.1	.385	23.14		3	18	55	180	2		27
Michigan.....	6	494	61.5	.423	26.01			1	65	375			53
Minnesota.....	4	565	62.1	.463	28.75					480		15	70
Mississippi.....	9	1,433	61.6	.366	22.55	6			35	1,210	21	1	160
Montana.....	4	358	52.5	.528	27.72	157		163	24		1	1	12
North Carolina.....	20	560	64.3	.273	17.55				35	343	30	26	126
Oregon.....	9	625	49.6	.606	30.16	518			100		1		6
Pennsylvania.....	5	195	61.5	.473	29.09					183			12
South Carolina.....	7	309	64.4	.315	20.29				17	207		31	64
Tennessee.....	16	614	59.9	.350	20.97				193	367			54
Texas.....	8	683	62.5	.340	21.25			41		472		30	140
Virginia.....	11	366	63.1	.325	20.51			6	10	279	18		53
Washington.....	23	1,658	49.6	.591	29.31	1,401		32	200		1		24
West Virginia.....	9	295	62.4	.395	24.65					256			39
Wisconsin.....	9	689	61.2	.398	24.36	6			118	501	2		62
Total.....	252	14,306	59.4	.417	24.77	2,578	81	512	1,145	7,950	137	280	1,623

TABLE B.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR FOR EMPLOYEES IN 6 SELECTED OCCUPATIONS, 1923, BY STATE.

Occupation and State.	Number of—		Average earnings per hour.	Employees whose earnings per hour were—															
	Estab-lish-ments.	Em-ployees.		Un-der 14 cents.	14 and under 16 cents.	16 and under 18 cents.	18 and under 20 cents.	20 and under 25 cents.	25 and under 30 cents.	30 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 \$1.00.	\$1.00 and under \$1.10.	\$1.10 and under \$1.25.	\$1.25 and over.
Sawyers, head, band:																			
Alabama	12	22	\$. 838							1				4	7	7		3	
Arkansas	16	31	. 823											6	20	5			
California	9	37	. 990											2	12	3	6	14	
Florida	13	24	1. 018												8	2	8	3	
Georgia	6	8	. 882											1	3	2	2		
Idaho	4	21	. 986													21			
Kentucky	12	17	. 649							2		3	6	3	2				
Louisiana	14	34	. 610											2	6	23	2	1	
Maine	8	14	. 697											7	4	2	1		
Michigan	6	18	. 832											3	5	2	3	5	
Minnesota	4	27	. 871											1	10	16			
Mississippi	9	37	. 867											6	20	11			
Montana	4	14	1. 017													11	10		
North Carolina	20	26	. 715												4	1			
Oregon	8	30	1. 154							1		4	5	10	3	1	3	1	
Pennsylvania	5	10	. 703														17		
South Carolina	6	13	. 848											10	2				
Tennessee	16	22	. 739											2	9		2		
Texas	8	23	. 862											4	3	6			
Virginia	11	22	. 686											1	3	14	4	1	
Washington	21	43	1. 153							1		1	6	13	1	2	4	6	
West Virginia	9	18	. 671											2	8			17	
Wisconsin	9	18	. 754											2	14	2			
Total	230	529	. 883							1	4	13	44	98	128	113	47	56	25
Setters:																			
Alabama	14	34	. 366						5	12	17								
Arkansas	16	32	. 374							25	7								
California	9	43	. 614								4	11	17	11					
Florida	17	36	. 374							1	21	13	1						
Georgia	12	16	. 297	2	2			2		1	5	4							
Idaho	4	32	. 637																
Kentucky	13	19	. 370					1	2	6	6	3	1						
Louisiana	17	41	. 377						2	20	19								
Maine	9	17	. 420							6	9	2							
Michigan	6	22	. 529								3	15	4						
Minnesota	4	58	. 542								2	56							
Mississippi	9	35	. 381							28	7								
Montana	4	31	. 634									6	23	2					

TABLE B.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR FOR EMPLOYEES IN 6 SELECTED OCCUPATIONS, 1923, BY STATE—Continued.

Occupation and State.	Number of—		Average earnings per hour.	Employees whose earnings per hour were—														
	Estab-lish-ments.	Em-ployees.		Un-der 14 cents.	14 and under 16 cents.	16 and under 18 cents.	18 and under 20 cents.	20 and under 25 cents.	25 and under 30 cents.	30 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 \$1.00.	\$1.00 and under \$1.10.	\$1.10 and under \$1.25.
Settlers—Concluded.																		
North Carolina.....	20	27	\$0.339				1	4	3	8	10		1					
Oregon.....	9	40	.689									3	20	17				
Pennsylvania.....	5	14	.537									14						
South Carolina.....	7	17	.312															
Tennessee.....	16	28	.380						5	12								
Texas.....	8	38	.364						1	15	11							
Virginia.....	11	32	.364						3	29	6							
Washington.....	23	56	.639						8	4	7							1
West Virginia.....	9	24	.449									16	38	1	2			
Wisconsin.....	9	24	.477								16	8						
Total.....	251	706	.474		2	2	1	7	31	191	157	145	186	31	2			1
Saw tallers on head saws:																		
Alabama.....	14	46	.270					22	10	11	3							
Arkansas.....	16	37	.268					6	24	7								
California.....	9	40	.493								14	26						
Florida.....	17	32	.260					10	16	4								
Georgia.....	12	18	.192	1	5	1	1	1	4	1								
Idaho.....	4	25	.514									25						
Kentucky.....	13	19	.316					5	2	8	4							
Louisiana.....	17	43	.272					16	12	15								
Maine.....	10	19	.359						5	6	8							
Michigan.....	6	25	.413							7	18							
Minnesota.....	4	27	.419							2	25							
Mississippi.....	9	36	.261					11	18	7								
Montana.....	4	13	.515								7	5	1					
North Carolina.....	20	25	.256			2	2	6	8	7								
Oregon.....	9	42	.567									31	11					
Pennsylvania.....	5	15	.447								14	1						
South Carolina.....	7	17	.209			2		15										
Tennessee.....	16	28	.298					1	10	16	1							
Texas.....	8	41	.269					5	28	4	4							
Virginia.....	11	24	.281					5	9	8	2							
Washington.....	23	62	.559									51	11					
West Virginia.....	9	20	.375							11	9							
Wisconsin.....	9	23	.396							8	15							
Total.....	252	677	.364	1	5	10	4	103	146	122	124	139	23					

