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POLE AND PILING PRODUCTION IN THE MIDSOUTH

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POLE AND PILING PRODUCTION IN THE MIDSOUTH

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Pole and Piling Production in the Midsouth

In 1964, nearly 53 million cubic feet of poles and piling were produced in the Midsouth—Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas. Virtually all the volume was southern pine.

In 1964, over half of the Nation's treated poles and piling was harvested in the Midsouth. The region's production was centered in Alabama, Mississippi, Louisiana, and Arkansas (fig. 1), where about 85 percent of the volume was harvested. Alabama alone supplied 12.6 million cubic feet.

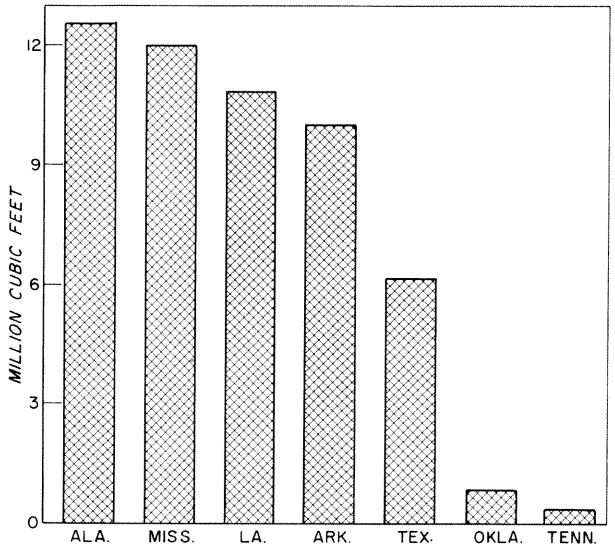

Figure 1.—*Midsouth pole and piling output by State, 1964.*

About 75 percent of the poles harvested in the Nation, and all of those cut in the Midsouth, were southern pine. Minor amounts of oak, hickory, and cypress were cut in the region for piling.

Utility poles were the most important product, comprising three-fourths of the area's output (fig. 2). Almost three-fourths of the utility-pole volume was in 30- to 45-foot lengths. The most common utility pole was class 5 and 35 feet long.[1] Alabama and Mississippi were the top producers, jointly furnishing over half the utility-pole volume.

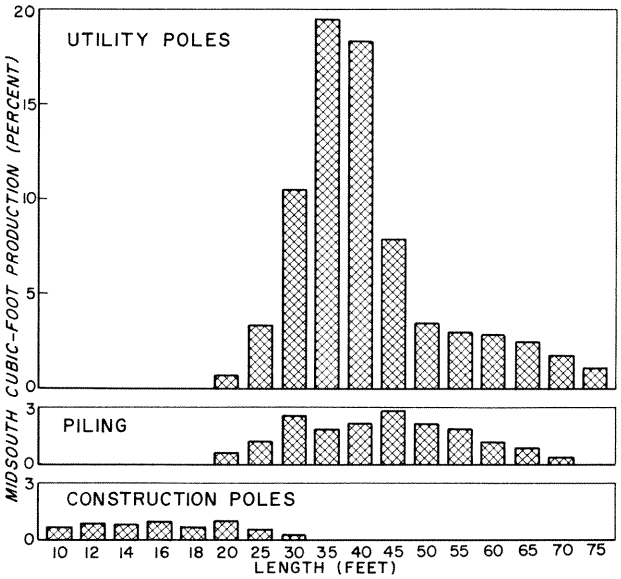

Figure 2.—*Distribution of Midsouth pole and piling output by length.*

Six percent of the output—3 million cubic feet—was for construction or "barn" poles. The average construction pole was 14 feet long and contained less than 3 cubic feet. Top diameters were generally 4 or 5 inches. Poles of 5-inch top diameters comprised the greatest volume. The most common construction pole was 10 feet long with a 4-inch top diameter.

For utility and construction types combined, Louisiana had the largest average pole—33 feet long and 15 cubic feet. Oklahoma had the smallest—17 feet long and 4 cubic feet. Varia-

[1] For explanation of pole classes see American Standards Association, Inc. **American standard specifications and dimensions for wood poles.** 15 pp. New York. 1963.

tion in average size by State reflects the proportion of output for construction and the difference in timber size by State.

Piling volume totaled almost 10 million cubic feet. Louisiana was the leading producer, with a piling output of 4.2 million cubic feet. Mississippi was second, with 2.3 million cubic feet. Together, these States produced two-thirds of the region's piling. More volume was in 45-foot piles than any other length. The average length and volume of piles varied by State; Alabama's average pile was largest.

Nearly 13 million cubic feet of Midsouth poles and piling, roughly one-fourth of the total production, moved interstate in 1964. Some 8 million cubic feet were shipped out of the region. Alabama was the major exporter; Illinois, Missouri, and Florida were the principal recipients. Georgia, Indiana, Kentucky, Minnesota, New Hampshire, Ohio, South Carolina, and Virginia also received Midsouth products (fig. 3).

All poles from the Midsouth were treated with preservatives. The 1.4 million cubic feet of untreated piling included all of the cypress, oak, and hickory, and 12 percent of the pine. More than 80 percent of the untreated pine was cut in Arkansas, while the bulk of the cypress came from Louisiana.

All untreated piling shipped out of the Midsouth—40 percent of the total—went to Missouri. Tennessee, which produced mainly untreated oak, was the biggest consumer of untreated piling in the region.

Less than 1 percent of the poles and piling treated in the Midsouth came from outside the region.

The pole and piling industry has been fairly stable since 1950, with output gradually increasing (fig. 4). There were 287 treating plants in the United States in 1950. Since then, a consistent three-fourths of the poles and piling treated in the United States has been southern pine.

