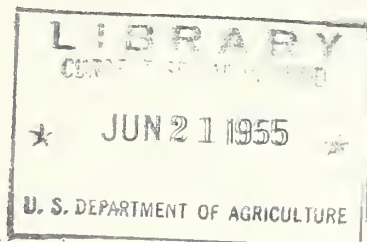


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ECONOMICS OF FORESTRY

A bibliography for the United States and Canada, 1948-1952

Compiled by
Frances J. Flick
Division of Bibliography

PREFACE

In 1950 the United States Department of Agriculture Library issued Library List 52, covering literature on the economics of forestry for the years 1940 through 1947. Since that time, a significant volume of literature on the economics of forestry has been published. Therefore this supplement has been prepared covering the period 1948 through 1952. It contains over 3,000 items selected after the examination of 6,000 references.

In general, the principles used in compiling the 1950 List were used in compiling the supplement. Some changes, however, resulting from constructive criticism of the earlier work, were incorporated. For example, the new category Management of Forest-Products Industries and Commerce combines the former categories Management of Forest-Products Harvesting and Processing, and The Meeting of Supply and Demand. The pattern of sub-categories largely remains unchanged.

Call numbers following each entry in the bibliography are those of the U. S. D. A. Library, unless the symbol for another library's collection is shown, i.e. Libr. Cong., Dept. Interior, or FS, standing for U. S. Forest Service files. These without call numbers usually may be obtained from the colleges and universities issuing them.

Dwight Hair of the Division of Forest Economics, U. S. Forest Service, gave generous assistance as reviser. Acknowledgement also is made of the continued help and interest of Prof. William A. Duerr of the State University of New York College of Forestry, Syracuse, who is joint editor of the standard work RESEARCH IN THE ECONOMICS OF FORESTRY (1953), for which these bibliographies are companion pieces.

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(See also INTEGRATED MANAGEMENT)

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2041. FENSOM, K. G. Trends in wood utilization in British Columbia. *Forestry Chron.* 28(2):40-45. June 1952. 99.8 F7623

Utilization in terms of industries and process developments.

2042. FILBERG, R. J. Management of forest resources. *Canad. Pulp & Paper Indus.* 5(9):16,18,21. Sept. 1952. 302.8 W52

Factors affecting the forest industry in British Columbia, in two parts: 1, Forest management license; 2, Salvage logging.

2043. HODGINS, H. J. Wood procurement and utilization. *Pulp & Paper Mag. Canada* 50(12):136,138,140-141, 144,146. Nov.1949. 302.8 P96

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2044. JENKINS, J. H. The state of integrated forest utilization in Canada. *Food & Agr. Organ. United Nations, Tech. Comt. Wood Chem. Mtg.* 4:3-4. 1949. 99.9 F732

2045. KOERNER, W. C. Diversified production application in British Columbia. *West. Forestry & Conserv. Assoc. Proc.* 43:23-25. 1952. 99.9 W522

2046. MCCUTCHEON, J. O. Integrated forest products operation. *Engin. J.* 35:940-944. Sept.1952. 290.9 En3

Lumber, plywood, shingles, and pulp; Macmillan & Boedel operations in British Columbia.

2047. MCNUT, J. W. White pine—past, present, future; historical outline of growth and decline of Ontario pine industry—with comments with regard to future. *Canada Lumberman* 69(5):68-70,118-120,122. May 1949. 99.81 C16

2048. ROCHESTER, G. H. Canada's lumber industry. *Foreign Trade* 11:707-709. June 7, 1952. 236.8 C162

Also in *Canada Lumberman* 72(7):46,54. July 1952. 99.81 C16

2048a. SASKATCHEWAN FOREST PRODUCTS. Annual report, 1949/50-1950/51. Regina, 1951-52. 2 v. 99.9 Sa74

Reports activities and finances of the Crown corporation which harvests timber, and manufactures forest products for the Province of Saskatchewan.

2049. WOOD, K. Foothill logging in Alberta. *Brit. Columbia Lumberman* 34(4):47,68. Apr.1950. 99.81 B77

DIRECTORIES OF FIRMS, PLANTS, AND OPERATIONS

2050. THE "ABC", British Columbia lumber trade directory and yearbook, 16-18. Vancouver, Progress, 1948-52. 3 v. 99.81 Ab2

Contain statistics of the trade and industry; a directory of public and private organizations connected with the trade; directory of sawmills and manufacturers of other forest products; the forestry laws of British Columbia; and other pertinent trade information.

2051. ABBEYS register of western sawmills and allied industries. Portland, Oreg., 1948. 304 p. 225 Ab2

2052. FLORIDA STATE CHAMBER OF COMMERCE. 1951-1952 directory of Florida industries. Jacksonville, 1952? 224 p. 225 D6223

Florida State Improvement Commission, cooperating. Includes statistical information about forest industries and wood manufactures.

2053. LOUISIANA. STATE DEPT. OF COMMERCE AND INDUSTRY. Louisiana industrial directory, 1951. Baton Rouge, 1951. 173 p. 225 Ln223

2054. LOUISIANA. FORESTRY COMMISSION. Wood-using industries of Louisiana. Ed. 3. Baton Rouge, 1951. 101 p. 99.77 L93

A directory of mills, by parish, giving kind of product, distribution method, and production capacity.

2055. THE LUMBER and forest products industry directory of Canada. Hollyburn, B. C., Cruikshank, 1952. 288 p. 225 L973

2056. LUMBERMAN'S handbook and directory of the southern forest industries, 1953. Seattle, Miller Freeman, 1952. 244 p. 225 L972

2057. *LUMBERMAN'S handbook and directory of the western forest industries, 1953. Seattle, Miller Freeman, 1952. 225 W524

Contents include: Board manufacturers, box manufacturers, door producers, and a general forest-products directory; an index to mills and logging camps; plywood and veneer plants; shake producers; shingle mills; wholesale dealers and exporters; and wood-working plants.

2058. MACRAE'S blue book, v. 59. Chicago, 1952. 4318 p. 225 M24

Supplement is an alphabetical list of manufacturers. The directory includes producers, products, and an index of trade names of forest products.

2059. NEW HAMPSHIRE FORESTRY AND RECREATION COMMISSION. Directory of sawmills and other primary wood-using industries of New Hampshire. Concord, 1952. 19 p. 99.9 N45W

2060. SARLES, R. L., and CLOVIS, J. F. Ohio sawmill directory, including timber buyers and other primary wood-using industries. Ohio Agr. Expt. Sta. Forestry C. 1, 92 p. Feb. 1952. 99.9 Oh35

2061. SMITH, W. P. Directory of forest-products industries in the 125 Tennessee Valley counties. Norris, U. S. Tenn. Val. Authority, Dept. Forestry Relat., 1952. 39 p. 173.2 T25Di

Name and address of producer, kind of wood required, and product manufactured.

2062. SOCIETY OF AMERICAN FORESTERS. GULF STATES SECT. A guide map to places in the South with practices and activities of interest to foresters. J. Forestry 49:815-817,819-821,823. Nov.1951. 99.8 F768

A map and directory of certain forests, industries, schools, and operations, prepared for the Annual Meeting of the Society, Biloxi, Miss.

2063. SOUTHERN ASSOCIATION OF SCIENCE AND INDUSTRY. Southern industrial directory. Atlanta, 1952. 60 p. 225 So826

2064. TENNESSEE. STATE PLANNING COMMISSION. Directory of Tennessee industries. Nashville, 1952. 312 p. (Publication No. 236) 225 T252

2065. THOMAS' register of American manufacturers. Ed. 42. New York, 1952. 4 v. 225 T36

*Not examined.