Edgermen:																		
Alabama	14	31	.350					8	12	11								
Arkansas	16	46	.390						31	13	1							
California	9	50	.659								8	26	16					
Florida	17	33	.429					1	14	8	3	6	1					
Georgia	12	18	.351	1		1	3		5	5	2	1						
Idaho	4	22	.663									16	6					
Kentucky	13	16	.387				2		4	8	2							
Louisiana	17	65	.388						41	19	5	8						
Maine	10	17	.468						4	5	8							
Michigan	6	25	.509							7	18							
Minnesota	4	43	.510						1	14	28							
Mississippi	9	52	.382						31	21								
Montana	4	14	.712							4	8	2						
North Carolina	20	26	.336			1	4	3	7	10	1							
Oregon	9	52	.790								3	11	14		11	8		
Pennsylvania	5	9	.525								9							
South Carolina	7	19	.301				3	6	10									
Tennessee	16	27	.385					3	12	9	3							
Texas	8	50	.392					1	26	23								
Virginia	11	21	.353				3	5	3	7	2	1						
Washington	23	59	.759								4	13	21	11	8	2		
West Virginia	9	19	.468								13	6						
Wisconsin	9	24	.474								21	3						
Total	252	738	.492	1	2	15	27	201	194	110	83	60	24	8	13			
Machine feeders, planing mills:																		
Alabama	13	51	.241				38	7	6									
Arkansas	12	116	.277			1	30	42	38	5								
California	2	4	.478							3	1							
Florida	9	21	.239			2	10	7	2									
Georgia	6	15	.195	4		4	2	5										
Idaho	4	55	.524									54	1					
Louisiana	16	107	.270									1						
Maine	9	13	.341								2							
Michigan	3	19	.407								3							
Minnesota	4	41	.433							6	13							
Mississippi	8	86	.305				9	39	29	1	40	4						
Montana	4	34	.521								15	11	8					
North Carolina	11	53	.253			3	4	6	20	6	4							
Pennsylvania	4	8	.500								5	2	1					
Tennessee	5	10	.355								2							
Texas	8	80	.286			1	13	24	42	5	2	1						
Virginia	2	4	.243															
Washington	9	111	.547								9	95	5	2				
West Virginia	5	10	.377								1							
Wisconsin	8	61	.379								44	17						
Other States	1	1	.600										1					
Total	143	900	.355	4	3	12	16	152	170	232	124	169	16	2				

TABLE B.—AVERAGE AND CLASSIFIED EARNINGS PER HOUR FOR EMPLOYEES IN 6 SELECTED OCCUPATIONS, 1923, BY STATE—Concluded.

Occupation and State.	Number of—		Average earnings per hour.	Employees whose earnings per hour were—												
	Estab-lish-ments.	Em-ploy-ees.		Under 10cents.	10 and under 12cents.	12 and under 14cents.	14 and under 16cents.	16 and under 18cents.	18 and under 20cents.	20 and under 25cents.	25 and under 30cents.	30 and under 40cents.	40 and under 50cents.	50 and under 60cents.	60 and under 70cents.	70 and under 80cents.
Laborers:																
Alabama.....	14	1,507	\$0.199		4	62	92	291	167	735	133	23				
Arkansas.....	16	2,274	.240				8	41	101	1,158	743	223				
California.....	9	1,050	.456									59	714	276	1	
Florida.....	17	1,210	.204		5	9	66	199	118	673	133	7				
Georgia.....	12	703	.160	1	24	125	238	207	3	104	1					
Idaho.....	4	389	.490										297	73	19	
Kentucky.....	13	414	.272		5	3	3	6	3	102	124	159	9			
Louisiana.....	17	2,579	.225			5	129	150	308	1,144	646	198	3	1		
Maine.....	10	341	.300					2		22	127	182	8			
Michigan.....	6	690	.377								2	472	215	1		
Minnesota.....	4	806	.394									405	398	3		
Mississippi.....	9	1,970	.281		5	2	12	39	11	1,364	516	21				
Montana.....	4	429	.473									1	384	32	12	
North Carolina.....	20	1,261	.210	1	1	61	181	296	95	277	219	128	2			
Oregon.....	9	1,194	.514									1	265	865	63	
Pennsylvania.....	5	268	.400									23	244			
South Carolina.....	7	679	.166	2	12	51	168	326	40	80						
Tennessee.....	16	849	.261					9	1	190	474	175				
Texas.....	8	1,347	.256				2	40	34	477	605	187	2			
Virginia.....	11	684	.242			4	27	33	16	268	243	93				
Washington.....	23	3,058	.499								1	4	1,659	1,373	19	2
West Virginia.....	9	532	.348								3	11	439	77	2	
Wisconsin.....	9	1,082	.351								2	50	957	73		
Total.....	252	25,316	.310	4	56	322	928	1,637	892	6,600	4,028	3,757	4,350	2,626	114	2

TABLE C.—AVERAGE AND SPECIFIED DAYS OF WORK OF OCCUPATION AND AVERAGE AND SPECIFIED DAYS ACTUALLY WORKED, 1923, BY LENGTH OF PAY PERIOD AND OCCUPATION.

ONE-WEEK PAY PERIOD.

Occupation.	Number of establishments.	Average number of days of work of occupation in pay period.	Number of establishments in which days of work of occupation in pay period were—		Number of employees.	Average number of days worked by employees in pay period.	Number of employees in occupation who in pay period worked on specified number of days.						
			5	6			1	2	3	4	5	6	7
Sawyers, head, band	95	5.9	2	193	187	5.9	1		1	1	11	173	
Sawyers, head, circular	14	6.0		14	20	6.0						20	
Doggers	103	5.9	2	1 101	398	5.4	9	13	16	26	46	277	6
Setters	106	5.9	2	1 104	231	5.5	9	2	6	10	22	172	10
Saw fallers on head saws	107	5.9	2	1 105	237	5.4	6	10	3	14	31	167	6
Sawyers, gang	20	6.0		20	25	5.7	3	2		2		17	4
Sawyers, resaw	59	5.9	1	1 58	93	5.5	3	2	4	4	8	69	3
Edgermen	107	5.9	2	1 105	267	5.6	4	8	7	6	24	214	4
Trimmer operators	107	5.9	2	1 105	174	5.7	1	3	4	7	15	133	11
Machine feeders, planing mills	65	5.9	4	1 61	302	5.5	5	8	4	19	53	199	14
Laborers	107	6.0	2	1 105	9,485	5.2	334	391	483	714	1,558	5,753	252
Other employees	107	6.0	2	1 105	5,244	5.8	94	97	123	191	472	3,162	1,105

¹ Including 5 mills that ran 6 days and 5 nights.

² Including 1 mill that ran 6 days and 5 nights.

³ Including 4 mills that ran 6 days and 5 nights.

⁴ Including 3 mills that ran 6 days and 5 nights.

⁵ Including 2 mills that ran 6 days and 5 nights.

GENERAL TABLES.

TABLE C.—AVERAGE AND SPECIFIED DAYS OF WORK OF OCCUPATION AND AVERAGE AND SPECIFIED DAYS ACTUALLY WORKED, 1923, BY LENGTH OF PAY PERIOD AND OCCUPATION—Concluded.