By 1964, when the number of plants in the United States had increased to 402, the Midsouth alone had 121. Of these, 105 treated

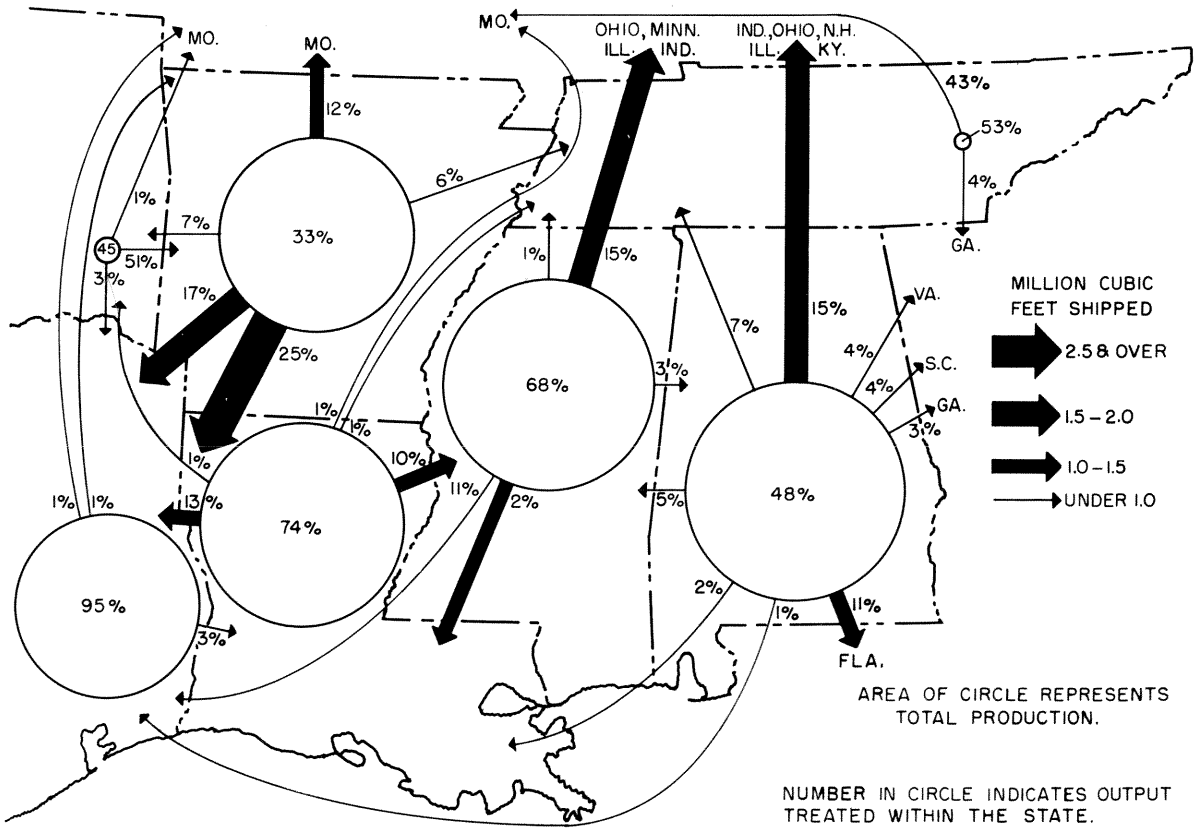

Figure 3.—*Out-of-State pole and piling shipments.*

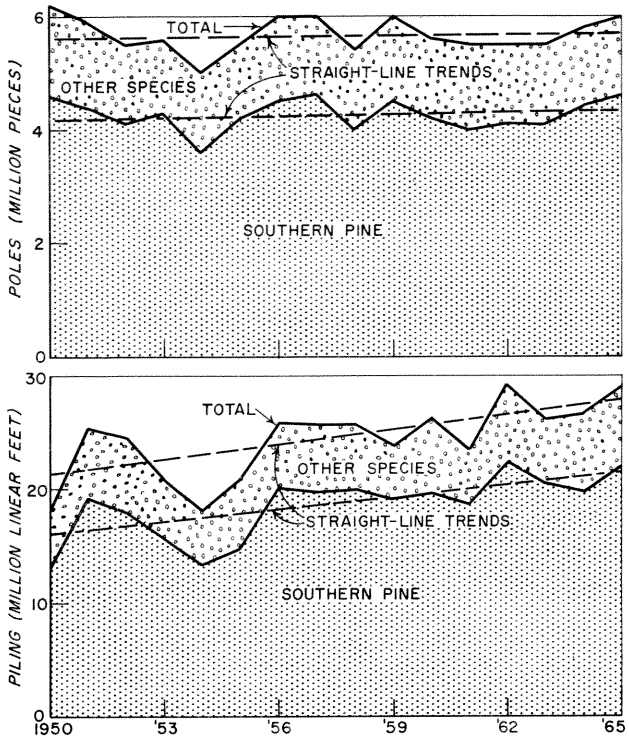

Figure 4.—*Poles and piling treated with preservatives, 1950-1965.*

poles and piling (fig. 5). They processed 12 million linear feet of piling and 3.7 million poles in addition to other products, including posts, lumber, and crossties. Although fifth in production of poles and piling, Texas had the greatest number of treating plants.

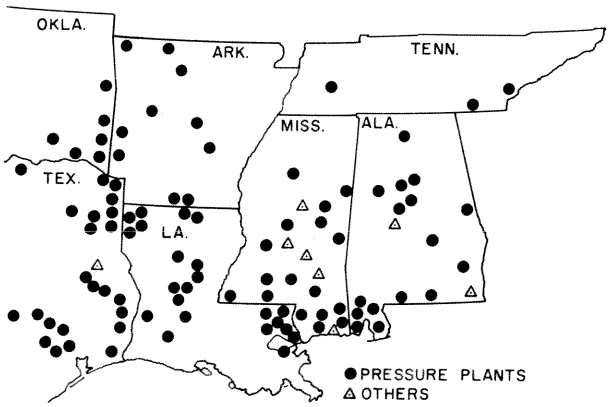

Figure 5.—*Location of wood-preserving plants that treat poles and piling.*

More than 9 out of 10 Midsouth plants use a pressure-treating process for poles and piling. Before treatment, over 85 percent of the plants steam the timbers in treating cylinders, then draw a vacuum on them to remove excess moisture. Almost half air-season the timbers before the steam and vacuum process.

Treating plants buy most of their poles and piling from independent logging contractors. In 1964, the average procurement distance was 75 miles. The maximum for 85 percent of the plants was 250 miles or less. Poles and piling are usually purchased by the piece and hauled to plants by truck. Poles usually have the bark on when delivered, but nearly half the piles are peeled in the woods.