Lists manufacturers by product classification; an alphabetical list of manufacturers; an index to trade names.

2066. **TIMBERMAN**. Forest products industry directory of western North America, 1950. Portland, Oreg., 1949. 455 p. 225 T483

Contents list basic production mills; wood products mills; wholesale, distribution, and export dealers; trade associations; forestry organizations, and personnel.

2067. **TREMENDOUS** expansion of western forest industries. West Coast Lumberman 75(9):60-62. Sept. 1948. 99.81 W52

Maps, and list of new industries in Washington, Oregon, California, Alaska, and British Columbia.

2068. **U. S. FOREST SERV. DIV. OF FOREST PRODUCTS**. Lumber manufacturing, wood using and allied associations, 1951. Washington, 1951. 27 p. 1.9 F76Lm

A periodically revised directory of primary and secondary manufacturers' and allied industries' associations. Lists grading rules and standards issued or employed by the associations.

2069. ***VIDETO, H. E.** Directory, wood using industries of New Brunswick, exclusive of pulp and paper and sawmills. Fredericton, New Brunswick Resources Devlpmt. Bd., 1951. 20 p.

2070. **WEST COAST LUMBERMEN'S ASSOCIATION**. Where to buy Douglas fir, west coast hemlock, Sitka spruce, western red cedar. Portland, Oreg., 1952. 45 p. 225 W525

An annual directory giving the capacity of mills, facilities, and lists of items manufactured.

2071. **WITHEROW, B. M.** Lumber and its remanufacture; an inventory and directory and Pennsylvania's wood using industries. State College, Pa., 1948. 36 p. Ref.

Thesis (M.F.) - Pennsylvania State College.

Pt. 1, A history of the industry in Pennsylvania, Pt. 2, The inventory; Pt. 3, The directory.

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2072. **DUN & BRADSTREET**. Failures in manufacturing, wholesaling, and retailing of lumber, furniture, and finished wood products, 1934-July 1948. New York, 1948? 1 p. 284 D91Fai

2073. **THE LUMBERMEN'S NATIONAL RED BOOK SERV.** Reference book. Chicago, Lumbermen's Credit Assoc., 1952. Various paging. Libr. Cong.

Published twice yearly, with supplements. A leasing service; volumes cannot be purchased.

A directory of lumber and wood products companies, giving their financial strength and credit rating.

2074. **REMER, MITCHELL, and REITZEL**. Lumber and timber stocks. Timberman 49(3)-54(2). Jan. 1948-Dec. 1952. 99.81 T484

Monthly quotations.

2075. **U. S. BUR. OF INTERNAL REVENUE. EXCESS PROFITS TAX COUNCIL**. Lumber manufacturing industry, with special emphasis on southern and ponderosa pine. Washington, 1949. 74 p. 151.51 L97

Prepared by J. M. Jarrett in connection with claims for relief from excess profits tax, filed by various lumbering corporations. Partial contents: Use and market distribution; Volume of lumber production; Market for United States lumber; Profits of lumber producers. Appended tables contain statistics of production, distribution, consumption, prices, and profit and loss situation in the industry. References, p. 62-63.

2076. **U. S. FEDERAL TRADE COMMISSION**. Quarterly financial report, United States manufacturing corporations, 1st Q. 1948-4th Q. 1952. 20 v. 173 F32Q

U. S. Securities and Exchange Commission, cooperating. Includes statistics for corporations in these industry groups: Lumber and wood products; Furniture and fixtures; Paper and allied products.

2077. **U. S. SECURITIES AND EXCHANGE COMMISSION**. Data on profits and operations including surplus, 1946-47. U. S. Securities & Exch. Comm. Survey Amer. Listed Corp. Pt. 4, 260 p. Feb. 1949. 173.2 Se3Sup

Lumber and wood products corporations, including furniture, p. 228-257.

2078. **WILLIAMSON, A. H.** Forest industry financing [in Canada]. West. Forestry & Conserv. Assoc. Proc. 43: 65-67. 1952. 99.9 W522

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2079. **BAKER, W. J.** The Oregon Forest Products Laboratory, revised by R. H. Plow. Oreg. Forest Prod. Lab. Inform. C. 3, rev., 22 p. June 1952. 99.9 Or3522I

2080. **CANADA. DEPT. OF RESOURCES AND DEVELOPMENT. FORESTRY BR.** Research facilities of the Forest Products Laboratories Division, Ottawa and Vancouver. Ottawa, 1952. 15 p. 99.79 C164

2081. **COORDINATION** of research in the field of forest products. Forest Prod. Res. Soc. Proc. 2:136-149. 99.9 F7662P

2082. **DARWIN, W. N.** Tennessee Valley Authority's interest in forest products research. Forest Prod. Res. Soc. J. 2(1):76-85. Ref. Apr. 1952. 99.9 F7662J

2083. **DOSKER, C. D.** Significance of research to industry. Forest Prod. Res. Soc. Proc. 3:391-395. 1949. 99.9 F7662P

2084. **DUNN, P. M.** Forest products research in Oregon. Iowa State Col. J. Sci. 22:363-369. July 1948. 470 I09

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2085. **ELMENDORF, A.** Forest products research in industry laboratories. Forest Prod. Res. Soc. Proc. 2: 138-140. 1948. 99.9 F7662P

Discusses competition with public-agency laboratories. 2086. **FENSOM, K. G.** Wood research in Canada. Wood [London] 15:157-159. May 1950. 99.82 W855

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2087. **FOREST PRODUCTS RESEARCH SOCIETY**. Proceedings of the national annual meeting, 2-4. 1948-50. 3 v. 99.9 F7662P

Publication of technical articles continues in its Journal. 99.9 F7662J

2088. **GARLAND, H.** State forest products research in Michigan. Paper Trade J. 130(7):22-24. Feb. 16, 1950. 302.8 P196

2089. **HERITAGE, C. C.** Technical development for the small company. Brit. Columbia Lumberman 33(8):54-56, 68-70. Aug. 1949. 99.81 B77

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Financing research in forest products.

2090. **HORNE, R.** Higher end uses of non-waste. Nowest. Wood Prod. Clinic Proc. 7:54-57. 1952. 99.9 Sp6

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2092. **JENKINS, J. H.** Development of forest products research in Canada. Brit. Columbia Lumberman 34(11): 41-42, 108, 110, 112-113. Nov. 1950. 99.81 B77

2093. **KAUFERT, F. H.** Developments and trends in forest products research. J. Forestry 48:18-20. Jan. 1950. 99.8 F768

2094. **MARKWARDT, L. J.** Highlights of progress in forest products research. ASTM B. 174:45-54. May 1951. 290.9 Am34B

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2101. **TIMBER ENGINEERING CO.** Advancements in wood research and timber engineering. Washington, 1952. 31 p. 99.9 T484A

Includes a statistical analysis of clients and types of projects.

2102. **TIMBER ENGINEERING CO.** Wood symposium; one hundred years of engineering progress with wood; the centennial of engineering convocation, September 3-13, 1952. Proceedings, 109 p. 1952. 99.9 W85

The symposium was sponsored by the American Railway Engineering Association, the American Society for Testing Materials, the American Society of Civil Engineers Structural Division, and the American Society of Mechanical Engineers Wood Industries Division.

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2103. **WANGAARD, F. F.** Production research in wood products. Vt. Wood Prod. Conf. Rpt. 10:12-20. Ref. 1950. 99.9 V594

2104. **WASHINGTON. FOREST PRODUCTS COMMISSION.** Reports 1-3, 3 v. July 8, 1947/Sept. 30, 1948 - Oct. 1, 1950/Sept. 30, 1952. 99.9 W279

The Commission reports and summarizes activities of the Washington Institute of Forest Products, for the Washington Department of Conservation and Development.