TWO-WEEK OR HALF-MONTH PAY PERIOD.

Occupation.	Number of establishments.	Average number of days of work of occupation in pay period.	Number of establishments in which days of work of occupation in pay period were—							Number of employees.	Average number of days worked by employees in pay period.	Number of employees in occupation who in pay period worked on specified number of days.																		
			8	9	10	11	12	13	14			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
Sawyers, head, band.....	82	12.8	---	1	1	1	16	* 56	7	215	12.3	---	2	1	1	2	2	1	---	1	11	11	1	22	5	146	13	2	---	
Sawyers, head, circular.....	14	12.6	---	---	---	1	5	8	---	16	12.0	---	---	---	---	---	---	---	---	---	---	---	---	---	5	8	1	---	---	
Doggers.....	81	12.7	---	2	---	3	15	7 55	6	381	9.6	18	23	9	9	12	17	11	16	18	39	42	42	56	98	10	3	---	---	
Setters.....	88	12.8	---	2	1	2	15	* 61	7	309	11.1	8	10	7	---	9	3	3	6	6	20	25	38	44	106	16	4	1	---	
Saw tallers on head saws.....	88	12.8	---	2	1	3	15	* 60	7	304	10.6	14	5	5	6	4	9	6	7	1	20	22	44	106	12	3	---	---	---	
Sawyers, gang.....	25	12.7	---	1	---	---	5	18	1	36	11.9	2	---	---	---	---	---	---	---	2	2	1	1	6	18	2	4	---	---	
Sawyers, resaw.....	42	12.8	---	---	1	---	4	* 35	2	92	11.5	6	2	1	---	---	---	---	1	2	5	3	11	11	53	6	2	---	---	
Edgermen.....	88	12.8	---	2	2	2	16	* 59	7	314	11.4	8	6	4	3	9	6	4	5	7	14	13	47	165	18	3	3	2	---	---
Trimmer operators.....	88	12.8	1	1	1	3	17	* 59	6	211	11.4	8	6	---	2	3	5	3	2	5	9	11	30	103	21	3	3	---	---	
Machine feeders, planing mills.....	53	12.9	* 1	---	---	---	6	45	1	416	11.4	6	2	6	8	7	8	6	12	12	18	38	59	215	16	3	---	---	---	
Laborers.....	88	12.9	---	1	1	1	17	* 60	8	9,770	10.4	316	325	279	200	328	289	263	301	390	559	833	1,389	3,759	354	101	24	---	---	
Other employees.....	88	12.8	---	1	1	1	14	63	8	5,754	11.9	116	98	62	65	80	95	80	91	121	215	324	650	2,522	435	705	---	---	---	

22 WAGES AND HOURS OF LABOR IN LUMBER MANUFACTURING.

ONE-MONTH PAY PERIOD.

Occupation.	Number of establishments.	Average number of days of work of occupation in pay period.	Number of establishments in which days of work of occupation in pay period were—					Number of employees.	Average number of days worked by employees in pay period.	Number of employees in occupation who in pay period worked on specified number of days.																																			
			22	23	24	25	26			27	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Sawyers, head, band.	53	25.8	1	1	1	5	40	5	127	23.6	1	---	3	1	1	1	1	---	---	---	---	---	---	---	---	3	1	---	1	2	---	3	3	6	14	75	8	---	1	---	---				
Sawyers, head, circular	7	26.0	---	---	---	7	---	---	9	25.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
Doggers	54	25.9	1	1	1	4	42	5	234	19.4	5	1	5	8	3	5	5	3	4	2	2	7	9	4	5	4	6	5	4	5	8	17	7	10	21	71	7	---	1	---	---	---			
Setters	57	25.8	1	1	1	5	44	5	166	20.9	2	4	2	2	2	3	1	1	1	4	1	3	2	3	5	---	7	3	5	3	2	4	7	12	19	63	3	2	---	---	---	---	---		
Saw tailors on head saws	57	25.8	1	1	1	6	43	5	176	20.4	3	5	3	1	2	1	1	4	3	1	2	4	3	3	6	3	5	---	4	6	3	11	9	4	24	60	5	---	---	---	---	---			
Sawyers, gang	10	26.1	---	---	---	1	7	2	19	20.7	1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Sawyers, resaw	30	26.0	---	---	---	3	23	4	74	22.5	1	2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Edgemen	57	25.9	1	1	1	5	44	5	157	22.1	---	4	3	1	1	1	1	1	1	1	1	3	1	1	---	1	2	8	2	6	3	7	6	12	15	68	6	1	---	---	---	---	---		
Trimmer operators	57	26.0	1	---	1	5	45	5	119	23.2	---	---	---	---	2	3	2	1	---	1	1	1	---	3	---	---	---	1	1	2	3	1	5	4	3	14	68	1	1	---	---	---	---	---	
Machine feeders, planing mills	25	25.9	1	---	---	2	20	2	182	21.9	1	---	---	3	---	3	2	3	---	4	5	2	1	1	3	2	6	2	---	1	1	2	7	10	15	39	64	3	2	---	---	---	---	---	
Laborers	57	25.9	1	---	1	4	46	5	6,061	18.4	120	148	169	185	139	147	102	123	113	116	131	137	130	114	122	115	147	132	145	162	166	203	265	404	541	1,584	154	22	12	10	3	---	---	---	---
Other employees	57	25.9	1	---	1	5	45	5	3,308	22.6	25	41	28	40	36	41	35	37	24	26	39	36	31	36	50	37	39	50	58	59	61	84	94	166	275	1,179	197	80	77	286	41	---	---	---	---

⁶ Including 3 mills that ran 13 days and 10 nights.
⁷ Including 4 mills that ran 13 days and 10 nights.

⁸ Including 2 mills that ran 13 days and 10 nights.
⁹ Operated 4 days.

GENERAL TABLES.

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE.