Based on Louisiana prices,[2] the Midsouth's 1964 harvest of class 5, 35-foot utility poles alone was worth nearly $2 million. The value of utility poles of all classes and lengths was over $17 million. Construction poles delivered to treating plants were valued at nearly $1 million; piling at more than $3 million. Thus, the aggregate value of poles and piling harvested in the Midsouth and delivered to plants exceeded $21 million.

Stumpage prices for poles and piling have been and should continue to be favorable. A recent study in loblolly pine stands near Crossett, Arkansas, indicates that returns from stands managed for pulpwood and sawtimber alone were only 62 percent of returns from the same stands managed for pulpwood, sawtimber, and poles.[3] According to the 1962 "Timber Trends in the United States," pole and piling requirements for replacements and new construction are expected to increase over the next several decades.[4]

In 1964, some 4 million Midsouth softwood trees were cut for poles and piling. By contrast, an estimated 430 million softwoods in the region are suitable, and the number is increasing. For example, the most recent Forest Surveys in Alabama and Louisiana indicate softwood volume increases of 28 and 43 percent in 10 years. These increases are largely in trees of sizes commonly used for poles and piling. Thus, in the Midsouth, the possibility of a shortage of timber suitable for poles and piling is remote.

[2] Louisiana Department of Agriculture and Immigration. **Louisiana timber products.** Quart. Market Rep. 10(4): 1-4. 1965.

[3] Bassett, J. R. **Pole production in natural loblolly pine stands near Crossett, Arkansas.** U. S. Dep. Agr. Forest Serv. Res. Note SO-58, 5 pp. Southern Forest Exp. Sta., New Orleans, La. 1967.

[4] U. S. Dep. Agr. Forest Service. **Timber trends in the United States.** Forest Resource Rep. 17, 235 pp. Washington, D.C. 1965.

Table 1.—*Cubic feet of poles and piling produced in the Midsouth, 1964*

State	Total	Utility poles	Construction poles	Piling
		Cubic feet		
Alabama	12,573,053	11,409,923	461,033	702,097
Arkansas	10,035,398	7,505,219	971,966	1,558,213
Louisiana	10,882,094	6,615,888	116,078	4,150,128
Mississippi	12,021,814	9,170,814	505,068	2,345,932
Oklahoma	847,427	318,809	467,582	61,036
Tennessee	379,997	76,736	120,088	183,173
Texas	6,137,266	5,114,461	389,784	633,021
Total	52,877,049	40,211,850	3,031,599	9,633,600

Table 2.—*Poles and piling treated with wood preservatives in the Midsouth, 1964*

State	Total	Utility poles	Construction poles	Piling
		Cubic feet		
Alabama	6,589,881	5,941,347	369,780	278,754
Arkansas	3,853,865	2,744,375	587,758	521,732
Louisiana	12,334,860	8,317,078	114,256	3,903,526
Mississippi	9,865,875	7,302,372	450,769	2,112,734
Oklahoma	1,172,653	462,415	661,300	48,938
Tennessee	1,119,476	974,107	127,153	18,216
Texas	9,294,640	8,292,337	346,697	655,606
Total	44,231,250	34,034,031	2,657,713	7,539,506

Table 3.—*Poles produced in the Midsouth in 1964, by State and length*

Length (feet)	All States	Alabama	Arkansas	Louisiana	Mississippi	Oklahoma	Tennessee	Texas
				Pieces				
10-16	910,793	120,500	319,198	37,351	131,211	128,856	22,797	150,880
18	102,236	18,324	31,119	2,280	19,488	13,717	4,982	12,326
20	202,698	35,058	61,665	16,896	42,362	18,552	5,577	22,588
25	309,765	72,705	63,341	39,618	73,688	15,469	6,144	38,800
30	614,007	163,681	68,685	119,414	193,938	9,105	3,096	56,088
35	727,921	176,941	106,418	108,975	201,686	11,491	1,363	121,047
40	483,084	147,781	72,944	71,416	116,270	3,728	219	70,726
45	156,450	52,538	20,785	31,201	30,092	852	83	20,899
50	54,007	13,810	12,707	11,843	9,966	...	...	5,681
55	37,674	9,844	12,787	7,205	4,967	...	2	2,869
60	31,305	8,128	13,669	5,304	2,718	10	...	1,476
65	22,954	7,530	8,699	4,153	1,800	...	...	772
70	13,860	4,231	5,717	2,300	1,104	15	...	493
75	7,959	2,218	3,538	1,138	832	...	...	233
80	3,548	1,274	1,489	315	278	...	...	192
85	1,548	606	643	203	94	...	...	2
90	736	392	201	98	45	...	...	...
95	187	93	58	29	7	...	...	...
100	84	49	19	11	5	...	...	...
105	25	19	5	1	...	...	...	...
110	6	5	1	...	...	...	...	...
Total	3,680,847	835,727	803,688	459,751	830,551	201,795	44,263	505,072

Table 4.—*Piling produced in the Midsouth in 1964, by State and length*

Length (feet)	All States	Alabama	Arkansas	Louisiana	Mississippi	Oklahoma	Tennessee	Texas
	Linear feet							
10-16	231,156	5,023	66,827	57,299	51,132	33,224	...	17,651
18	47,255	3,564	17,442	6,758	6,009	4,788	...	8,694
20	440,984	27,102	81,163	112,179	163,043	11,452	...	46,045
25	845,555	30,422	121,563	312,854	316,577	22,150	...	41,989
30	2,108,971	43,470	161,496	435,276	1,342,330	24,030	2,910	99,459
35	1,214,389	54,650	120,436	304,548	633,742	12,005	2,170	86,838
40	1,379,669	62,543	244,788	731,555	172,539	13,164	5,040	150,040
45	1,865,263	35,325	763,483	549,756	176,454	3,600	240,390	96,255
50	1,351,961	127,292	265,396	721,216	139,757	..	1,600	96,700
55	1,099,778	195,078	137,549	609,634	114,287	...	1,870	41,360
60	732,528	146,906	66,166	354,336	116,100	...	...	49,020
65	514,943	43,095	19,968	398,385	32,890	...	...	20,605
70	216,110	28,144	11,986	155,750	8,540	...	560	11,130
75	84,900	42,000	300	39,525	3,075	...	...	...
80	35,209	23,926	960	9,603	720	...	...	...
85	7,186	6,845	...	341	...	...	...	...
90	2,970	990	1,080	810	90	...	...	...
95	...	...	...	...	...	...	...	...
100	200	200	...	...	...	...	...	...
Total	12,179,027	876,575	2,080,603	4,799,825	3,277,285	124,413	254,540	765,786