2105. **THE WASHINGTON Institute of Forest Products** and its policies. Brit. Columbia Lumberman 32(4):82. Apr. 1948. 99.81 B77

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2106. **BAKER, G.** One hundred years of lumbering in the State of Maine. Maine U. Forestry Dept. Tech. Note 11, 2 p. Jan. 1952. 99.9 M284

2107. **BOYD, J.** Lumber—world's first industry. South. Lumberman 177(2225):256, 258, 260-262, 264-266. Dec. 15, 1948. 99.81 So82

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With title The lumber industry has contributed much to development of Nation, in Timber Prod. Assoc. B. [Ironwood, Mich.] 84:3-4, 9-21. Mar. 1950. 99.9 T482B

2109. **CLARK, D. H.** An analysis of forest utilization as a factor in colonizing the Pacific Northwest and in subsequent population transitions. Seattle, 1952. 214 p. Ref.

Thesis (Ph.D.) - University of Washington.

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2111. **CLARK, D. H.** Sawmill on the Columbia. The great lumber industry of the Pacific coast had its beginnings in a small mill near Fort Vancouver, in 1828. Beaver 281:42-44. June 1950. 110 B38

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2116. **HOVELAND, N. H.** The days of the big cut. Wis. Conserv. B. 13(6):4-9. June 1948. 279.8 W752

2117. **KLEVEN, B. J.** Wisconsin lumber industry. Minn. U. Sum. Ph. D. Theses 4:223-227. 1949. 241.8 M66

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2120. **LOEHR, R. C.** The Forest Products History Foundation [St. Paul, Minn.]. Soc. Amer. Foresters Proc. 1947:458-460. 1948. 99.9 So13

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2123. **PALAIS, H., and ROBERTS, E.** The history of the lumber industry in Humboldt County [Calif.]. Pacific. Hist. Rev. 19:1-16. Feb. 1950. Libr. Cong.

2124. **TIMBERMAN, v. 50, No. 12, Oct. 1949, commemorating 50 years of service.** Portland, Oreg., 1949. 276 p. 99.81 T484

Pictorial commemorative issue reviews the history of lumbering on the west coast and in Alaska. Covers logging methods and equipment, shipping practices, railroad logging, the plywood and box industries.

2125. **WEYERHAEUSER TIMBER CO. DEPT. OF PUBLIC INFORMATION.** Men, mills and timber; fifty years of progress in the forest industry. Tacoma, 1950. 50 p. 99.76 W54

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AND DISTRIBUTION

2126. **GLESINGER, E.** The coming age of wood. New York, Simon & Schuster, 1949. 279 p. 99.75 G48

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2127. **CLINE, A. C.** Future requirements for timber. Trees, U.S.D.A. Ybk. 1949:731-741. 1 Ag84Y

Estimates drain, and requirements in the following products: Fuelwood, poles, piling, fence posts, mine timbers, railroad ties and other products, lumber, housing lumber, farm lumber, fabricated products, container wood, veneer and plywood, cooperage, pulpwood, distillation products, and others.

2128. **COLLET, M. H.** Conservation and our national emergency. Unit 35:36-39. 1951. 99.9 Un34

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2129. **FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FORESTRY AND FOREST PRODUCTS DIV.** The forest crop of the future—quality or quantity? Unasyuva 4:51-57. Apr./June 1950. 99.8 Un1

2130. **FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.** Forest resources and human needs for wood. World Forestry Cong. Proc. 3(2):13-33. 1949. 99.9 C76912A

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2131. **GARVER, R. D.** Timber supplies for industry. Wood [Chicago] 4(12):27-29, 30, 40. Dec. 1949. 99.82 W859

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2136. JOHNSON, W. S. The long range outlook for forest products markets in California. Soc. Amer. Foresters. North. Calif. Sect. Papers 1949:1-6. 1950. 99.9 So13Pa

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2139. MCGUIRE, J. R. Quality timber supplies in the Northeast. Forest Prod. Res. Soc. J. 2(3):117-119. Sept. 1952. 99.9 F7662J

2140. MARQUIS, R. W. The forest products situation. Agr. Situation 35(4):7-8. Apr.1951. 1 Ec7Ag
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2141. OWENS, G. E. Timber supply and the three bad bears. J. Forestry 46:384-385. May 1948. 99.8 F768

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2142. RETTIE, J. C. The purpose and basic concepts of timber consumption and requirements studies. J. Forestry 46:237-242. Apr.1948. 99.8 F768

2143. VAUX, H. J. Can California timberlands bridge the gap? Soc. Amer. Foresters. North. Calif. Sect. Papers 1949:12-17. 1950. 99.9 So13Pa

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An economic model for requirements analysis; discussion of the production-goal concept of the U. S. Forest Service.

Statistics

(Production, Consumption, and Distribution)

2145. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. FORESTRY DIV. Yearbook of forest products statistics, 1947-52. Washington, Rome, 1948-52. 6 v. 99.9 Y3

Text and tables in English and French, with Spanish supplements. Each yearbook reviews the world supply situation and includes technical notes, definitions of forest-product terms, and converting factors. For reporting countries, including the United States and Canada, gives statistics of fellings, trade, consumption, and "balance", for roundwood (saw and veneer logs, pulpwood, and pitprops), lumber, plywood, ties, and pulp. Current statistics appear in Unasyuva. 99.8 Un1; Timber Statis. Q. B. 99.9 F73T

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2147. BALDWIN, H. I. Forest products produced in 1948 in New Hampshire. N. H. Forestry & Recreation Dept. Caroline A. Fox Res. & Demon. Forest. Fox Forest Notes 44,1 p. Dec.1949. 99.9 N454F

2148. BLACK, B. E. Oregon's farm forest products; production and income estimates. Oreg. State Col. Ext. B. 691,8 p. July 1948. 275.29 Or32B

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2149. BRYAN, M. B. Timber production and commodity drain from Florida's forests, 1948. U. S. Forest Serv. Southeast. Forest Expt. Sta. Forest Survey Release 34, 35 p. Aug.1950. 1.9622 A3F76

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H. J. Vaux, R. H. May, and A. Simontacchi, joint authors

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Compiled from applications submitted by registering operators.

2152. CALIFORNIA REDWOOD ASSOCIATION. Report for the month ... May 1948-Dec. 1952. San Francisco, 1948-52. 99.9 C124R

Redwoods and "whitewoods" harvested in redwood logging: Production, shipments, orders and stocks.

2153. COMMODITY RESEARCH BUR. Commodity year book, 1948-52. New York, 1948-52. 5 v. 286.8 C7392

Publishes long-range statistics combined from various official and private sources. Lumber: Production by amount and species; consumption by major uses; trade; average prices. Pulp and paper statistics. Turpentine and rosin: Production; supply and distribution; wholesale prices; consumption by industries.

