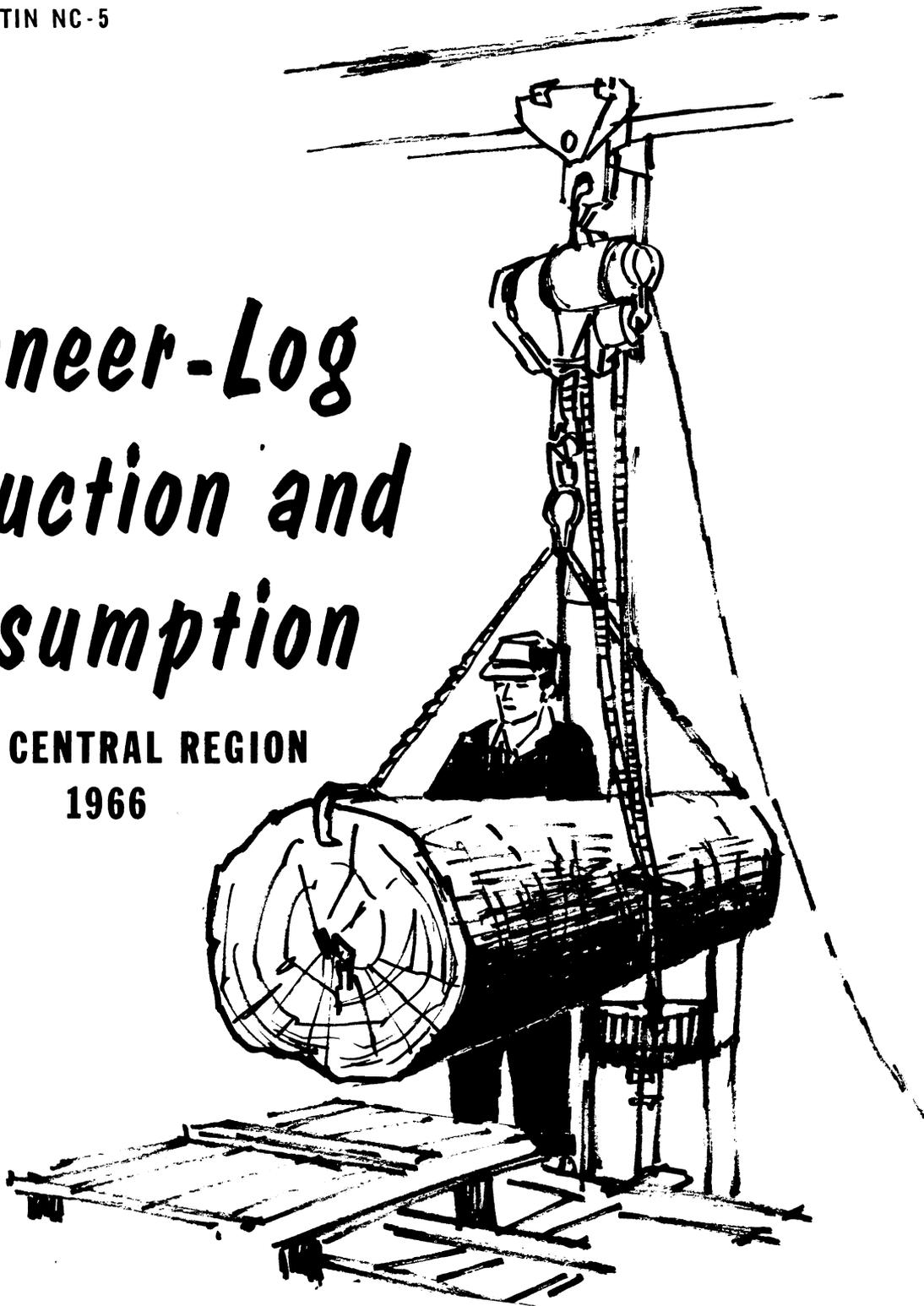


U. S. D. A. FOREST SERVICE
RESOURCE BULLETIN NC-5
1968

Veneer-Log Production and Consumption

**NORTH CENTRAL REGION
1966**



NORTH CENTRAL FOREST EXPERIMENT STATION

**U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE**

Veneer-Log Production and Consumption North Central Region, 1966

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**NORTH CENTRAL FOREST EXPERIMENT STATION
U.S. DEPARTMENT OF AGRICULTURE — FOREST SERVICE
FOLWELL AVENUE
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Sheets of rotary-cut veneer coming off lathe.