Occupation, pay period, and State.	Number of establishments	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
SAWYERS, HEAD, BAND.						
One week:						
Alabama.....	8	16	60.8	53.2	\$52.59	\$46.02
Florida.....	9	18	60.6	60.6	60.60	60.53
Georgia.....	6	8	58.8	55.9	51.86	49.31
Kentucky.....	6	8	56.0	50.5	35.67	32.16
Louisiana.....	13	32	60.2	59.2	55.02	54.12
Maine.....	8	14	57.8	57.1	40.29	39.80
Mississippi.....	5	17	59.1	57.4	52.72	51.18
North Carolina.....	13	16	61.4	61.2	43.30	42.99
South Carolina.....	6	13	61.4	60.3	51.90	51.14
Tennessee.....	10	12	57.6	57.7	47.12	47.18
Virginia.....	4	9	56.7	60.1	40.77	43.18
Wisconsin.....	2	4	60.0	58.5	43.68	42.56
Other States.....	5	20	54.0	53.3	56.38	55.61
Total.....	95	187	58.9	57.5	50.54	49.34
Two weeks or one-half month:						
Alabama.....	2	2	124.2	115.9	75.76	70.70
Arkansas.....	13	25	129.7	127.8	106.48	104.91
California.....	4	15	128.1	127.8	110.93	110.65
Florida.....	2	3	133.3	135.3	129.30	131.33
Idaho.....	2	8	104.0	104.0	103.49	103.49
Kentucky.....	6	9	123.4	98.8	81.32	65.10
Michigan.....	4	10	123.1	119.6	93.68	91.00
Minnesota.....	3	21	130.0	125.0	110.37	106.18
Mississippi.....	3	12	130.0	108.6	109.46	91.43
Montana.....	4	14	113.6	110.0	115.53	111.89
Oregon.....	5	21	104.1	97.3	118.05	110.40
Pennsylvania.....	4	9	130.0	121.1	91.00	84.74
Tennessee.....	6	10	132.0	124.1	85.91	79.92
Texas.....	7	21	127.3	123.3	108.08	104.68
Virginia.....	2	3	123.3	119.5	66.71	64.64
Washington.....	6	14	104.0	96.0	117.00	108.02
Wisconsin.....	7	14	127.8	122.9	97.38	93.69
Other States.....	2	4	125.0	122.5	100.13	98.13
Total.....	82	215	122.5	116.3	105.47	100.11
One month:						
Alabama.....	2	4	260.0	234.8	219.44	198.15
Arkansas.....	2	4	260.0	256.5	216.32	213.49
California.....	4	14	245.4	228.8	249.57	232.79
Florida.....	2	3	266.7	266.7	312.49	312.49
Idaho.....	2	13	208.0	207.8	203.84	203.70
Michigan.....	2	8	270.0	258.5	248.40	237.88
North Carolina.....	6	8	259.0	223.6	188.81	162.97
Oregon.....	3	9	207.4	206.5	249.29	248.16
Virginia.....	5	10	263.0	227.5	183.84	159.02
Washington.....	14	27	208.1	192.7	242.67	224.56
West Virginia.....	9	18	260.0	221.2	174.46	148.40
Other States.....	2	9	258.8	159.7	216.36	133.50
Total.....	53	127	239.2	214.8	223.17	200.45
SAWYERS, HEAD, CIRCULAR.						
One week:						
Alabama.....	2	2	60.0	60.0	57.00	57.00
Florida.....	2	2	60.0	59.5	63.42	62.88
Georgia.....	2	2	63.0	63.0	39.00	39.00
Louisiana.....	4	7	60.0	60.0	60.69	60.69
Maine.....	2	4	60.0	57.5	36.12	34.63
Other States.....	2	3	58.3	58.3	49.13	49.13
Total.....	14	20	60.1	59.5	51.93	51.42
Two weeks or half month:						
Georgia.....	3	3	138.3	127.6	67.08	61.88
Texas.....	3	3	130.0	113.5	109.59	95.65
Washington.....	2	2	104.0	104.0	107.90	107.90
Wisconsin.....	2	4	130.0	99.3	105.30	80.40
Other States.....	4	4	121.0	119.8	96.92	95.91
Total.....	14	16	126.1	113.0	97.22	87.10

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
SAWYERS, HEAD, CIRCULAR—concluded.						
One month:						
Florida.....	2	2	273. 0	270. 5	\$282. 28	\$179. 70
Washington.....	3	5	206. 0	206. 4	231. 50	229. 66
Other States.....	2	2	270. 0	247. 5	168. 21	154. 25
Total.....	7	9	236. 2	229. 8	230. 30	224. 00
DOGGERS.						
One week:						
Alabama.....	10	43	60. 7	49. 0	15. 18	12. 23
Florida.....	10	44	60. 7	59. 3	16. 87	16. 50
Georgia.....	8	19	60. 6	50. 3	12. 85	10. 64
Kentucky.....	7	12	54. 8	49. 5	18. 36	16. 58
Louisiana.....	16	82	60. 1	54. 8	17. 13	15. 65
Maine.....	8	25	59. 0	59. 0	18. 53	18. 53
Mississippi.....	5	33	59. 2	54. 1	17. 11	15. 63
North Carolina.....	13	29	61. 1	56. 9	14. 54	13. 52
South Carolina.....	7	31	60. 6	52. 0	13. 33	11. 45
Tennessee.....	10	23	58. 1	48. 3	17. 66	14. 67
Virginia.....	4	21	56. 9	55. 4	13. 88	13. 49
Wisconsin.....	2	5	60. 0	60. 2	23. 76	23. 85
Other States.....	3	26	58. 2	47. 9	19. 79	16. 28
Total.....	103	393	59. 7	53. 7	16. 48	14. 82
Two weeks or half month:						
Alabama.....	2	5	126. 3	97. 5	31. 20	24. 06
Arkansas.....	13	58	129. 8	108. 5	35. 44	29. 61
California.....	4	22	128. 2	108. 7	58. 20	49. 39
Florida.....	3	11	130. 9	82. 7	30. 24	19. 12
Georgia.....	3	5	138. 0	97. 3	23. 46	16. 56
Idaho.....	2	11	104. 0	74. 0	55. 22	39. 35
Kentucky.....	6	16	128. 0	73. 4	40. 83	23. 45
Michigan.....	4	15	123. 8	88. 6	53. 61	38. 37
Mississippi.....	3	30	130. 2	96. 0	35. 67	26. 31
Oregon.....	6	29	105. 6	84. 2	65. 47	52. 24
Pennsylvania.....	2	5	130. 0	63. 0	58. 11	28. 14
Tennessee.....	6	16	130. 1	98. 0	38. 77	29. 25
Texas.....	7	78	128. 2	71. 1	36. 28	20. 13
Virginia.....	2	4	122. 5	119. 1	32. 71	31. 85
Washington.....	7	26	104. 0	89. 0	56. 26	48. 18
Wisconsin.....	7	24	125. 0	80. 0	49. 13	31. 48
Other States.....	4	24	126. 2	97. 6	44. 30	34. 20
Total.....	81	381	124. 1	88. 9	44. 43	31. 86
One month:						
Alabama.....	2	17	260. 0	138. 4	60. 84	32. 45
Arkansas.....	2	8	260. 0	228. 2	80. 08	70. 27
California.....	3	21	241. 5	181. 8	120. 27	90. 54
Florida.....	4	12	270. 7	238. 3	64. 16	56. 58
Idaho.....	2	12	208. 0	160. 7	109. 20	84. 37
Michigan.....	2	11	270. 0	204. 4	138. 78	105. 05
North Carolina.....	6	9	258. 8	253. 5	88. 51	86. 58
Oregon.....	3	24	207. 4	153. 5	110. 13	81. 56
Virginia.....	5	16	262. 5	205. 3	75. 60	59. 15
Washington.....	15	65	208. 5	158. 9	111. 96	85. 31
West Virginia.....	7	18	260. 0	176. 6	100. 88	68. 59
Other States.....	3	21	253. 9	133. 7	74. 82	58. 59
Total.....	54	234	237. 0	173. 6	100. 01	73. 23
SETTEBS.						
One week:						
Alabama.....	10	22	60. 5	50. 1	20. 93	17. 34
Florida.....	10	23	60. 4	54. 3	23. 80	21. 36
Georgia.....	8	11	59. 6	56. 5	20. 26	19. 17
Kentucky.....	7	10	56. 4	43. 9	20. 19	15. 69
Louisiana.....	16	39	60. 1	58. 8	22. 78	22. 30
Maine.....	9	17	57. 8	57. 8	24. 27	24. 27
Mississippi.....	5	16	59. 4	57. 2	21. 92	21. 08
North Carolina.....	13	18	61. 1	58. 3	19. 00	18. 11
South Carolina.....	7	17	60. 4	50. 1	18. 84	15. 63