Table 5.—*Cubic feet of poles and piling produced in the Midsouth in 1964, by length*

Length (feet)	Total	Poles	Piling
	Cubic feet		
10-16	1,898,462	1,752,873	145,589
18	401,520	373,429	28,091
20	1,221,032	900,408	320,624
25	2,705,188	2,049,071	656,117
30	6,989,321	5,654,877	1,334,444
35	11,359,505	10,382,552	976,953
40	10,850,847	9,685,439	1,165,408
45	5,648,702	4,171,896	1,476,806
50	3,000,577	1,840,484	1,160,093
55	2,540,762	1,558,233	982,529
60	2,128,939	1,509,020	619,919
65	1,760,257	1,295,413	464,844
70	1,102,893	910,682	192,211
75	661,085	588,293	72,792
80	332,700	303,712	28,988
85	156,403	150,826	5,577
90	81,700	79,238	2,462
95	22,221	22,221	...
100	11,412	11,259	153
105	2,551	2,551	...
110	972	972	...
Total	52,877,049	43,243,449	9,633,600

Table 6.—*Distribution of utility poles produced in the Midsouth in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
	Percent [1]									
10-16	0.81	(2)	(2)	0.09	0.18	0.17	0.06	0.05	0.11	0.15
18	.48	(2)	(2)	.02	.01	.03	.04	.04	.10	.24
20	3.63	(2)	(2)	.04	.13	.21	.35	1.36	1.26	.28
25	10.54	0.01	0.06	.12	.31	1.13	2.05	4.04	2.33	.49
30	23.79	.03	.11	.38	1.03	4.01	6.06	5.02	7.15	(2)
35	28.57	.04	.18	.74	3.89	12.04	8.61	2.82	.25	...
40	19.10	.12	.48	1.81	6.89	7.90	1.70	.20	(2)	...
45	6.19	.10	.40	1.83	2.35	1.44	.07	(2)	...	...
50	2.14	.08	.30	.93	.66	.17	(2)	(2)	...	...
55	1.49	.09	.37	.58	.40	.05	...	...	...	...
60	1.24	.09	.31	.52	.30	.02	...	...	...	...
65	.91	.10	.27	.37	.16	.01	...	...	...	...
70	.55	.07	.24	.17	.07	(2)	...	(2)	...	...
75	.32	.06	.13	.10	.03	(2)	...	...	...	...
80	.14	.04	.06	.03	.01	...	...	...	...	...
85	.06	.03	.02	.01	(2)	...	...	...	...	...
90	.03	.01	.01	.01	(2)	...	...	...	...	...
95	.01	.01	(2)	(2)	...	...	...	...	...	...
100	(2)	(2)	(2)	(2)	...	...	...	...	...	...
105	(2)	(2)	(2)	...	...	...	...	...	...	...
110	(2)	(2)	(2)	...	...	...	...	...	...	...
Total by length	100.00	.88	2.94	7.75	16.42	27.18	18.94	13.53	11.20	1.16

[1] Based on number of pieces.
[2] Negligible.

Table 7.—*Distribution of construction poles produced in the Midsouth in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)								
		3	4	5	6	7	8	9	10	14
	Percent [1]									
10-14	62.78	6.81	32.53	20.04	2.97	0.34	0.06	0.02	0.01	...
16	14.34	.05	5.09	7.45	1.55	.10	.06	.02	.02	(2)
18	7.81	.04	1.98	4.38	1.26	.06	.04	.02	.03	...
20	9.61	.05	2.03	5.45	1.84	.09	.10	.03	.02	...
25	3.76	.08	.54	1.79	1.16	.07	.06	.04	.02	...
30	1.13	.02	.01	.40	.50	.16	.02	.01	.01	...
35	.53	.01	.01	.17	.23	.03	.06	.01	.01	...
40	.04	...	...	(2)	.01	.03	(2)	...	...	...
45	(2)	...	...	...	(2)	(2)	(2)	...	...	...
50	...	...	...	...	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...	...	...
60	(2)	...	...	(2)	...	...	...	...	...	...
65	...	...	...	...	...	...	...	...	...	...
70	(2)	...	(2)	...	...	...	...	...	...	...
Total	100.00	7.06	42.19	39.68	9.52	.88	.40	.15	.12	(2)

[1] Based on number of pieces.
[2] Negligible.

Table 8.—*Distribution of piling produced in the Midsouth in 1964, by State and length*

Length (feet)	Midsouth	Ala.	Ark.	La.	Miss.	Okla.	Tenn.	Texas
				Percent [1]				
10-16	1.90	0.04	0.55	0.48	0.42	0.27	...	0.14
18	.39	.03	.14	.06	.05	.04	...	.07
20	3.62	.22	.67	.92	1.34	.09	...	.38
25	6.94	.25	1.00	2.57	2.60	.18	...	.34
30	17.32	.36	1.33	3.57	11.02	.20	0.02	.82
35	9.97	.45	.99	2.50	5.20	.10	.02	.71
40	11.33	.51	2.01	6.01	1.42	.11	.04	1.23
45	15.32	.29	6.27	4.52	1.45	.03	1.97	.79
50	11.10	1.05	2.18	5.92	1.15	...	.01	.79
55	9.03	1.60	1.13	5.00	.94	...	.02	.34
60	6.01	1.21	.54	2.91	.95	...	...	.40
65	4.23	.35	.16	3.28	.27	...	...	.17
70	1.77	.23	.10	1.28	.07	...	(2)	.09
75	.70	.35	(2)	.32	.03	...	...	...
80	.29	.19	.01	.08	.01	...	...	...
85	.06	.06	...	(2)	...	...	...	...
90	.02	.01	(2)	.01	(2)	...	...	...
95	...	...	...	...	...	...	...	...
100	(2)	(2)	...	...	...	...	...	...
Total	100.00	7.20	17.08	39.43	26.92	1.02	2.08	6.27

[1] Based on linear feet.
[2] Negligible.