F-500478

Veneer-Log Production and Consumption North Central Region, 1966

JAMES E. BLYTH

All veneer mills using North Central Region (Lake States and Central States) timber in 1966 furnished figures showing their veneer-log receipts by species and state of origin. Their cooperation is gratefully acknowledged.

The Lake States (Minnesota, Wisconsin, and Michigan) and Central States (Indiana, Illinois, Iowa, and Missouri) are treated separately in this report because the timber types in each area are different. Moreover, less information can be released about the Central States, because more detailed data on veneer-log production and consumption would reveal the operations of individual mills. This paper does not include data on exports except to Canada.

Seventy-nine veneer mills were operating during 1966 in the North Central Region (fig. 1): Thirty-five were container veneer mills and the others manufactured face, core, cross-band, or specialty veneers. Veneer mills are especially abundant in northeastern Wisconsin and southern Indiana. These areas contain several large mills producing high-quality face and specialty veneers. As a result, both of these States are large importers of high-quality veneer logs.

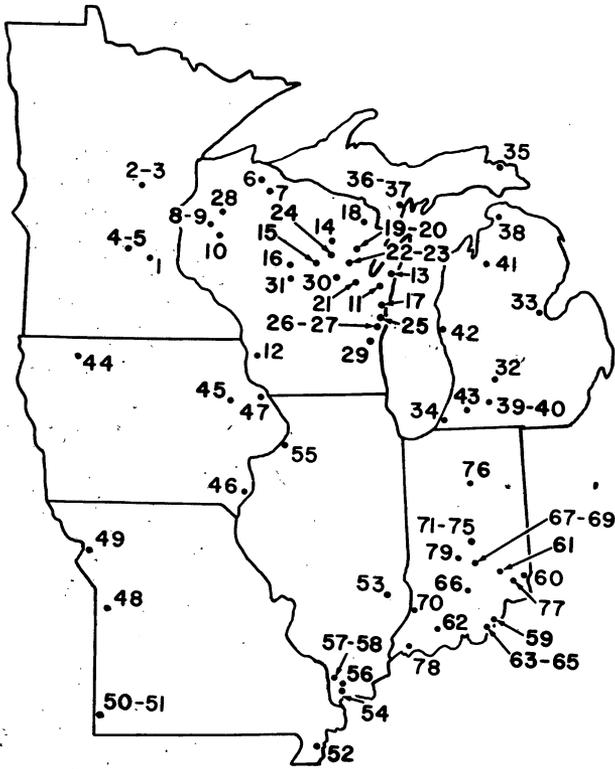
LAKE STATES

Production

Lake States loggers harvested 50.9 million board feet of veneer logs in 1966 (table 1), nearly one million board feet less than the previous year (after deducting 1966 overseas exports). Harvesting was up 1.6 million board feet from 1965 in Michigan but was more than offset by a lower cut in Minnesota and Wisconsin. Most of the logs, 45 million board feet, went to mills cutting commercial, utility, and face veneers for doors, furniture, wall panels, specialty plywoods, and similar items. The remainder was used in manufacturing veneer for boxes, baskets, and other containers. An additional 2,500 cords of small logs were cut for heading stock for container mills.

Hard maple increased its lead as the dominant species cut in the Lake States. Slightly more than 13 million board feet were cut in 1966 — an increase of 1.3 million over the previous year. Hard maple shipments from the Lake States, primarily to Indiana veneer mills, were up 46 percent from 1965.

FIGURE 1. — Location of active veneer mills in the the North Central States, 1966



NUMBER MILL AND LOCATION

Minnesota

- 1 Bren Berry Box Mfg. Co., Hopkins
- 2 Mille Lacs Corp., Isle
- 3 Wahkon Veneer Mills, Wahkon
- 4 Buffalo Veneer & Plywood Co., Buffalo
- 5 Elk River Box Co., Elk River