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
SETTERS—concluded.						
One week—Concluded.						
Tennessee.....	10	13	57.4	53.0	\$23.02	\$21.25
Virginia.....	4	8	57.5	55.3	15.93	15.30
Wisconsin.....	2	4	60.0	60.0	30.38	30.38
Other States.....	5	33	55.3	51.6	32.79	30.63
Total.....	106	231	58.9	54.4	23.32	21.57
Two weeks or half month:						
Alabama.....	2	4	126.7	61.5	52.33	25.36
Arkansas.....	13	26	129.7	122.3	48.51	45.95
California.....	4	15	128.1	125.2	67.76	66.22
Florida.....	3	4	130.0	120.0	45.89	42.31
Georgia.....	3	4	136.8	101.7	27.91	20.75
Idaho.....	2	14	104.0	96.6	66.66	61.92
Kentucky.....	6	9	125.3	104.4	48.12	40.10
Michigan.....	4	11	124.5	105.6	61.63	52.31
Minnesota.....	3	45	130.0	117.7	69.29	62.74
Mississippi.....	3	13	130.0	92.5	51.61	36.75
Montana.....	4	31	115.7	102.5	73.35	65.00
Oregon.....	6	29	105.8	89.3	71.94	61.02
Pennsylvania.....	4	13	130.0	102.0	69.81	54.80
Tennessee.....	6	15	131.2	78.3	47.36	28.48
Texas.....	7	33	127.0	90.0	45.97	32.54
Virginia.....	2	3	123.3	118.3	38.10	26.52
Washington.....	7	16	104.0	97.0	64.27	59.92
Wisconsin.....	7	20	126.5	117.5	59.58	55.36
Other States.....	2	4	125.0	104.8	37.13	31.10
Total.....	88	309	122.7	103.9	60.98	51.60
One month:						
Alabama.....	2	8	260.0	138.3	103.22	54.83
Arkansas.....	2	4	260.0	248.0	100.62	95.99
California.....	4	17	246.8	188.7	149.56	114.29
Florida.....	2	9	266.2	183.3	88.64	62.63
Idaho.....	2	18	208.0	183.3	131.66	116.04
Michigan.....	2	11	265.5	194.7	149.48	109.63
North Carolina.....	6	7	258.4	247.5	111.37	106.57
Oregon.....	3	11	207.5	177.2	132.59	113.28
Virginia.....	5	11	261.8	209.1	115.98	92.72
Washington.....	15	38	108.1	173.1	133.39	110.95
West Virginia.....	9	24	260.0	194.3	116.74	87.17
Other States.....	3	8	259.0	184.0	96.87	68.76
Total.....	57	166	238.4	187.6	126.35	99.37
SAW TAILERS ON HEAD SAWS.						
One week:						
Alabama.....	10	31	60.6	46.7	16.54	12.73
Florida.....	10	21	60.5	61.0	15.97	16.10
Georgia.....	8	13	58.9	51.0	12.13	10.52
Kentucky.....	7	10	56.2	52.0	13.32	16.96
Louisiana.....	16	41	60.1	56.1	16.41	15.34
Maine.....	10	19	57.8	57.8	20.78	20.78
Mississippi.....	5	17	59.1	53.3	16.31	14.71
North Carolina.....	13	16	61.4	58.4	14.13	12.49
South Carolina.....	7	17	60.4	48.7	12.62	10.16
Tennessee.....	10	15	57.8	50.9	16.42	14.45
Virginia.....	4	8	57.5	55.4	13.46	12.97
Wisconsin.....	2	5	60.0	52.4	22.80	19.89
Other States.....	5	24	55.0	50.5	23.82	21.89
Total.....	107	237	59.1	53.4	17.02	15.39
Two weeks or half month:						
Alabama.....	2	3	122.8	119.3	28.74	27.90
Arkansas.....	13	31	129.7	109.1	34.50	29.01
California.....	4	18	128.4	121.7	60.73	57.57
Florida.....	3	5	128.0	98.9	30.98	23.95
Georgia.....	3	4	139.5	97.1	21.62	15.00
Idaho.....	2	8	104.0	103.5	55.95	55.71
Kentucky.....	6	9	127.5	98.4	38.76	29.90
Michigan.....	4	13	127.2	92.1	51.39	37.21
Minnesota.....	3	21	130.0	123.7	53.17	50.58
Mississippi.....	3	10	130.0	110.5	34.58	29.37