Table 9.—*Utility poles produced in Alabama in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
					Pieces					
10-16	7,841	...	...	1,288	2,714	883	479	3	880	1,594
18	2,029	...	...	...	120	110	242	8	188	1,361
20	13,746	5	...	40	212	379	1,744	3,362	6,060	1,944
25	67,990	134	199	302	1,049	4,820	7,265	32,620	18,541	3,060
30	161,614	211	684	2,160	6,376	29,453	37,147	51,016	34,567	...
35	176,600	423	1,977	5,863	23,340	76,868	47,087	21,022	20	...
40	147,745	1,414	5,819	13,084	54,331	56,758	14,258	2,081	...	...
45	52,535	1,438	4,873	15,237	18,450	11,744	783	10	...	...
50	13,810	1,266	2,670	5,507	3,856	511	...	...	...	...
55	9,844	1,274	2,259	3,989	2,189	133	...	...	...	...
60	8,128	1,018	2,377	2,712	1,962	59	...	...	...	...
65	7,530	1,428	2,080	2,594	1,382	46	...	...	...	...
70	4,231	1,030	1,938	808	437	18	...	...	...	...
75	2,218	799	794	512	103	10	...	...	...	...
80	1,274	484	473	184	133	...	...	...	...	...
85	606	249	200	114	43	...	...	...	...	...
90	392	185	129	45	33	...	...	...	...	...
95	93	51	24	18	...	...	...	...	...	...
100	49	31	18	...	...	...	...	...	...	...
105	19	12	7	...	...	...	...	...	...	...
110	5	5	...	...	...	...	...	...	...	...
Total	678,299	11,457	26,521	54,457	116,730	181,792	109,005	110,122	60,256	7,959

Table 10.—*Construction poles produced in Alabama in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)								
		3	4	5	6	7	8	9	10	14
		Pieces								
10-16	112,659	3,233	39,182	63,492	6,255	142	273	51	25	6
18	16,295	...	2,573	10,748	2,875	40	59	...	...	...
20	21,312	...	1,900	15,876	3,222	179	106	29	...	...
25	4,715	...	192	3,046	1,330	95	19	33	...	...
30	2,067	159	...	681	1,190	...	36	...	1	...
35	341	...	...	88	243	10	...	...	...	...
40	36	...	...	14	22	...	...	...	...	...
45	3	...	...	...	1	2	...	...	...	...
Total	157,428	3,392	43,847	93,945	15,138	468	493	113	26	6

Table 11.—*Utility poles produced in Arkansas in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
		Pieces								
10-16	4,751	...	...	713	985	552	321	641	708	831
18	4,299	...	...	329	1	462	20	176	704	2,607
20	27,947	...	...	299	895	2,602	1,793	12,723	7,749	1,886
25	50,132	2	95	49	274	3,246	10,053	20,595	11,289	4,529
30	64,100	103	105	258	1,952	13,612	26,707	13,930	7,433	...
35	104,775	7	393	1,014	14,708	41,487	39,342	7,729	95	...
40	72,649	188	799	5,451	27,688	33,601	4,734	181	7	...
45	20,785	296	920	6,433	8,664	4,363	91	18	...	...
50	12,707	99	1,649	6,071	3,361	1,521	6	...	...	...
55	12,787	247	4,163	4,691	3,088	598	...	...	...	...
60	13,669	430	3,355	6,741	2,936	207	...	...	...	...
65	8,699	333	2,819	4,269	1,264	14	...	...	...	...
70	5,717	268	2,551	2,203	695	...	...	...	...	...
75	3,538	278	1,382	1,297	474	107	...	...	...	...
80	1,489	215	739	451	84	...	...	...	...	...
85	643	255	221	160	7	...	...	...	...	...
90	201	83	71	47	...	...	...	...	...	...
95	58	24	18	16	...	...	...	...	...	...
100	19	13	3	3	...	...	...	...	...	...
105	5	4	1	...	...	...	...	...	...	...
110	1	1	...	...	...	...	...	...	...	...
Total	408,971	2,846	19,284	40,495	67,076	102,372	83,067	55,993	27,985	9,853

Table 12.—*Construction poles produced in Arkansas in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)							
		3	4	5	6	7	8	9	10
		Pieces							
10-16	314,447	33,623	174,448	91,424	12,769	1,694	89	200	200
18	26,820	467	7,648	13,905	3,922	277	1	200	400
20	33,718	602	8,119	17,882	6,319	392	...	200	204
25	13,209	876	2,214	5,400	3,833	384	40	262	200
30	4,585	100	102	1,241	1,252	1,690	...	100	100
35	1,643	100	100	142	208	286	607	100	100
40	295	...	...	...	4	291	...	...	...
Total	394,717	35,768	192,631	129,994	28,307	5,014	737	1,062	1,204

Table 13.—*Utility poles produced in Louisiana in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
		Pieces								
10-16	2,415	7	...	12	861	1,091	38	132	140	134
18	379	1	...	...	...	...	9	6	333	30
20	13,265	7	...	51	60	409	385	6,423	5,388	542
25	36,861	20	277	1,532	986	7,831	11,948	8,296	5,208	763
30	119,097	28	975	2,044	4,246	18,022	23,570	11,089	59,123	...
35	108,863	107	534	1,580	14,490	48,051	36,893	7,201	7	...
40	71,409	378	1,548	7,481	22,902	31,387	7,388	325	...	...
45	31,201	277	1,385	10,550	9,806	8,994	177	12	...	...
50	11,843	113	1,017	6,311	3,366	1,023	1	12	...	...
55	7,205	102	1,005	3,218	2,477	403	...	...	...	...
60	5,304	270	981	2,069	1,833	151	...	...	...	...
65	4,153	269	1,140	1,627	1,061	56	...	...	...	...
70	2,300	132	880	756	526	2	...	4	...	...
75	1,138	182	530	364	62	...	...	...	...	...
80	315	75	168	68	4	...	...	...	...	...
85	203	77	83	43	...	...	...	...	...	...
90	98	30	52	16	...	...	...	...	...	...
95	29	11	14	4	...	...	...	...	...	...
100	11	6	2	3	...	...	...	...	...	...
105	1	...	1	...	...	...	...	...	...	...
Total	416,090	2,092	10,592	37,729	62,680	117,420	80,409	33,500	70,199	1,469