Wisconsin

- 6 Calumet & Hecla Inc., Mellen
- 7 Northern Hardwood Veneer Inc., Butternut
- 8 Birchwood Mfg. Co., Rice Lake
- 9 Brunette Box & Veneer Co., Rice Lake
- 10 Ebner Box Factory, Cameron
- 11 Dufeck Mfg. Co., Denmark
- 12 Wauzeka Box Co., Wauzeka
- 13 U.S. Plywood Corp., Algoma
- 14 General Plywood Corp., Antigo
- 15 Hatley Veneer Co., Inc., Hatley
- 16 Standard Container Co., Edgar
- 17 Eggers Plywood Co., Two Rivers
- 18 Calumet & Hecla Inc., Goodman
- 19 Gillette Veneer & Plywood Co., Gillett
- 20 Linwood Inc., Gillett
- 21 Seymour Woodenware Co., Seymour
- 22 H. Iwen Box & Veneer Co., Shawano
- 23 Weber Veneer & Plywood Co., Shawano
- 24 Wisconsin Timber & Land Co., Mattoon
- 25 Konz Container Co., Howard Grove
- 26 Larson Plywood Co. Inc., Sheboygan

NUMBER

MILL AND LOCATION

- 27 Millersville Box Co., Sheboygan
- 28 Birchwood Lumber & Veneer Co., Birchwood
- 29 Cooley Mfg. Co., West Bend
- 30 Marion Plywood Corp., Marion
- 31 Weyerhaeuser Co., Marshfield

Michigan

- 32 Plycoma Veneer Co., Nashville
- 33 Dyjack Wood Products, Kawkawlin
- 34 Anderson Container Corp., Stevensville
- 35 Soo Veneer Co., Sault Ste. Marie
- 36 Anthony & Co., Escanaba
- 37 Birdseye Veneer & Plywood Co., Escanaba
- 38 Manthei Bros., Petoskey
- 39 A. C. Hensel Mfg. Co., Augusta
- 40 Augusta Basket Co., Augusta
- 41 American Made Veneer, Kalkaska
- 42 Walkinshaw Package Co., Shelby
- 43 Fruit Growers Package Co., Paw Paw

Iowa

- 44 Spencer Hardwood Lumber Co., Spencer
- 45 Manchester Industries Inc., Manchester
- 46 Burlington Basket Co., Burlington
- 47 R. S. Bacon Veneer Co., Dubuque

Missouri

- 48 Enterprise Veneer Corp., Pleasant Hill
- 49 Missouri Valley Walnut Co., St. Joseph
- 50 Crumbliss Wood Products, Neosho
- 51 Neosho Box & Wood Products, Neosho
- 52 Betz Tipton Veneer Co., Caruthersville

Illinois

- 53 Newton Box & Basket Co., Newton
- 54 Main Brothers Box & Lbr. Co., Karnak
- 55 Swords Veneer & Lumber Co., Rock Island
- 56 Dongola Veneer Co. Inc., Dongola
- 57 Lawrence Box & Basket Co., Cobden
- 58 Cobden Box & Basket Co., Cobden

Indiana

- 59 Roberts & Strack Veneer Co., Clarksville
- 60 Pierson-Holowell Co. Inc., Lawrenceburg
- 61 Mitchell Industries, Greensburg
- 62 Jasper Veneer Mills, Jasper
- 63 B. L. Curry & Sons, New Albany
- 64 Chester B. Stem Inc., New Albany
- 65 New Albany Box & Basket Co., New Albany
- 66 National Veneer & Lumber Co., Seymour
- 67 Amos-Thompson Corp., Edinburg
- 68 David R. Webb Co., Edinburg
- 69 Hill Brothers Veneer Co Inc., Edinburg
- 70 Farrel Box Co. Inc., Decker
- 71 Central Veneer Inc., Indianapolis
- 72 Curry Miller Veneers Inc., Indianapolis
- 73 Hoosier Veneer Co. Inc., Indianapolis
- 74 Indiana Veneers Inc., Indianapolis
- 75 Theising Veneer Co., Indianapolis
- 76 W. C. Redmon Sons Inc., Peru
- 77 Thompson Veneer Co., Milan
- 78 Evansville Veneer Co., Evansville
- 79 Theising Veneer Co. Inc., Mooresville

Table 1. — Production and imports of veneer logs, Lake States, 1966
(Thousand board feet, International ¼-inch rule)