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings
SAW TAILERS ON HEAD SAWS—concluded.						
Two weeks or half month—Con.						
Montana.....	4	13	112.4	94.8	\$57.89	\$48.81
Oregon.....	6	28	105.6	82.0	58.92	45.76
Pennsylvania.....	4	13	130.0	72.2	57.59	31.97
Tennessee.....	6	13	132.2	110.6	41.64	34.85
Texas.....	7	35	127.6	77.1	33.43	20.18
Virginia.....	2	3	123.3	117.5	34.89	33.29
Washington.....	7	15	104.0	103.8	56.99	56.88
Wisconsin.....	7	18	126.6	109.3	50.77	43.81
Other States.....	2	4	125.0	117.3	29.63	27.81
Total.....	88	264	123.4	99.9	47.26	38.25
One month:						
Alabama.....	2	12	260.0	176.7	70.72	48.12
Arkansas.....	2	4	260.0	183.5	78.00	55.05
California.....	4	14	245.4	227.8	126.63	117.45
Florida.....	4	6	269.3	222.3	50.01	40.25
Idaho.....	2	17	208.0	130.7	104.42	65.56
Michigan.....	2	12	270.5	204.8	114.15	86.40
North Carolina.....	6	7	258.4	199.4	82.95	63.98
Oregon.....	3	14	207.2	204.9	121.00	119.72
Virginia.....	5	13	262.3	179.4	81.31	55.69
Washington.....	15	45	208.0	167.6	115.86	93.40
West Virginia.....	9	20	260.0	206.3	97.50	77.40
Other States.....	3	12	259.8	160.8	73.00	45.11
Total.....	57	176	237.4	183.2	103.03	79.61
SAWYERS, GANG.						
One week:						
Alabama.....	3	5	60.0	55.8	23.82	22.17
Florida.....	6	7	60.7	51.5	22.28	18.90
Louisiana.....	5	6	61.7	64.7	35.85	37.58
Mississippi.....	2	3	58.3	64.0	25.89	28.43
Other States.....	4	4	57.0	62.5	36.25	39.75
Total.....	20	25	59.9	58.8	29.05	28.51
Two weeks or half month:						
Arkansas.....	4	4	130.0	143.5	50.80	66.04
Florida.....	2	2	130.0	116.6	39.91	35.75
Oregon.....	3	5	104.0	104.0	95.16	95.16
Texas.....	3	5	127.1	106.6	83.12	69.73
Washington.....	5	9	104.0	90.0	66.87	57.89
Wisconsin.....	3	5	130.2	104.2	61.85	49.49
Other States.....	5	6	127.2	125.8	69.20	68.45
Total.....	25	36	119.0	109.6	70.57	64.98
One month:						
Alabama.....	2	5	260.0	163.8	126.10	79.49
Florida.....	2	2	278.0	289.3	128.44	133.50
Washington.....	6	12	208.0	162.2	168.48	131.43
Total.....	10	19	229.1	176.0	153.50	117.96
SAWYERS, RESAW.						
One week:						
Alabama.....	9	14	60.9	54.1	25.88	23.06
Florida.....	4	5	60.0	64.2	24.00	25.65
Georgia.....	3	3	58.3	56.8	22.91	22.32
Louisiana.....	5	11	60.5	51.0	17.30	14.60
Maine.....	9	14	58.9	54.7	22.97	21.33
Mississippi.....	4	5	59.0	58.1	26.43	26.02
North Carolina.....	10	12	61.2	60.8	17.14	17.01
South Carolina.....	5	11	61.1	48.1	17.66	13.90
Tennessee.....	3	4	58.8	60.5	22.76	23.44
Virginia.....	2	6	58.3	54.5	14.46	13.50
Wisconsin.....	2	4	60.0	60.0	24.75	24.75
Other States.....	3	4	52.9	51.1	29.36	28.39
Total.....	59	93	59.7	55.3	21.49	19.91

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
SAWYERS, RESAW—concluded.						
Two weeks or half month:						
Arkansas.....	6	11	130.2	122.0	\$56.90	\$53.35
California.....	3	7	127.1	110.1	78.39	68.18
Michigan.....	2	6	115.0	78.7	63.48	43.40
Minnesota.....	3	6	130.0	130.0	61.75	61.75
Oregon.....	4	16	104.2	93.9	69.08	62.27
Pennsylvania.....	3	5	130.0	102.8	64.09	50.72
Tennessee.....	2	2	135.0	132.3	45.77	44.88
Washington.....	6	15	104.0	103.8	67.29	67.13
Wisconsin.....	7	13	124.6	104.5	57.81	48.47
Other States.....	6	11	114.7	103.9	45.64	41.23
Total.....	42	92	117.6	105.5	61.98	55.56
One month:						
Alabama.....	2	3	263.3	261.3	100.05	90.19
California.....	4	10	248.0	210.5	149.80	126.70
Oregon.....	3	9	207.4	206.6	142.90	142.32
Washington.....	14	42	208.3	172.2	135.81	112.26
West Virginia.....	3	4	260.0	163.0	114.14	84.72
Other States.....	4	6	263.1	245.8	117.61	109.77
Total.....	30	74	223.0	192.2	134.25	115.65
EDGERMEN.						
One week:						
Alabama.....	10	23	60.8	56.3	20.61	19.05
Florida.....	10	23	60.4	57.3	27.42	26.04
Georgia.....	8	14	60.4	57.1	23.86	22.54
Kentucky.....	7	8	56.7	50.2	19.73	17.49
Louisiana.....	16	61	60.1	58.1	23.32	22.54
Maine.....	10	17	58.5	58.6	27.38	27.40
Mississippi.....	5	28	59.3	56.6	24.14	23.06
North Carolina.....	13	17	61.2	58.9	18.97	18.28
South Carolina.....	7	19	60.7	49.3	18.27	14.86
Tennessee.....	10	13	57.4	55.1	22.44	21.52
Virginia.....	4	9	57.8	52.7	15.03	13.72
Wisconsin.....	2	5	60.0	61.2	27.30	27.87
Other States.....	5	30	56.0	52.5	30.63	28.70
Total.....	107	267	59.4	56.0	23.76	22.38
Two weeks or half month:						
Alabama.....	2	4	126.7	61.8	44.73	21.84
Arkansas.....	13	40	129.9	122.6	50.01	47.23
California.....	4	22	127.6	114.9	81.41	73.39
Florida.....	3	4	130.0	121.3	48.75	45.54
Georgia.....	3	3	138.3	121.9	26.83	23.60
Idaho.....	2	10	104.0	104.0	72.26	72.28
Kentucky.....	6	8	127.2	113.9	54.19	48.50
Michigan.....	4	12	124.3	107.3	61.90	53.43
Minnesota.....	3	33	130.0	127.5	63.70	62.42
Mississippi.....	3	19	130.0	113.5	45.76	39.94
Montana.....	4	14	113.6	109.0	80.88	77.60
Oregon.....	6	35	105.1	93.7	80.09	71.40
Pennsylvania.....	4	7	130.0	129.6	66.82	66.61
Tennessee.....	6	14	130.6	89.7	49.50	33.98
Texas.....	7	42	127.6	82.6	50.40	32.65
Virginia.....	2	3	123.3	119.2	43.16	41.70
Washington.....	7	19	104.0	85.7	74.36	61.29
Wisconsin.....	7	19	126.8	124.6	60.74	59.61
Other States.....	2	6	126.7	114.0	43.46	39.10
Total.....	88	314	123.0	107.0	62.12	54.05
One month:						
Alabama.....	2	4	260.0	184.3	106.86	75.81
Arkansas.....	2	4	260.0	237.6	108.16	98.86
California.....	4	20	243.1	180.6	162.88	121.03
Florida.....	4	6	267.7	264.9	98.25	97.32
Idaho.....	2	12	208.0	205.5	132.50	130.90
Michigan.....	2	13	271.2	203.6	140.75	105.56