Table 14.—*Construction poles produced in Louisiana in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)							
		3	4	5	6	7	8	9	10
		Pieces							
10-16	34,936	4,575	15,576	12,356	1,836	365	226	...	2
18	1,901	1	392	1,206	295	4	3	...	...
20	3,631	3	356	2,023	824	119	306	...	...
25	2,757	...	52	1,231	965	113	396	...	...
30	317	...	...	32	191	54	40	...	...
35	112	...	...	52	19	16	25	...	...
40	7	...	...	...	...	7	...	...	...
Total	43,661	4,579	16,376	16,900	4,130	678	996	...	2

Table 15.—*Utility poles produced in Mississippi in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
					Pieces					
10-16	3,409	...	...	1	50	599	563	387	675	1,134
18	4,069	...	...	...	50	174	759	617	920	1,549
20	22,359	1	3	543	1,683	954	3,173	7,149	8,343	510
25	65,509	57	663	819	4,550	6,499	8,550	26,721	16,947	703
30	191,744	363	610	4,117	8,069	25,495	37,758	39,445	75,855	32
35	200,893	216	1,211	7,437	27,211	83,663	47,420	27,416	6,319	...
40	116,163	550	1,514	12,258	41,338	47,335	10,694	2,474	...	...
45	30,084	161	1,178	8,574	13,856	5,994	291	30	...	...
50	9,966	349	1,107	3,919	4,176	414	1	...	...	...
55	4,967	381	1,161	1,756	1,653	16	...	...	...	...
60	2,718	356	812	1,049	457	44	...	...	...	...
65	1,800	369	564	643	199	25	...	...	...	...
70	1,104	281	476	310	37	...	...	...	...	...
75	832	201	374	215	42	...	...	...	...	...
80	278	173	58	47	...	...	...	...	...	...
85	94	50	26	18	...	...	...	...	...	...
90	45	19	20	6	...	...	...	...	...	...
95	7	4	2	1	...	...	...	...	...	...
100	5	3	1	1	...	...	...	...	...	...
Total	656,046	3,534	9,780	41,714	103,371	171,212	109,209	104,239	109,059	3,928

Table 16.—*Construction poles produced in Mississippi in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)							
		3	4	5	6	7	8	9	10
					Pieces				
10-16	127,802	7,457	52,803	59,694	7,353	51	213	156	75
18	15,419	...	2,070	10,254	2,878	5	212	...	...
20	20,003	...	1,384	12,420	5,820	154	139	86	...
25	8,179	...	60	4,893	2,893	209	22	100	2
30	2,194	8	27	833	1,236	60	27	...	3
35	793	...	15	166	560	52	...	...	...
40	107	...	...	43	64	...	...	...	...
45	8	...	...	...	4	4	...	...	...
Total	174,505	7,465	56,359	88,303	20,808	535	613	342	80

Table 17.—*Utility poles produced in Oklahoma in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
					Pieces					
10-16	794	...	...	178	...	137	70	42	168	199
18	813	...	...	82	...	13	...	20	112	586
20	2,308	...	...	70	8	4	16	878	1,140	192
25	6,416	...	2	10	9	252	1,678	2,576	1,155	734
30	5,529	22	6	25	127	886	3,103	968	392	...
35	8,340	...	14	48	612	3,285	3,487	887	7	...
40	3,719	19	37	153	1,294	1,833	376	6	1	...
45	851	18	19	191	402	213	4	4	...	...
Total	28,770	59	78	757	2,452	6,623	8,734	5,381	2,975	1,711

Table 18.—*Construction poles produced in Oklahoma in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)						
		3	4	5	6	7	8	9
				Pieces				
10-16	128,062	9,037	75,691	38,775	4,529	10	20	...
18	12,904	...	5,063	6,279	1,552	10	...	...
20	16,244	...	6,953	8,136	1,155	...	...	...
25	9,053	...	2,846	3,761	2,408	13	10	15
30	3,576	...	...	1,818	1,745	13	...	...
35	3,151	...	1	1,564	1,586	...	...	...
40	9	...	...	...	...	1	8	...
45	1	...	...	...	...	...	1	...
50	...	...	...	...	...	...	...	...
55	...	...	...	...	...	...	...	...
60	10	...	...	10	...	...	...	...
65	...	...	...	...	...	...	...	...
70	15	...	15	...	...	...	...	...
Total	173,025	9,037	90,569	60,343	12,975	47	39	15

Table 19.—*Utility poles produced in Tennessee in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
					Pieces					
10-16	79	...	...	...	1	1	1	...	49	27
18	75	...	...	...	1	9	1	...	26	38
20	572	1	...	4	4	11	75	167	230	80
25	3,550	2	3	4	71	242	667	977	1,074	510
30	3,075	...	5	38	112	285	647	1,225	763	...
35	1,363	...	13	20	48	171	1,048	63	...	...
40	219	...	20	37	101	56	5	...	...	...
45	83	...	9	35	34	5	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...
55	2	2	...	...	...	...	...	...	...	...
Total	9,018	5	50	138	372	780	2,444	2,432	2,142	655

Table 20.—*Construction poles produced in Tennessee in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)				
		4	5	6	7	8
			Pieces			
10-16	22,718	7,831	11,418	3,267	193	9
18	4,907	1,396	2,406	1,063	42	...
20	5,005	1,302	2,330	1,278	90	5
25	2,594	118	1,476	987	...	13
30	21	...	20	1	...	...
Total	35,245	10,647	17,650	6,596	325	27

Table 21.—*Utility poles produced in Texas in 1964, by class and length*

Length (feet)	All classes	Pole class								
		1	2	3	4	5	6	7	9	10
					Pieces					
10-16	1,359	...	...	...	...	861	31	139	273	55
18	426	...	...	...	...	21	44	107	123	131
20	11,545	...	...	53	451	902	1,708	3,514	2,928	1,989
25	35,848	1	284	387	932	5,729	11,520	10,365	4,638	1,992
30	55,822	21	461	1,041	5,117	13,654	24,053	9,195	2,255	25
35	121,024	150	419	2,671	17,879	50,698	42,205	7,002	...	...
40	70,719	518	2,268	7,334	26,442	28,619	5,516	22	...	...
45	20,899	390	1,793	5,184	8,086	5,054	392	...	...	...
50	5,681	150	1,114	1,799	1,859	759	...	...	...	...
55	2,869	146	805	1,097	766	55	...	...	...	...
60	1,476	126	376	588	356	30	...	...	...	...
65	772	99	224	264	179	6	...	...	...	...
70	493	97	151	124	121	...	...	...	...	...
75	233	47	68	70	48	...	...	...	...	...
80	192	44	55	49	44	...	...	...	...	...
85	2	...	1	1	...	...	...	...	...	...
Total	329,360	1,789	8,019	20,662	62,280	106,388	85,469	30,344	10,217	4,192