Species and destination	Production ^{1/}				Imports			Lake State consumption ^{3/}
	Minnesota	Wisconsin	Michigan	Region total	Other States	Canada	Total imports	
Aspen								
Minn.	3	-	-	3	-	-	-	3
Wis.	8	358	118	484	-	-	-	484
Mich.	-	-	214	214	-	-	-	214
Total	11	358	332	701	-	-	-	701
Ash								
Minn.	13	-	-	13	-	-	-	13
Wis.	108	594	45	747	75	-	75	822
Mich.	-	-	259	259	55	-	55	314
Outside L.S. ^{2/}	-	-	32	32	-	-	-	-
Total	121	594	336	1,051	130	-	130	1,149
Basswood								
Minn.	135	-	-	135	-	-	-	135
Wis.	1,306	2,010	214	3,530	245	-	245	3,775
Mich.	-	62	775	837	-	35	35	872
Outside L.S.	-	-	23	23	-	-	-	-
Total	1,441	2,072	1,012	4,525	245	35	280	4,782
Beech								
Wis.	-	65	84	149	-	-	-	149
Mich.	-	-	333	333	-	-	-	333
Total	-	65	417	482	-	-	-	482
Birch								
Minn.	143	-	-	143	-	-	-	143
Wis.	788	2,009	3,217	6,014	-	4,151	4,151	10,165
Mich.	138	91	3,034	3,263	-	1,107	1,107	4,370
Outside L.S.	-	-	83	83	-	-	-	-
Total	1,069	2,100	6,334	9,503	-	5,258	5,258	14,678
Cottonwood								
Minn.	82	-	-	82	-	-	-	82
Wis.	800	122	-	922	860	-	860	1,782
Mich.	-	-	443	443	-	-	-	443
Total	882	122	443	1,447	860	-	860	2,307
Elm								
Minn.	55	-	-	55	-	-	-	55
Wis.	1,267	2,920	-	4,187	256	-	256	4,443
Mich.	-	72	1,191	1,263	-	-	-	1,263
Outside L.S.	-	98	49	147	-	-	-	-
Total	1,322	3,090	1,240	5,652	256	-	256	5,761
Hard maple								
Wis.	328	3,783	3,323	7,434	178	1,357	1,535	8,969
Mich.	-	124	3,683	3,807	11	57	68	3,875
Outside L.S.	-	44	1,803	1,847	-	-	-	-
Total	328	3,951	8,809	13,088	189	1,414	1,603	12,844
Soft maple								
Minn.	80	-	-	80	-	-	-	80
Wis.	125	1,094	101	1,320	298	-	298	1,618
Mich.	-	-	69	69	-	-	-	69
Outside L.S.	-	35	-	35	-	-	-	-
Total	205	1,129	170	1,504	298	-	298	1,767
Red oak								
Wis.	453	7,066	1,051	8,570	646	82	728	9,298
Mich.	-	167	264	431	6	-	6	437
Outside L.S.	-	1	158	159	-	-	-	-
Total	453	7,234	1,473	9,160	652	82	734	9,735
White oak								
Wis.	9	169	6	184	4	-	4	188
Mich.	-	22	-	22	-	-	-	22
Outside L.S.	-	-	75	75	-	-	-	-
Total	9	191	81	281	4	-	4	210
Walnut								
Wis.	-	33	-	33	-	-	-	33
Mich.	-	-	4	4	6	-	6	10
Outside L.S.	123	732	596	1,451	-	-	-	-
Total	123	765	600	1,488	6	-	6	43
Misc. species								
Wis.	15	235	106	356	80	-	80	436
Mich.	-	47	385	432	128	-	128	560
Outside L.S.	99	914	204	1,217	-	-	-	-
Total	114	1,196	695	2,005	208	-	208	996
All species								
Minn.	511	-	-	511	-	-	-	511
Wis.	5,207	20,458	8,265	33,930	2,642	5,590	8,232	42,162
Mich.	138	585	10,654	11,377	206	1,199	1,405	12,782
Outside L.S.	222	1,824	3,023	5,069	-	-	-	-
Total	6,078	22,867	21,942	50,887	2,848	6,789	9,637	55,455

^{1/} Vertical columns of figures under box heading "Production" represents the quantity of Veneer logs cut in each State.

^{2/} Veneer logs shipped to mills outside the Lake States.

^{3/} Production minus exports plus imports.

Oak nearly bypassed birch as runner-up in production. The oak harvest rose 400 thousand board feet from 1965, while birch declined 1.8 million board feet. This reflects the continuing shift to a more plentiful species. The oak cut in 1966 was 3½ times greater than the cut 20 years earlier and twice that in 1958.

On the other hand, birch imports from Canada were 2 million board feet greater than in 1965. Apparently the demand for birch remained high, but local sources were unable to compete as effectively in 1966 with Canadian producers as in 1965.