2154. DAHL, F. H. Oregon's farm forest products, 1925-1951 ... containing county, district, and State estimates of cash receipts from farms and other small holdings in 1950, and other data pertaining to Oregon's forest industry. Oreg. State Col. Ext. B. 730,14 p. Nov.1952. 275.29 Or32B

2155. HORN, A. G. Commodity drain from forests of the Lake States, 1950. U. S. Forest Serv. Lake States Forest Expt. Sta. Misc. Rpt. 18,24 p. Sept.1,1952. 1.9622 L2M68

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2156. JAMES, L. M., and DUERR, W. A. The South's income from timber products. South. Lumberman 182 (2279):50. Mar.15,1951. 99.81 So82

2157. MCCORMACK, J. F. 1946 commodity drain by county from South Carolina forests. U. S. Forest Serv. Southeast. Forest Expt. Sta. Forest Survey Release 26,25 p. Mar.15,1948. 1.9622 A3F76

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2158. MAY, R. H. Production of logs and bolts for plywood, pulp, container veneer, shingles, cooperage, poles and piling in California, 1950. U. S. Forest Serv. Calif. Forest & Range Expt. Sta. Forest Res. Note 79,6 p. Nov.1951. 1.9 F7626R

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Chiefly farm woodlands. Contents include: The area, its resources, and marketing problems; Basic information on cooperation and cooperatives; The cooperating organization in the study - Farmers Mutual Inc.; Existing interest in marketing forest products cooperatively; Experimental cooperative marketing of pulpwood; Experimental cooperative marketing of poles; Study of possible cooperative marketing of other forest products; Appendix includes hardwood and pine pulpwood specifications of

various mills; crosstie specifications; Southern pine pole specifications, a list of forestry cooperatives, value comparison tables for poles, pulpwood, and sawlogs, and a list of local forest-products consumers.

2369. RUDOLPH, W. Woodland co-op. Amer. Forests 54:504-505. Nov.1948. 99.8 F762

Also in South. Lumberman 178(2227):36-37. Jan.15, 1949. 99.81 S082; and reported by H. Mendenhall, in Forest Leaves 34,i.e.39:20. Jan./Feb.1949. 99.8 F763

2370. WORSHAM, J. N. Financial operations of cooperative marketing of forest products by the Farmers Mutual Inc. in the vicinity of Durham, North Carolina. Durham,1949. 101 p. Ref.

Thesis (M.F.) - Duke University.

Competing Materials

2371. LAUESEN, E. J. Giving voice to a tongue-tied giant. South. Lumber J. 56(9):16,18,48,50. Sept.1952. 99.81 S08

Public-relations approach to selling wood against competing materials.

2372. MULLER, J. L. Wood vs. substitutes. Wood Working Digest 54:81-84. Sept.1952. 99.82 W87

2373. SHARP, P. F. The war of the substitutes; the reaction of the forest industries to the competition of wood substitutes. Agr. Hist. 23:274-279. Ref. Oct.1949. 30.98 Ag8

History of the industries in the first decades of the 20th century.

2374. SYRING, R. H. Plywood facing strong hard-board competition. Barron's 31(45):23. Nov.5,1951. 234.8 B27

2375. WOOD vs. steel costs analyzed for school [in Texas]. Engin. News-Rec. 148(14):35-36. Apr.3,1952. 290.8 En34

Prices

(Forest Products in General)

2376. BUR. OF NATIONAL AFFAIRS. Federal controls: Price. Washington,1951-52. Various paging. Legal Br.

Compilation of regulations and rulings from the U. S. Office of Price Stabilization, affecting marketing, delivery, grading and scaling, and some foreign trade aspects of forest products. These regulations also appear in the Federal Register and in the Code of Federal Regulations. Consists of General Ceiling Price Regulations, Supplementary Regulations, Ceiling Price Regulations, and General Overriding Regulations, granting exemptions.

Sect. 390, Forest products, includes regulations and amendments in the following series: GCPR,SR 17, Sale of stumpage; SR 58, Chestnut extract wood; SR 82, Mine material, northern area; SR 83, Mine material, Virginia and West Virginia; SR87, Ceiling prices for resellers of lumber and allied products; SR 101, Hardwood charcoal; SR 102, Western lumber, preservatively treated; SR 103, Mine materials, West; SR 110, True mahogany logs and lumber; SR 112, Fir and hemlock refuse wood, Washington and Oregon; SR 115, Potato barrels in Maine; SR 129, Suspension of ceilings on hardwood plywood, east of the 105th meridian.

CPR 33, Northeastern pulpwood; CPR 49, Wood pulp; CPR 52, Gum rosin and gum turpentine; CPR 86, New tight coopeage; CPR 90, Eastern and Central wooden agricultural containers; CPR 95, Turned, shaped, and other wood products; CPR 97, Pacific Northwest logs; CPR 102, Pulpwood produced in Pennsylvania and in parts of New York, Maryland, Virginia, and West Virginia; CPR 104, New hardwood tobacco hogsheads; CPR 107, Pulpwood and excelsior bolts, Lake States; CPR 122, Western softwood plywood and veneer; CPR 123, Untreated eastern ties; CPR 126, Pacific Northwest poles and piling; CPR 128, Pacific Northwest lumber, and ship decking purchased for the U. S. Navy; CPR 132, Southern hardwood and yellow cypress lumber; CPR 140, Northeastern white pine lumber; CPR 142, Southern California used wooden agriculture containers; CPR 149, Southern yellow pine lumber; CPR 151, Appalachian hardwood lumber; CPR 152, Western white pine and associated species; CPR 153, Softwood plywood, hardwood faced; CPR 155, Western red cedar and Intermountain poles and piling; CPR 157, Eastern wood preserving industry; CPR 158, California redwood lumber; CPR 165, Imported wood products; CPR 168, Alaska Sitka spruce and hemlock;

CPR 170, Western wood preserving industry (pressure process); CPR 171, Untreated eastern poles and piling; CPR 175, Douglas fir and western hemlock doors; CPR 176, New England hemlock and other species of New England softwoods; CPR 181, Stock millwork; CPR 182, Northeastern hardwood lumber.

2377. CANADA. DOMINION BUR. OF STATISTICS. Prices and price indexes. Jan.1948-Dec.1952. Monthly. 234.39 C16Pr

Includes wholesale price indexes for lumber and timber, pulp and newsprint.

2378. CANADA. DOMINION BUR. OF STATISTICS. Wholesale price indexes, 1913-1950. Ottawa,1951. 97 p. (D. B. S. Reference Paper 24). 234.3 C1614

Includes index numbers for timber products by species, pulp and paper, and derived products; lists commodities by grade and species, giving percentage weights by imputed index values.

2379. COMMERCE CLEARING HOUSE. Emergency business control law reports: Prices. Chicago,1951-52. Various paging. Legal Br.

Compilation of regulations and rulings from the U. S. Economic Stabilization Agency and U. S. Office of Price Stabilization. Includes price regulation, delivery, grading and scaling, and some export rulings for forest products and pulp and paper products. Listed by number under entry 2376 in this bibliography. These regulations also appear in the Federal Register.

2380. U. S. BUR. OF LABOR STATISTICS. New weekly index of wholesale prices. Washington,1948. 13 p. 158.61 N42

Lists forest products in commodity groupings; and their relative importance in the new tabular code.

2381. U. S. BUR. OF LABOR STATISTICS. Wholesale price index, Dec. 1951-Nov.1952. Prices and price relatives for individual commodities. Feb.1952-Dec.1952. 158.6 W622

Supersedes monthly publication entitled Average wholesale prices and index numbers of individual commodities, Jan.1943-Dec.1951. 158.6 P93A

Monthly. Some commodity code numbers which include forest products are: 06, Chemicals and allied products; 03, Lumber and wood products; 09, Pulp, paper, and allied products; 12, Furniture.