Table 22.—*Construction poles produced in Texas in 1964, by length and small-end diameter*

Length (feet)	All diameters	Small-end diameter (inches)							
		3	4	5	6	7	8	9	10
					Pieces				
10-16	149,521	21,285	68,697	40,311	16,107	2,573	542	4	2
18	11,900	1	3,722	5,703	1,949	325	200	...	...
20	11,043	...	3,494	4,261	2,570	158	560	...	...
25	2,952	...	704	948	1,058	42	200	...	...
30	266	...	1	37	99	41	88	...	...
35	23	...	...	...	5	3	15	...	...
40	7	...	...	...	...	7	...	...	...
Total	175,712	21,286	76,618	51,260	21,788	3,149	1,605	4	2

Table 23.—*Utility pole movement for treatment in 1964, by State*

State	Logged and treated in State	Outgoing shipments	Incoming receipts	Total receipts
			Pieces	
Alabama	354,992	323,307	29,676	384,668
Arkansas	163,748	245,223	32,681	196,429
Louisiana	289,047	127,043	202,080	491,127
Mississippi	415,587	240,459	65,325	480,912
Oklahoma	...	28,770	32,436	32,436
Tennessee	7,896	1,122	54,352	62,248
Texas	314,491	14,869	188,632	503,123
Total	1,545,761	980,793	605,182	2,150,943

Table 24.—*Construction pole movement for treatment in 1964, by State*

State	Logged and treated in State	Outgoing shipments	Incoming receipts	Total receipts
		Pieces		
Alabama	116,516	40,912	22,857	139,373
Arkansas	227,734	166,983	38,012	265,746
Louisiana	42,970	691	898	43,868
Mississippi	138,122	36,383	13,435	151,557
Oklahoma	122,050	50,975	134,239	256,289
Tennessee	35,245	...	2,270	37,515
Texas	147,572	28,140	11,728	159,300
Total	830,209	324,084	223,439	1,053,648

Table 25.—*Piling movement in 1964, by State*

State	Logged and remained in State	Outgoing shipments	Incoming receipts	Total receipts
		Linear feet		
For treatment:				
Alabama	308,518	568,057	57,612	366,130
Arkansas	721,870	260,408	90,055	811,925
Louisiana	3,946,348	447,791	670,239	4,616,587
Mississippi	2,261,913	972,562	562,115	2,824,028
Oklahoma	34,358	90,055	45,995	80,353
Tennessee	570	...	33,379	33,949
Texas	724,273	36,513	71,608	795,881
Total	7,997,850	2,375,386	1,531,003	9,528,853
For use untreated:				
Alabama	...	...	...	...
Arkansas	...	1,098,325	...	...
Louisiana	...	405,686	...	...
Mississippi	35,680	7,130	...	35,680
Oklahoma	...	...	...	...
Tennessee	19,070	234,900	714,115	733,185
Texas	5,000	...	152,206	157,206
Total	59,750	1,746,041	866,321	926,071

Table 26.—*Plants that treat wooden poles and piling in Alabama*

County	Firm	Address	Type [1]
Baldwin	Alabama Wood Preserving Co.	Robertsdale	P
	Baldwin Pole and Piling Co.	Box 768, Bay Minette	P
Barbour	Loftin's Post Co.	Clio	P
Bibb	W. E. Belcher Lumber Co.	Centreville	P
Chambers	Alabama-Georgia Wood Preserving Co.	Lafayette	P
Covington	Lockhart Lumber Co., Inc.	Lockhart	P
Escambia	T. R. Miller Mill Co.	Brewton	P
Houston	Dothan Creosoting Co.	Dothan	N
Jefferson	Birmingham Wood Preserving Co.	Box 7040, Birmingham	P
	Tennessee Coal and Iron Division of U. S. Steel Corp.	Box 599, Fairfield	P
Mobile	Gulfport Creosoting Co.	Box 449, Mobile	P
	Republic Creosoting Co.	Box 310, Mobile	P
	Horace S. Turner, Jr., Inc.	Mobile	P
Montgomery	Koppers Co., Inc.	1551 Louisville St., Montgomery	P
Morgan	Gobble-Fite Lumber Co.	300 Market St., N. W., Decatur	P
Perry	Cahaba Wood Preserving Co.	Suttle	N
Shelby	Seaman Timber Co.	Box 372, Montevallo	P
Tuscaloosa	Brown Wood Preserving Co.	Brownville	P

[1] "P" indicates pressure treating.
"N" indicates nonpressure treating.

Table 27.—*Plants that treat wooden poles and piling in Arkansas*

County	Firm	Address	Type [1]
Benton	Timber Treated Products, Inc.	Box 147, Rogers	P
Boone	Arkwood Treating Co.	Box 145, Omaha	P
Jefferson	Dixie Wood Preserving Co. of Arkansas, Inc.	Box 653, Pine Bluff	P
Polk	Three States Lumber Co.	Box 70, Mena	P
Pulaski	Koppers Co., Inc.	Box 3185, N. Little Rock	P
Searcy	Searcy County Creosote Co.	St. Joe	P
Sevier	Dierks Forests, Inc.	Box 387, DeQueen	P
Union	El Dorado Pole and Piling Co., Inc.	Box 7, El Dorado	P
	Southern Wood Treating, Inc.	Box 407, El Dorado	P
Yell	Morris Mill Co.	Ola	P

[1] "P" indicates pressure treating.