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
EDGERMEN—concluded.						
One month—Concluded.						
North Carolina.....	6	7	258.7	233.5	\$109.43	\$98.81
Oregon.....	3	17	207.2	176.6	175.50	149.59
Virginia.....	5	9	263.3	217.9	117.43	97.09
Washington.....	15	38	202.6	184.1	157.62	143.14
West Virginia.....	9	19	260.0	202.2	121.68	94.59
Other States.....	3	8	260.0	207.9	104.00	83.08
Total.....	57	157	235.6	198.1	141.36	118.83
TRIMMER OPERATORS.						
One week:						
Alabama.....	10	17	60.7	59.0	16.81	16.32
Florida.....	10	14	60.4	54.5	21.93	19.78
Georgia.....	8	3	60.1	58.9	15.75	15.45
Kentucky.....	7	7	56.2	58.5	18.21	18.93
Louisiana.....	16	26	59.9	55.2	19.95	18.37
Maine.....	10	17	58.2	58.2	19.26	19.26
Mississippi.....	5	20	59.5	60.8	20.65	21.11
North Carolina.....	13	16	61.2	59.3	15.36	14.87
South Carolina.....	7	12	60.1	48.3	14.66	11.78
Tennessee.....	10	11	57.4	59.1	19.11	19.68
Virginia.....	4	9	56.7	58.6	14.00	14.47
Wisconsin.....	2	3	60.0	60.0	25.50	25.50
Other States.....	5	14	54.9	54.1	26.57	26.17
Total.....	107	174	59.1	57.1	19.09	18.43
Two weeks or half month:						
Alabama.....	2	2	123.9	107.9	36.43	31.78
Arkansas.....	13	19	129.6	122.6	41.73	39.48
California.....	4	16	128.0	131.9	70.40	72.53
Florida.....	3	3	126.7	106.0	43.58	36.42
Georgia.....	3	4	138.8	94.8	20.54	14.06
Idaho.....	2	6	104.0	104.0	60.84	60.84
Kentucky.....	6	6	126.6	117.5	49.37	45.78
Michigan.....	4	12	126.8	91.0	58.84	42.23
Minnesota.....	3	28	130.0	114.7	54.21	47.79
Mississippi.....	3	10	130.1	103.7	36.43	29.05
Montana.....	4	12	114.9	108.4	56.99	51.24
Oregon.....	6	22	104.5	101.5	72.31	70.31
Pennsylvania.....	4	13	130.0	84.0	58.63	37.90
Tennessee.....	6	7	130.5	116.4	44.11	39.33
Texas.....	7	18	126.8	84.2	43.11	28.6
Virginia.....	2	3	123.3	106.7	39.70	34.38
Washington.....	7	15	104.0	96.5	69.99	64.94
Wisconsin.....	7	12	126.6	118.0	53.68	50.07
Other States.....	2	3	123.3	126.6	32.67	33.55
Total.....	88	211	122.9	106.6	55.43	48.05
One month:						
Alabama.....	2	5	260.0	242.5	78.26	72.91
Arkansas.....	2	2	260.0	240.5	77.48	71.76
California.....	4	9	244.7	236.2	143.15	138.15
Florida.....	4	4	269.0	251.8	63.22	59.27
Idaho.....	2	4	208.0	216.5	118.14	122.97
Michigan.....	2	5	264.6	262.2	133.09	131.84
North Carolina.....	6	7	258.6	212.5	96.98	79.69
Oregon.....	3	13	207.2	206.4	165.97	165.25
Virginia.....	5	7	262.9	238.1	97.01	87.97
Washington.....	15	40	208.3	174.4	143.94	120.59
West Virginia.....	9	16	260.0	246.6	102.96	97.68
Other States.....	3	7	254.8	178.3	8.91	61.50
Total.....	57	119	234.2	210.2	124.36	111.58

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
MACHINE FEEDERS, PLANING MILLS.						
One week:						
Alabama.....	10	45	60.5	53.0	\$14.16	\$12.40
Florida.....	6	16	60.0	53.3	15.30	13.57
Georgia.....	4	9	58.3	53.8	13.29	12.24
Louisiana.....	15	102	60.1	55.5	16.17	14.56
Maine.....	9	13	58.8	58.8	20.02	20.02
Mississippi.....	4	46	59.9	57.8	13.57	17.95
North Carolina.....	9	38	59.8	54.4	12.68	11.52
Tennessee.....	2	3	57.0	58.7	24.17	24.57
Wisconsin.....	2	7	60.0	53.0	19.32	17.06
Other States.....	4	23	60.2	55.7	21.19	19.64
Total.....	65	302	60.0	55.3	16.44	15.14
Two weeks or half month:						
Alabama.....	2	5	126.3	87.7	35.26	24.61
Arkansas.....	10	98	130.0	116.6	35.36	31.77
Georgia.....	2	6	139.3	113.7	20.34	16.58
Idaho.....	2	34	104.0	94.2	54.91	49.72
Michigan.....	2	15	129.3	85.0	51.72	33.97
Minnesota.....	3	35	130.0	118.3	55.98	50.43
Mississippi.....	3	30	130.0	121.1	41.21	38.37
Montana.....	4	34	112.1	100.2	58.40	52.17
Pennsylvania.....	3	5	130.0	92.4	69.94	49.68
Tennessee.....	3	7	128.3	117.1	41.70	38.05
Texas.....	7	67	133.9	103.4	33.88	30.00
Washington.....	2	16	104.0	98.8	54.29	51.52
Wisconsin.....	6	54	128.2	111.1	49.57	42.94
Other States.....	4	10	130.0	122.8	39.91	37.67
Total.....	53	416	128.0	108.7	45.36	39.11
One month:						
Arkansas.....	2	18	260.0	224.8	79.82	68.98
Florida.....	2	3	268.7	231.8	52.13	44.86
Idaho.....	2	21	208.0	170.2	107.74	88.09
North Carolina.....	2	15	259.2	206.3	92.26	73.51
Washington.....	7	95	207.9	173.1	114.55	95.33
West Virginia.....	5	10	260.0	262.9	68.02	66.19
Other States.....	5	20	258.7	199.4	90.03	69.28
Total.....	25	182	226.7	189.4	103.60	86.61
LABORERS.						
One week:						
Alabama.....	10	1,108	60.9	49.4	12.12	9.81
Florida.....	10	772	60.5	54.6	12.83	11.55
Georgia.....	8	522	59.4	49.8	9.86	8.25
Kentucky.....	7	148	55.7	43.3	15.48	12.04
Louisiana.....	16	2,425	60.5	55.5	13.79	12.67
Maine.....	10	341	58.1	54.5	17.43	16.37
Mississippi.....	5	1,006	59.8	50.4	14.11	11.88
North Carolina.....	13	832	60.5	50.8	10.83	9.12
South Carolina.....	7	679	60.4	50.1	10.03	8.31
Tennessee.....	10	445	57.5	48.1	14.61	12.24
Virginia.....	1	302	59.8	52.9	12.74	11.24
Wisconsin.....	2	171	60.0	51.3	18.72	15.99
Other States.....	5	734	57.0	49.4	20.29	17.61
Total.....	107	9,485	59.8	51.8	13.57	11.79
Two weeks or half month:						
Alabama.....	2	115	125.1	84.8	24.89	16.85
Arkansas.....	13	1,930	130.1	107.0	31.09	25.59
California.....	4	624	127.9	106.6	56.79	47.31
Florida.....	3	126	128.7	99.4	24.84	19.18
Georgia.....	3	140	139.7	94.3	19.98	13.44
Idaho.....	2	156	104.0	95.0	50.75	46.37
Kentucky.....	6	266	126.4	79.3	33.88	21.24
Michigan.....	4	379	124.3	82.8	45.74	30.49
Minnesota.....	3	627	130.1	107.0	50.48	41.47
Mississippi.....	3	694	130.3	98.9	29.97	22.75
Montana.....	4	429	110.5	92.0	52.27	43.56