Index numbers and prices for these groups, 1947-50, appear with the same title, in special issue of Feb.1952. 158.61 W623

2382. WISCONSIN UNIVERSITY. COLLEGE OF AGRICULTURE. EXTENSION FORESTRY OFF. Wisconsin forest products price review. Lake States Timber Digest, 2-6. Jan.1948-Dec.1952. 99.81 L14

Issued three times a year, usually in Feb. or Mar., July, and Nov. or Dec. Includes general reviews of the production, inventory, and requirement situation, and gives price quotations for pulpwood, by species; for lumber, veneer and sawlogs, box and excelsior bolts, stumpage, tie cuts, ties, piling, poles, and posts.

Stumpage and Log Prices

2383. FRAUNBERGER, R. C. Forestry fallacies. 1, Are lumber prices indicators of timber scarcity? South. Lumberman 181(2266):46,48,50,52. Ref. Sept.1,1950. 99.81 S082

Production cost and stumpage price relationships.

2384. MCCLAY, T. A. Comparative stumpage prices for small pine saw timber and pulpwood. U. S. Forest Serv. Southeast. Forest Expt. Sta. Sta. Paper 16,7 p. Apr. 1952. 1.9622 S4St2

Similar title in Forest Farmer 10(9):7. June 1951. 99.8 F7692

2385. PARKER, J. R. Factors affecting woodlot stumpage prices in Fairfield County, South Carolina. Durham,1952. 32 p. Ref.

Thesis (M.F.) - Duke University.

2386. SCHULTZ TIMBER CO., LTD. Coast log prices. Brit. Columbia Lumberman 34(10)-36(12). Oct.1950-Dec. 1952. 99.81 B77

Monthly statistics from their Timber Bulletin, appearing in varying parts of the periodical; often accompanied by information about log stocks, and amount of timber scaled.

2387. STEER, H. B. Stumpage and log prices for the calendar year 1945. U.S.D.A. Statis. B. 82,52 p. Feb. 1948. 1 Ag34St

U. S. Bureau of the Census and U. S. Department of Commerce, cooperating.

2333. TODD, A. S., JR., and ZIRKLE, J. J., JR. A test of survey methods for estimating stumpage prices. Agr. Econ. Res. 4:115-125. Oct.1952. 1 Ec7Agr

U. S. Forest Service Southeastern Forest Experiment Station study in North Carolina.

2389. U. S. BUR. OF AGRICULTURAL ECONOMICS. Average prices paid Georgia timber producers for standing timber and sawlogs. Athens,1949-52. 1,941 F8Av32 Georgia Agricultural Extension Service, cooperating. Usually quarterly.

Transportation; Freight Rates

2390. ASSOCIATION OF AMERICAN RAILROADS. CAR SERV. DIV. Revenue freight loaded. Jan.1948-Dec. 1952. Weekly. 239,29 As73

Includes district statistics for forest products.

2391. BERGAN, C. O. Transportation [of western forest products]. Spokane Chamber Com. Wood Prod. Clinic Proc. 3:14-19. 1948. 99.9 Sp6

2392. CHURCH, D. E., and DEWOLFE, M. R. Car-loads of agricultural and nonagricultural commodities originated, by type of car, 1947-50. Washington, U. S. Bur. Agr. Econ.,1951. 16 p. 1.941 M2C19

Includes forest products.

2393. HATTON, H. Lower freight rates would boost tonnage. Ala. Lumberman 2(6):7-8,22-25. June 1950. 99.31 AL1

Forest-products transportation problems in the South.

2394. HOW SHIPS serve lumber-hungry southern California. Lumberman 78(4):48-50,116. Apr.1951. 99.31 W52

2395. THE LOG rush is on for B[ritish] C[olumbia]'s towing fleets. Brit. Columbia Lumberman 35(11):77-80. Nov.1951. 99.81 B77

Pressure on towing and other log transportation facilities as a result of lifting forest closure.

2396. U. S. INTERSTATE COMMERCE COMMISSION. BUR. OF TRANSPORTATION ECONOMICS AND STATISTICS. Carload waybill analyses, 1947-51. Products of forests. Washington,1949-52. 8 v. Irregular. Interstate Com. Libr.

Subtitles and statement numbers vary.

Products for which distribution, revenue, and termination statistics are averaged include logs, bolts, posts, poles, piling, fuelwood, ties, pulpwood, lumber and allied products, containers, cooperage, veneer, plywood, and naval stores. Distribution of freight traffic and revenue averages for 1947, are in Statement 4911,12 p. Mar. 1949; Traffic and revenue by commodity class, territorial movement, length of haul, and type of rate, for 1948, in Statement 503,50 p. Jan.1950; State-to-State distribution for 1948, in Statement 5024,34 p. May 1950; 1949 analysis, in Statement 5044,33 p. Aug.1950; Statement 519, 57 p. Feb.1951; 1950 analysis for all terminations, in Statement 5139, 32 p. July 1951; State-to-State distribution for 1950, in Statement 5154,48 p. Oct.1951; for 1951, in Statement 5233,44 p. Aug.1952.

2397. U. S. INTERSTATE COMMERCE COMMISSION. BUR. OF TRANSPORTATION ECONOMICS AND STATISTICS. Statistics of railroads in the United States, ... annual reports 60-64, 1946-50. Washington,1948-52. 5 v. 168 St2

Kept current by detailed separate annual reports, such as Freight commodity statistics, class 1 steam railways, 168 F88; quarterly summaries, 168 Su5.

Includes selected data on revenue freight, by commodity group, including Products of forests; Cross ties laid and cross ties replaced.

Foreign Trade; Canada-U. S. Trade

2398. BRITISH Columbia lumber exporter; [monthly] supplement to British Columbia Lumberman. Brit. Columbia Lumberman 32(1)-36(12). Jan.1948-Dec.1952. 99.81 B77

Trade and industry statistics, waterborne shipments, foreign and domestic marketing news. Sources of statistics are the Pacific Lumber Inspection Bureau and the Canada Dominion Bureau of Statistics.

2399. DONNELLY, G. V. Softwood survey. 3. Canada and the United States. Wood [London] 14:345-347. Nov. 1949. 99.82 W855

Discusses chief producing and marketing areas and species produced which figure in the export market. Two maps designate timber ports of the eastern and western seaboard.

2400. ELCHIBEGOFF, I. M. United States international timber trade in the Pacific area. Stanford, Stanford U. Press,1949. 300 p. Ref. 99.76 EL1

Includes land utilization, population, and resources of the United States, Canada and other countries bordering the Pacific; timber and products policies affecting trade; tariffs, transportation, supply and demand aspects. Some of the studies on which conclusions are based are now obsolete.

2401. FREEMAN, R. Analysis of Canada-U. K. timber trading problems. Timber Canada 9(3):44-46. Nov.1948. 99.81 T437

2402. LATHAM, B. Hardwood survey. 2. North and South America. Wood [London] 15:196-198,228-230. June-July 1950. 99.82 W855

Includes a map showing principal timber ports of North America.

2403. MILLER, C. E. Hardwood exports and the ECA. South. Lumberman 178(2237):82. June 15,1949. 99.81 So82

Further statements in *ibid.* 179(2240):34. Aug.1,1949.

Prepared by the National Lumber Exporters Association.

2404. MULLER, J. L. Forest products constitute a billion-dollar import trade. Foreign Com. Wk. 38(10):3, 15,41-42. Mar.6,1950. 157.54 F763

2405. NEWMAN, G. A. The market for hardwoods; Canadian dealers in birch and hard maple should investigate the southern U. S. market. Foreign Trade 12(305): 21-22. Nov.1,1952. 286.8 C162

Contents: Southern hardwoods depleted; Freight costs; Trade requirements (specifications and utilization).