To supply Indiana veneer mills, walnut cutting rose 600 thousand board feet in the Lake States from 1965. Most of this wood came from Wisconsin. Only 2 percent of the walnut harvest was processed in the Lake States.

Consumption

Veneer log imports to and exports from the Lake States were each more than 2 million board feet more than in 1965, but consumption of veneer logs at Lake States mills declined 1.2 million board feet to 55.4 million. Resident mills imported nearly twice the volume that was shipped from the area.

Consumption declined partly because two mills closed down and another switched from producing to buying veneer. No new mills began operating in 1966, but one or two may begin in 1968.

Wisconsin veneer mills received three-fourths of all veneer logs consumed in the Lake States. These mills depend upon Minnesota, Michigan and Canada for nearly half of their logs. Michigan mills obtained over four-fifths of their logs from within the State. Their greatest log import is yellow birch from Canada. The five mills in Minnesota used less than 10 percent of the veneer logs produced there without using any logs from other sources.

CENTRAL STATES

Veneer-log production in Indiana, Illinois, Missouri, and Iowa was 36.7 million board feet, down 3 percent from 1963 but slightly above the average for the last 10 years (table 2). Face and commercial veneer mills consumed 33.1 million board feet from the Central States; container veneer mills used the remainder.

Indiana mills used 55 percent of the cut; the other Central States mills used 30 percent. The rest was shipped to mills in Michigan, Kentucky, Virginia, Wisconsin, and Canada.

More walnut was cut for veneer in 1966 than any other species. Nearly 15 million board feet were taken from the woods — the second largest cut in the last 10 years. Cottonwood logging accounted for another 6.2 million board feet, the second highest species volume cut although the lowest harvest of cottonwood for 10 years. No other species cut was over 3 million board feet.

Twenty-four regional commercial and face veneer mills and 12 container mills used 48.2 million board feet of veneer logs, 8 percent less than in 1963. These mills imported 16.7 million board feet of which 13.7 million went to Indiana mills. Important sources of supply included Kentucky, Michigan, Ohio, Pennsylvania, and Wisconsin.

All but three of the 21 veneer mills in Indiana are primarily face and commercial veneer manufacturers. More than half of the Indiana mills high-quality logs come from other states. On the other hand, Iowa and Illinois are large net exporters of logs (table 3). They shipped more than 5 million board feet to Indiana's 20 mills. More than half was walnut. Iowa produces nearly twice as much veneer log volume as it consumes and Illinois one and one-half times as much.

Missouri log production and consumption are nearly equal: the State is a net exporter of more than one million board feet of high-quality veneer logs but this is offset by net imports of container veneer logs. Since 1963, Missouri and Iowa have each gained one new veneer mill.

Table 2. — Production and imports of veneer logs, Central States, 1966
(Thousand board feet, International 1/4-inch rule)