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Continued.

Occupation, pay period, and State.	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
LABORERS—concluded.						
Two weeks or half month—Con.						
Oregon.....	6	672	105.3	91.5	\$55.49	\$48.19
Pennsylvania.....	4	222	130.0	101.9	52.00	40.74
Tennessee.....	6	404	131.0	91.4	35.11	24.54
Texas.....	2	1,097	129.6	87.8	33.18	22.45
Virginia.....	2	81	124.2	94.2	28.94	21.94
Washington.....	7	692	105.2	92.2	51.86	45.39
Wisconsin.....	7	911	128.7	90.3	46.07	35.55
Other States.....	2	205	127.5	99.8	28.18	22.05
Total.....	88	9,770	124.7	97.3	41.53	32.36
One month:						
Alabama.....	2	284	260.0	144.6	51.74	28.78
Arkansas.....	2	228	260.0	196.1	69.16	52.21
California.....	4	348	246.2	185.9	113.50	85.69
Florida.....	4	312	266.0	195.5	50.30	36.63
Idaho.....	2	233	208.0	152.3	102.13	74.72
Michigan.....	2	311	270.5	180.5	105.22	70.18
North Carolina.....	6	378	258.5	159.6	72.90	45.03
Oregon.....	3	522	206.8	143.3	102.99	71.36
Virginia.....	5	301	261.6	175.6	71.68	48.12
Washington.....	15	2,255	208.2	158.3	104.10	79.16
West Virginia.....	9	532	260.0	182.1	90.48	63.37
Other States.....	3	357	259.0	125.3	63.71	30.83
Total.....	57	6,061	234.3	163.3	93.02	64.77
OTHER EMPLOYEES.						
One week:						
Alabama.....	10	482	63.8	57.9	18.57	16.84
Florida.....	10	454	63.4	63.9	23.08	23.22
Georgia.....	8	326	61.9	57.0	18.07	16.66
Kentucky.....	7	145	57.0	52.0	20.92	19.09
Louisiana.....	16	1,068	64.5	63.0	23.15	22.59
Maine.....	10	285	60.1	60.2	23.14	23.18
Mississippi.....	5	710	62.1	55.1	23.91	21.24
North Carolina.....	13	418	65.0	59.7	16.06	14.75
South Carolina.....	7	309	64.4	62.4	20.29	19.66
Tennessee.....	10	354	59.4	55.3	21.62	20.17
Virginia.....	4	157	64.1	61.6	17.31	16.62
Wisconsin.....	2	142	61.5	54.3	23.62	20.86
Other States.....	5	394	59.2	55.0	25.99	24.14
Total.....	107	5,244	62.6	59.0	21.66	20.43
Two weeks or half month:						
Alabama.....	2	62	126.5	102.0	37.70	30.46
Arkansas.....	13	706	134.9	127.8	46.81	44.33
California.....	4	440	131.2	128.9	71.50	70.28
Florida.....	3	65	136.3	120.3	54.38	51.61
Georgia.....	3	64	145.8	122.7	26.39	22.20
Idaho.....	2	222	104.8	100.6	60.36	57.90
Kentucky.....	6	130	129.4	108.7	44.25	37.19
Michigan.....	4	255	129.1	109.7	55.51	47.17
Minnesota.....	3	500	134.0	125.9	61.77	58.12
Mississippi.....	3	537	132.4	116.3	46.47	40.83
Montana.....	4	358	115.0	102.7	60.72	54.21
Oregon.....	6	401	107.8	99.0	66.62	61.21
Pennsylvania.....	4	152	133.3	117.9	63.05	55.75
Tennessee.....	6	260	132.4	144.3	43.96	37.90
Texas.....	7	503	136.1	98.6	46.00	33.32
Virginia.....	2	34	129.9	114.8	35.46	31.37
Washington.....	7	441	107.0	100.4	62.49	58.62
Wisconsin.....	7	547	130.3	120.2	52.38	48.36
Other States.....	2	77	128.4	119.2	38.78	35.99
Total.....	88	5,754	126.9	114.0	55.07	49.49

TABLE D.—AVERAGE FULL-TIME HOURS AND EARNINGS AND AVERAGE ACTUAL HOURS AND EARNINGS, 1923, BY OCCUPATION, LENGTH OF PAY PERIOD, AND STATE—Concluded.

Occupation, pay period, and State	Number of establishments.	Number of employees.	Average full-time hours per pay period.	Average actual hours worked.	Average full-time earnings per pay period.	Average actual earnings.
OTHER EMPLOYEES—concluded.						
One month:						
Alabama.....	2	137	265.4	201.3	\$77.76	\$58.91
Arkansas.....	2	79	276.5	253.8	100.37	92.07
California.....	4	261	249.1	204.6	140.99	115.87
Florida.....	4	126	288.9	265.8	91.00	83.67
Idaho.....	2	242	212.2	196.4	120.32	111.26
Michigan.....	2	239	279.0	215.6	115.79	89.41
North Carolina.....	6	105	271.8	224.9	103.01	85.28
Oregon.....	3	224	215.3	185.1	126.81	109.05
Virginia.....	5	175	269.8	218.2	103.87	84.09
Washington.....	15	1,173	214.5	193.7	126.98	114.66
West Virginia.....	9	295	269.9	228.0	106.61	90.12
Other States.....	3	252	263.0	201.6	91.26	70.05
Total.....	57	3,308	241.6	206.2	117.42	100.14