2403. PARLOUR, R. R. New England buys Canadian forest products. Foreign Trade 12(293):17-18. Aug.9, 1952. 236.8 C162

2407. TIMBER TRADES JOURNAL. Shipping marks on timber. Ed. 13. London,Benn,1951. 296 p. 99.76 T434

Lists firms exporting hardwood and softwood lumber, plywood, and wallboard from the United States and Canada. Includes trade-marks, quality, and occasional estimates of average annual production of each company.

2408. TIMBERMAN, Waterborne trade. Timberman 49(3)-54(2). Jan.1948-Dec.1952. 99.81 T484

Monthly report of waterborne shipments and trade in the Pacific Northwest. Text summaries usually by R. C. Hill.

2409. U. S. BUR. OF THE CENSUS. Hardwood-log imports, U. S. Foreign Com. Wk. 40(6):32. Aug.7,1950. 157.54 F763

Species and quantity, 1946-50.

2410. U. S. COMMITTEE FOR RECIPROCITY INFORMATION. Hearing concerning trade agreements with [various countries]. Panel D. v. 4. Textiles, wood and paper. Washington,Ward & Paul,1950. p.370-542. 173 R242D

Includes statements and testimony regarding the hardwood and softwood plywood industries, brush handles industry, and the pulp and paper industry; the competition of foreign producers, especially Canadian.

2411. U. S. OFF. OF INTERNATIONAL TRADE. Foreign commerce yearbook, 1950. Washington,1952. 723 p. 157.54 Y3F

Current statistics in U. S. Bur. of the Census, Quarterly summary of foreign commerce of the United States, 157.41 Su62, showing information in two groups: 2, Naval stores, gums, and resins; 4, Wood, pulp and paper, and related products.

2412. U. S. TARIFF COMMISSION. Summaries of tariff information. V. 4, Wood and manufactures. Washington,1948. 137 p. 173 T17Su

Duties and tariff information on naval stores and other forest products are located through the Commodity index to dutiable items, an unnumbered part of this series.

PRIMARY WOOD CONVERSION; PRODUCTION PROCESSES AND EQUIPMENT

2413. ANDREWS, L. R. The effect of development in harvesting and manufacturing methods and equipment on utilization and forestry practices [in British Columbia]. Brit. Columbia Lumberman 36(8):36-38,105,108,110,112, 114,116,120,122. Aug.1952. 99.81 B77

2414. BOVAY, H. E. An appraisal of mechanization in the southern pine industry. South. Lumberman 184(2305): 108,110,112,114. Apr.15,1952. 99.81 So82

2415. CONKLIN, R. P. Integrated manufacturing, an aid in the management of an overmature forest. *Forest Prod. Res. Soc. J.* 1(1):115-116. Sept.1951. 99.9 F7662J

2416. GRUENFELD, J. J. Winter logging and milling study in northern Colorado. Fort Collins,1949. 110 p. Ref.

Thesis (M.F.) - Colorado Agricultural and Mechanical College.

Michigan River Timber Co., cooperating.

Includes time studies, wage rates, and other employment information.

2417. GUTTENBERG, S., and DUERR, W. A. A guide to profitable tree utilization. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 114,18 p. Ref. Nov.1949. 1.9 F76240

The method of conversion surplus, for application by southern pine operators. Cost tables for logging, milling, and labor are appended.

2418. HOLMAN, H. E. The current situation affecting logging and milling equipment availability. *Lake States Timber Digest* 5(7):1,3,11. May 1951. 99.81 L14

2419. HOSMER, W. A. The integration of pulpwood and lumber. *Forest Prod. Res. Soc. J.* 2(1):58-61. Apr. 1952. 99.9 F7662J

Products from hardwood stands containing sawlogs and pulpwood.

2420. MALCOLM, F. B. Fabrication of wood products at small sawmills and woodworking plants. *South. Lumberman* 176(2207):52,54,56,58. Mar.15,1948. 99.81 So82

Includes review of business factors, material and equipment requirements.

2421. MANION, G. D. Views of a sawmill superintendent. *Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester* 8(1):10-12. Feb.1951. 99.9 So13N

Economics of operation in northern New York.

2422. RECKNAGEL, A. B. Coordination of utilization in woods & mill. *Brit. Columbia Lumberman* 32(11):64-65. Nov.1948. 99.81 B77

"The chief forester in charge of wood procurement, the production manager in charge of mill operation, and the sales manager in charge of sales, must work together..." p.64.

2423. SCHINDLER, E. R. How mechanical efficiency is being increased in the southern pine industry. *J. Forestry* 48:705-709. Aug.1950. 99.8 F768

Similar information with title Greater efficiency is the trend, in *South. Lumberman* 181(2273):221-225. Dec.15, 1950. 99.81 So82; *Wood [Chicago]* 5(6):20-21. June 1950. 99.82 W859

Includes departmental costs and the industry's economy in general.

2424. SCHINDLER, E. R. Southern pine industry mechanizes. *Forests & People* 2(3):24-25,50-53. July 1952. 99.8 F7628

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2425. SCHRADER, O. H. Integrated forest utilization in the Pacific Northwest. *Mech. Engin.* 69:999-1004. Dec.1947. 291.9 Am3J

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2426. WILLARD, J. A. Economics of wood handling. *Tappi* 32:6-10. Jan.1949. 302.8 T162

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Accounting and Costing

2427. BLOUGH, C. G. Current accounting & auditing problems: ... at what value may lumber companies carry inventory? *J. Accountancy* 93:600-601. May 1952. 325.8 J82

A ruling by the U. S. Commissioner of Internal Revenue.

2428. HANSEN, G. M. Elements of figuring and invoicing lumber. *Timberman* 49(10):90,92. Aug.1948. 99.81 T484

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2429. MARSHALL, E. D. Standard accounting forms for Texas sawmills. *Tex. Forest Serv. Tech. Rpt.* 5,19 p. Oct.1952. 99.9 T31T

2430. NOLTEMEYER, V. E. Accounting and cost controls in the hardwood conversion industry. Louisville, Ky. Print Corp.,1952. 122 p. 99.77 N72

2431. OWENS, J. M. Cost control in woodworking. *Vt. Wood Prod. Conf. Rpt.* 10:3-7. 1950. 99.9 V594

2432. RAWLINSON, C. E. An audit program designed to eliminate year-end peaks by expanding interim examination. *J. Accountancy* 91:272-275. Feb.1951. 325.8 J82

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2433. SMITH, H. E. Cost accounting in logging and lumber manufacturing. In Lasser, J. K., ed. *Handbook of cost accounting methods*, p.816-831. New York, Van Nostrand,1949. 325 L332H

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2434. BLAKELEY, G. M. Northeast pulpwood supply situation. *Amer. Pulpwood Assoc. Annu. Mig.* 14:14-17. 1948. 99.9 Am33

Chiefly about logging contracts, the economics of mechanization, and time studies in logging.

2435. BROWN, N. C. Logging; principles and methods of harvesting timber in the United States and Canada. New York, Wiley,1949. 418 p. Ref. 99.76 B81Log

Includes general economic considerations and cost factors in timber utilization, stumpage, labor and housing, partial cutting, felling and bucking, loading, transportation, methods, and equipment.

2436. CARTER, G. W. J. Income taxes as they affect the logging industry. *Brit. Columbia Lumberman* 32(1):48-50. Jan.1948. 99.81 B77

2437. DRAKE, G. L., and others. Improvements in logging techniques in the United States. *United Nations Sci. Conf. Conserv. & Util. Resources. Proc.* 5:234-242. 1949, pub.1951. 279.9 Un32P

F. C. Simmons, M. H. Collet, and E. E. Matson, joint authors.

Logging techniques and forest-industry conditions treated regionally: Northeast and Lake States, the South, and the Pacific Northwest.