Species and destination	Production					Imports			Central States consumption ^{3/}
	Indiana	Illinois	Iowa	Missouri	Region total	Other States	Canada	Total imports	
Ash									
Indiana	310	12	-	-	322	237	-	237	559
Other C.S. ^{1/}	-	-	2	153	155	99	-	99	254
Outside C.S.	71	1	75	-	147	-	-	-	-
Total	381	13	77	153	624	336	-	336	813
Basswood									
Indiana	2	-	-	-	2	23	-	23	25
Other C.S.	-	-	364	-	364	-	-	-	364
Outside C.S.	-	22	223	-	245	-	-	-	-
Total	2	22	587	-	611	23	-	23	389
Black cherry									
Indiana	129	4	-	1	134	1,204	-	1,204	1,338
Other C.S.	-	-	14	-	14	7	-	7	21
Outside C.S.	11	-	-	-	11	-	-	-	-
Total	140	4	14	1	159	1,211	-	1,211	1,359
Cottonwood									
Indiana	1,019	-	-	-	1,019	132	-	132	1,151
Other C.S.	110	2,131	-	2,111	4,352	1,150	-	1,150	5,502
Outside C.S.	-	-	849	11	860	-	-	-	-
Total	1,129	2,131	849	2,122	6,231	1,282	-	1,282	6,653
Gum									
Indiana	491	-	-	-	491	523	-	523	1,014
Other C.S.	11	107	-	57	175	31	-	31	206
Outside C.S.	-	26	-	1	27	-	-	-	-
Total	502	133	-	58	693	554	-	554	1,220
Hickory									
Indiana	726	163	-	142	1,031	511	-	511	1,542
Other C.S.	-	-	7	35	42	-	-	-	42
Outside C.S.	6	-	-	-	6	-	-	-	-
Total	732	163	7	177	1,079	511	-	511	1,584
Hard maple									
Indiana	1,027	-	-	1	1,028	2,132	212	2,344	3,372
Other C.S.	-	28	75	96	199	36	-	36	235
Outside C.S.	53	8	170	-	231	-	-	-	-
Total	1,080	36	245	97	1,458	2,168	212	2,380	3,607
Soft maple									
Indiana	36	-	-	-	36	50	-	50	86
Other C.S.	-	36	68	96	200	71	-	71	271
Outside C.S.	-	54	252	2	308	-	-	-	-
Total	36	90	320	98	544	121	-	121	357
Red oak									
Indiana	400	66	-	-	466	423	-	423	889
Other C.S.	-	660	344	96	1,100	52	-	52	1,152
Outside C.S.	29	142	523	-	694	-	-	-	-
Total	429	868	867	96	2,260	475	-	475	2,041
White oak									
Indiana	1,421	68	-	-	1,489	453	-	453	1,942
Other C.S.	-	-	26	96	122	36	-	36	158
Outside C.S.	260	3	4	4	271	-	-	-	-
Total	1,681	71	30	100	1,882	489	-	489	2,100
Sycamore									
Indiana	510	-	-	-	510	181	-	181	691
Other C.S.	55	169	-	222	446	73	-	73	519
Outside C.S.	-	33	47	1	81	-	-	-	-
Total	565	202	47	223	1,037	254	-	254	1,210
Yellow poplar									
Indiana	2,439	497	-	1	2,937	1,458	-	1,458	4,395
Other C.S.	-	11	-	-	11	-	-	-	11
Outside C.S.	30	13	-	-	43	-	-	-	-
Total	2,469	521	-	1	2,991	1,458	-	1,458	4,406
Walnut									
Indiana	5,366	1,813	1,690	626	9,495	4,094	-	4,094	13,589
Other C.S.	-	427	1,200	1,585	3,212	1,126	-	1,126	4,338
Outside C.S.	1,046	132	248	554	1,980	-	-	-	-
Total	6,412	2,372	3,138	2,765	14,687	5,220	-	5,220	17,927
Misc. species									
Indiana	204	827	209	59	1,299	1,922	164 ^{2/}	2,086	3,385
Other C.S.	-	70	241	535	846	337	-	337	1,183
Outside C.S.	1	4	279	44	328	-	-	-	-
Total	205	901	729	638	2,473	2,259	164	2,423	4,568
All species									
Indiana	14,080	3,450	1,899	830	20,259	13,343	376	13,719	33,978
Other C.S.	176	3,639	2,341	5,082	11,238	3,018	-	3,018	14,256
Outside C.S.	1,507	438	2,670	617	5,232	-	-	-	-
Total	15,763	7,527	6,910	6,529	36,729	16,361	376	16,737	48,234

1/ Illinois, Iowa, and Missouri.

2/ Imported from South America or Africa.

3/ Production minus exports plus imports.

Table 3. — Veneer logs retained in state of origin,
by species
(In percent)

Species	State of origin			
	Indiana	Illinois	Iowa	Missouri
Ash	81	-	3	100
Basswood	100	-	62	-
Black cherry	92	-	100	-
Cottonwood	90	100	-	88
Gum	98	80	-	98
Hickory	99	-	100	-
Hard maple	95	78	31	99
Soft maple	100	40	21	98
Red oak	93	76	40	100
White oak	84	-	87	96
Sycamore	90	84	-	99
Yellow poplar	99	2	-	-
Walnut	84	12	21	27
Other	99	*	27	80
All species	89	46	25	60

* Less than 0.5 percent

In the last 10 years the use of hard maple has more than tripled in the Central States. A shift in consumer tastes to Colonial, Early American, and Federal furniture designs, which favor the use of maple, has probably been an important reason for the increase. Fine furniture veneers are important products of Central States mills.

Another furniture wood increasing in popularity is pecan which is included under the hickory group. The use of hickory has more than doubled since 1956.

**REPORTS ON VENEER-LOG PRODUCTION
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