Table 28.—*Plants that treat wooden poles and piling in Louisiana*

Parish	Firm	Address	Type [1]
Beauregard	International Paper Co., Wood Preserving Division	Box 231, De Ridder	P
Bossier	Benton Creosoting Co.	Box 87, Benton	P
	Joslyn Manufacturing and Supply Co.	Box 21, Shreveport	P
Caddo	Olin Mathieson Chemical Corp.	Box 1125, Shreveport	P
	Standard Wood Preservers of Shreveport, Inc.	Drawer S, Shreveport	P
Evangeline	Reddell Creosote Co., Inc.	Reddell	P
Jefferson Davis	EvR-Wood Treating Co., Inc.	Box 726, Jennings	P
La Salle	La Salle Creosoting Co., Inc.	Jena	P
	The Urania Lumber Co., Ltd.	Urania	P
Orleans	Joslyn Manufacturing and Supply Co.	6141 Jefferson Hwy., New Orleans	P
Rapides	Colfax Creosoting Co.	Pineville	P
	Glenmora Creosote Co.	Box 338, Glenmora	P
	Koppers Co., Inc.	Box 1926, Alexandria	P
St. Tammany	American Creosote Works, Inc.	Slidell	P
	Madisonville Creosote Works	Box 125, Madisonville	P
	Pearl River Wood Preserving Corp.	Box 468, Pearl River	P
Tangipahoa	Oliver Treated Products Co., Inc.	Box 640, Hammond	P
	R and K Creosoting Co., Inc.	Natalbany	P
Union	Marion Pressure Treating Co.	Marion	P
	Union Creosoting Co.	Box 519, Farmerville	P
Washington	Angie Wood Preserving Co., Inc.	Box 583, Angie	P
Winn	American Creosote Works, Inc.	Box 110, Winnfield	P

[1] "P" indicates pressure treating.

Table 29.—*Plants that treat wooden poles and piling in Mississippi*

County	Firm	Address	Type [1]
Attala	Attala Wood Preservers	McCool	N
Forrest	C & S Wood Treating Corp.	Box 267, Petal	P
George	Buchanan Mfg. Co., Inc.	Lucedale	P
Grenada	Koppers Co., Inc.	Box 983, Grenada	P
Harrison	Gulfport Creosoting Co.	Box 995, Gulfport	P
Hinds	Hinds Wood Preserving Co.	Box 41, Learned	P
Jackson	Delta Creosoting Co.	Gautier	P
	Hurley Creosoting Co.	Hurley	N
Jefferson Davis	Prentiss Creosote Material	Prentiss	P
Jones	Laurel Lumber Treating Co.	Laurel	N
Lauderdale	Moss-American Creosoting Corp.	Box 789, Meridian	P
Lincoln	Mississippi Wood Preserving Co.	Box 766, Brookhaven	P
Lowndes	Moss-American Creosoting Corp.	Box 906, Columbus	P
Madison	Canton Treating Co.	Box 411, Canton	P
Neshoba	Weyerhaeuser Co., DeWeese Operations	Philadelphia	P
Pearl River	Crosby Wood Preserving Co.	Picayune	P
Pike	Fernwood Industries	Drawer D, Fernwood	P
Rankin	R. D. Morrow and Sons	Box 168, Brandon	N
Smith	Henderson and Gatewood Post Plant	Lorena	N
Stone	Southern Pine Post Co.	Wiggins	P
Wilkinson	Crosby Lumber and Manufacturing Co.	Crosby	P
Winston	American Creosote Works, Inc.	Box 311, Louisville	P

[1] "P" indicates pressure treating.
"N" indicates nonpressure treating.

Table 30.—*Plants that treat wooden poles and piling in Oklahoma*

County	Firm	Address	Type [1]
Atoka	Fugate Lumber Co.	Stringtown	P
Choctaw	R. M. Fry Creosoting Co.	Box 472, Hugo	P
Le Flore	Midwest Creosoted Products Co.	Box 575, Panama	P
McCurtain	Huffman and Kendrick Wood Preserving Co.	Drawer A, Broken Bow	P
	Mixon Brothers Wood Preserving Co.	Idabel	P
Sequoyah	Southwestern Wood Preserving Co.	Box 827, Muskogee	P

[1] "P" indicates pressure treating.

Table 31.—*Plants that treat wooden poles and piling in Tennessee*

County	Firm	Address	Type [1]
Hamilton	Southern Wood Preserving Co.	Chattanooga	P
Madison	American Creosote Works	Jackson	P
Monroe	The Langdale Co.	Box 108, Sweetwater	P

[1] "P" indicates pressure treating.

Table 32.—*Plants that treat wooden poles and piling in Texas*

County	Firm	Address	Type [1]
Angelina	Higgins Creosoting, Inc.	Box 1388, Lufkin	P
	Lufkin Creosoting Co.	Box 1207, Lufkin	P
	Temple Industries	Diboll	P
Bowie	International Creosoting & Construction Co.	Box 688, Galveston	P
	Texarkana Wood Preserving Co.	Box 156, Texarkana	P
Burleson	Santa Fe Tie and Timber Preserving Co.	Box 488, Somerville	P
Cass	Cass County Treating Co.	Drawer C, Linden	P
Grayson	Texas Tie & Timber Co.	Box 703, Denison	P
Gregg	Garland Creosoting Co.	Box 589, Longview	P
	Longview Creosoting Co.	Box 2202, Longview	P
Grimes	International Paper Co., Wood Preserving Division	Box 788, Navasota	P
Harris	Houston Chemical Service	Rt. 3, Box 451, Houston	P
	Koppers Co., Inc.	Box 16188, Houston	P
	Southern Pacific Railroad	Box 1319, Houston	P
Harrison	Marshall Wood Preserving Co.	Box 846, Marshall	P
Jasper	Hart Creosoting Co.	Box 300, Jasper	P
	Jasper Creosoting Co.	Box 6021, Jasper	P
	Texas Electric Cooperatives, Inc.	Box 510, Jasper	P
Jefferson	International Creosoting & Construction Co.	Box 688, Galveston	P
Marion	Texas Wood Preserving Co.	Box 550, Jefferson	P
Montgomery	Conroe Creosoting Co.	Box 109, Conroe	P
	Grogan Brothers Lumber Co.	Conroe	P
Nacogdoches	East Texas Wood Treating Co.	Box 972, Nacogdoches	N
Wood	Texas Creosoting Pole and Post Co.	Star Route, Mineola	P

[1] "P" indicates pressure treating.
"N" indicates nonpressure treating.