2438. ESGATE, E. E. Engineering pulpwood production. *Pulp & Paper Mag. Canada* 49(10):132,134,136. Sept.1948. 302.8 P96

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2439. FENSOM, K. G. Integrated utilization. *Forestry Chron.* 25:47-51. Mar.1949. 99.8 F7623

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2440. FORDYCE, D. H. Aspects of logging in the Southwest as exemplified in Arizona. New Haven,1949. 81 p. Ref.

Thesis (M.F.) - Yale University.

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2441. KOSKI, O. O. Pulpwood handling [logging] in the Lake States. *Forest Prod. Res. Soc. Proc.* 3:63-70. 1949. 99.9 F7662P

2442. MCCOLL, D. The inherent problems of logging. *Brit. Columbia Nat. Resources Conf. Trans.* 3:131-135. 1950. Libr. Cong.

Capital, timber recovery, supply, utilization, markets, weather, labor, mechanization, protection, and general problems of the industry.

2443. PACIFIC LOGGING CONGRESS. *Loggers handbook* 8-12, 5 v. 1948-52. 99.76 P112La

Partial contents v. 9: History of logging machinery; History of railroad logging; History of power saws; Logmania (a hypothetical logging and timber sale problem, with various solutions by several authorities.).

2444. RUTH, R. H., and SILEN, R. R. Suggestions for getting more forestry in the logging plan. U. S. Forest Serv. Pacific Northwest. *Forest & Range Expt. Sta. Res. Note* 72,15 p. Dec.1950. 1.9 F7629Fr

Outlines efficient approach to road-planning and planning the operation in staggered-settings. Includes an analysis of logging costs on five areas in Oregon.

2445. WACKERMAN, A. E. Harvesting timber crops. New York, McGraw-Hill,1949. 437 p. Ref. 99.76 W11

2446. WEITZMAN, S. Mountain logging. *South. Lumberman* 185(2321):199-202. Dec.15,1952. 99.81 So82

Economies achieved through proper skidroad construction and flexible logging methods, Fernow Experimental Forest, W. Va.

Logging Costs, Returns, and Productivity

2447. BOWMAN, B. K. An investigation into the possibility of developing straight line time trends based on basal area to aid in determining costs in the logging industry. Ann Arbor, 1949. Various paging. Thesis (M.F.) - University of Michigan.
- Logging in northern hardwoods.
2448. BRENDER, E. V. Logging costs in loblolly pine. Forest Farmer 9(3):5,10. Dec.1949. 99.8 F7692
- Sawtimber and pulpwood logging under different management systems, Hitchiti Experimental Forest, Georgia.
2449. CAMPBELL, R. A. Timber cutting and skidding costs in the southern Appalachians. South. Lumberman 185(2321):189-191. Dec.15,1952. 99.81 So82
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2450. CARR, G. J. Tree-length logging of pulpwood. Pulp & Paper Mag. Canada 53(12):136-138,140,142,144, 147,150. Nov.1952. 302.8 P96
- Emphasizes effect on costs and efficiency.
2451. CHURCH, T. W. Time required to harvest pine pulpwood in the Piedmont of North Carolina. Durham, 1952. 60 p.
- Thesis (M.F.) - Duke University.
2452. CLARK, S. F. Logging costs in east Texas, as affected by cut per acre and log size. South. Lumberman 184(2301):76,78. Feb.15,1952. 99.81 So82
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2453. DEMOISY, R. G. Biles-Coleman Lumber Company, logging methods for lodgepole pine. Wash. Inst. Forest Prod. New Wood-Use Ser. C. 4,8 p. Nov. 1949. 99.9 W278N
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2454. GILMER, W. D. A cost and time study of a typical logging operation in Orange County, North Carolina. Durham, 1951. 22 p.
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2455. GROOME, E. S. Brush disposal. Pulp & Paper Mag. Canada 50(13):132,134. Dec.1949. 302.8 P96
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2456. *HALL, O. F. Time study and costs analysis of logging operations. New Haven, 1948.
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2457. HAYNES, W. N. An analysis of pulpwood production costs in southeast Georgia. Durham, 1949. 72 p. Ref.
- Thesis (M.F.) - Duke University.
2458. MCKNIGHT, J. S., and PUTNAM, J. A. Logging cut-over stands of bottomland hardwoods. South. Lumberman 185(2321):184-186. Dec.15,1952. 99.81 So82
- Costs of conservative cutting operation carried out in the Delta Experimental Forest.
2459. MICHELL, A. S. Analysis of pulpwood harvesting techniques and costs in North Carolina. Durham, 1951. 156 p. Ref.
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2460. MILLER, J. W. Cost of logging southern pine of a various diameters as applied to a portable mill in Alachua County, Florida, year 1946. Gainesville, 1948.
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- Also a time analysis of various operations.
2461. PEPLER, W. A. E. Extraction--logging and its effects on forest practice. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1270 B-1,11 p. Summer 1952. 99.8 W855
- Cites eastern Canada operations, and the studies of production and labor efficiency carried on there.
2462. RAWLS, I. W. Large logs cost less to log than small logs. South. Lumberman 185(2321):125-126. Dec.15,1952. 99.81 So82
- 1947-51 records kept on Crossett Experimental Forest, Ark.
2464. SCHANTZ-HANSEN, T. Logging methods and peeling of aspen. U. S. Forest Serv. Lake States Forest Expt. Sta. Aspen Rpt. 3,14 p. Ref. July 1948. 1.9622 L2L14
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2465. SCHMIDT, O. A. Pulpwood production on cut-over lands in Wisconsin. Ann Arbor, 1950. 65 p. Ref. Thesis (M.S.F.) - University of Michigan.
- Contents: Logging in Wisconsin; Forest conditions; Sources of pulpwood; Factors affecting logging costs; Logging methods; The shacker system on an industrial forest; Cost analysis (stumpage and harvest); Possibilities of mechanization.
2466. SILVERSIDES, C. R. Applying work simplification to woods operations in eastern Canada. Canad. Pulp & Paper Assoc. Woodlands Sect. Annu. Mtg. Proc. 31:76-86. 1949. 99.9 C166
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2467. SIMMONS, F. C. Choosing methods and equipment for logging. U. S. Forest Serv. Noeast. Forest Expt. Sta. Sta. Paper 18,19 p. Aug.1948. 1.9622 N2St22
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On varying February dates. Reviews American Paper & Pulp Association activities and contains separate articles on production, supply, markets, trade and consumption in pulps, papers, products, materials, government orders and equipment, by various experts and industrialists.
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2963. FLORIDA. UNIVERSITY. ENGINEERING AND INDUSTRIAL EXPERIMENT STATION. Pulp and paper industry. Fla. U. Engin. & Indus. Expt. Sta. L. 20, 3 p. 1949. (Florida Industries and Industrial Growth, No. 7) Libr. Cong.

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2987. CANADIAN PULP AND PAPER ASSOCIATION. WESTERN SECT. Historical notes on British Columbia's pulp and paper industry. Pulp & Paper Mag. Canada 49(8):67-68. July 1948. 302.8 P96

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3001. STEPHENSON, J. N. Quebec's pulp and paper industry since 1803. Pulp & Paper Mag. Canada 51(12):95-103. Nov.1950. 302.8 P96

3002. WRIGHT, T. G. Effect of recent pulp and paper developments in British Columbia on the forest. Forestry Chron. 28(4):42-49. Dec.1952. 99.8 F7623

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3005. CANADIAN PULP AND PAPER ASSOCIATION. Pulp and paper mills in Canada. Pulp & Paper Mag. Canada 51(6):80,98. May 1950. 302.8 P96

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3007. LOCKWOOD'S directory of the paper, and allied trades, 74-78, 1949-53. New York,1948-52. 5 v. 302 L81

3008. NATIONAL directory of the Canadian pulp and paper industries 1952. Gardenvale, Que., Natl. Business Pub.,1952. 473 p. 225 N2123

3009. THE PAPER makers' and merchants' directory of all nations, 54-59. London,1948-52. 5 v. 302 P192

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3013. PULP & PAPER INDUSTRY. Pulp & paper mill directory of North America. Seattle, Miller Freeman, 1952. 235 p. 225 P963P

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3014. STEER, H. B., comp. Wood pulp mills in the United States, by State and type of product, from Lockwood's directory of the paper and allied trades, 1952, and other sources. Washington, U. S. Forest Serv. Div. Forest Econ., 1952. 6 p. Map. 1,962 F4W85

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3016. BICKING, C. A. Industrial statistics; their place in the manufacture of pulp and paper. Pulp & Paper Mag. Canada 49(3):181-188, 195. Ref. Conv. Issue, 1943. 302.8 P96

3017. EVANS, J. C. W. Institute's revitalization. Pulp & Paper Mag. Canada 53(1):64-75. Jan. 1952. 302.8 P96

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3018. ISENBERG, I. H. Coordination of research in the pulp and paper industry. Forest Prod. Res. Soc. Proc. 2:141-142. 1943. 99.9 F7662P

3019. PHILBROOK, D. A. Activities of the Northeast Pulpwood Research Center. Canad. Pulp & Paper Assoc. Woodlands Sect. Annu. Mtg. Proc. 31:32-35. 1949. 99.9 C136

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3022. BOND, W. E. Costs and realization values in producing pulpwood. U. S. Forest Serv. South. Forest Expt. Sta. South. Forestry Notes 52:2. Nov. 1947. 1.9 F73243

3023. CASE, G. R. Standards and control reports in paper manufacture. N.A.C.A. B. 32:1299-1312. July 1951. Libr. Cong.

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3024. LIBBY, C. E., and O'NEIL, F. W. The manufacture of chemigroundwood pulp from hardwoods. N. Y. State Col. Forestry B. 23, 42 p. Ref. 1950. 99.9 N486B

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3025. PATCH, C. E. Experiences with pulpwood handling and accounting. Paper Trade J. 127(3):62-65. July 15, 1943. 302.8 P196

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3026. PEARSON, F. Coordinating pulpwood and [pulp] mill operations. Soc. Amer. Foresters. N. Y. Sect. N. Y. Forester 3(2):3-6. May 1952. 99.9 S013N

3027. REYNOLDS, R. R. Pulpwood production costs in southeast Arkansas, 1950. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 121, 17 p. June 1951. 1.9 F76240

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3023. SCHNYDER, A. P. Modernization of pulp mills. Paper Mill News 72(47):73, 78, 80. Nov. 19, 1949. 302.8 P195

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3029. TOMLINSON, G. H. Recent trends in the manufacture of pulps as related to papermaking. Pulp & Paper Mag. Canada 51(11):112-114. Oct. 1950. 302.8 P96

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3030. WARBURTON, J. A. Log block piles inventoried by air at savings of thirty per cent. Pulp & Paper Mag. Canada 52(12):119-120. Nov. 1951. 302.8 P96

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3031. ZASADA, Z. A., and RICHARDSON, C. A. Logging and pulping black spruce thinnings. Tappi 32:333-396. Sept. 1949. 302.8 T162

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3032. BELL, G. E. The handling and transportation of sawmill waste for pulpwood. Canad. Pulp & Paper Assoc. Woodlands Sect. Index 1269-E, 14 p. June 1952. 99.8 W855

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3033. DEAN, B. 150 tons per day, kraft from sawmill refuse. Amer. Boxmaker 33(3):21-22. Mar. 1949. 99.82 Am3

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3034. GOODFELLOW, A. W. Pulpwood chips, a sawmill by-product. Pulp & Paper Mag. Canada 52(13):101-102. Dec. 1951. 302.8 P96

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3035. GUERNSEY, F. W. Wood waste as a source of pulp on the Pacific Coast. Brit. Columbia Lumberman 32(9):66, 107-103, 110, 112. Sept. 1948. 99.81 B77

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3037. HAMMOND, R. N. Wood waste consumption in the Pacific Coast chemical pulp industry. Brit. Columbia Lumberman 35(5):41-44. May 1951. 99.81 B77

3038. HOLCOMBE, R. A. The use of hardwoods in the pulp and paper industry. South. Hardwood Digest 2(9):5-9, 22. Feb. 1949. 99.81 S085

3039. LEWIS, H. F. Redwood as a potential source of pulp. Tappi 34(9):335-390. Sept. 1951. 302.3 T162

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3040. MACHELL, E. F. Handling of wood waste chips at Harmac. Pulp & Paper Mag. Canada 53(7):122-124. June 1952. 302.3 P96

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3041. SEABORNE, R. L. Utilization of sawmill slabs and edgings. Forestry Chron. 24:263-265. Dec. 1948. 93.3 F7623

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3042. SPROULL, R. C., METHVIN, L., and HARD, H. G. Kraft pulp from old railway ties. Canad. Pulp & Paper Indus. 3(12):6-7, 39. Dec. 1950. 302.8 W52

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3043. WELLS, S. D. The utilization of hardwood species in northern Michigan by manufacturing into pulp and paper. Paper Mill News 72(16):10,12. Apr.16,1949. 302.8 P195

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3044. ANNETT, S. R. P., and STOBO, W. E. Utilization of sulfite pulp mill wastes and their markets. Paper Indus. 34:1109-1111. Dec.1952. 302.8 P1923

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3045. ARIES, R. S., and POLLAK, A. Commercial lignins. Noeast. Wood Util. Council B. 29,23 p. Ref. July 1949. 99.9 N819

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3046. ARIES, R. S. Research on lignin as a soil builder. Noeast. Wood Util. Council B. 33:45-53. Jan. 1951. 99.9 N819

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3047. BENSON, H. K. Products from pulp and pulpwood on Pacific Coast. Tappi Tech. Assoc. Papers 31: 641-645. June 1943. 302.9 T22

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3048. EDWARDES, V. P. Does waste sulfite liquor have recovery value? Wastes Engin. 23:515-516,572. Oct.1952. 449.8 M92

3049. EDWARDES, V. P. Wood [pulpwood] room losses and their control. Paper Trade J. 130(24):92,94. June 15,1950. 302.8 P193

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3050. FRENCH, L. C. A burning attack on pollution. Amer. Forests 57(2):22-23,32,34-35. Feb.1951. 99.8 F762

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3051. ROSS, L. T. Chemurgic progress in the forests. Chemurg. Digest 5(6):20-23. June 1949. 3:1 N213Na

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3052. SHERMAN, W. A. Use of sulphite waste liquor as road binder. Paper Trade J. 131(15):19-20,22,24,26, 28. Oct.12,1950. 302.8 P195

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3053. AMIDON, G. B. Pulpwood supply situation in the Lake States. Amer. Pulpwood Assoc. Annu. Mtg. 14: 11-13. 1948. 99.9 Am33

3054. BALLANTINE, A. C. Fire-killed timber proves Alberta's pulpwood potentials. West. Pulp & Paper 2(1): 26-28. Jan.1949. 302.8 W52

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3055. BROWN, C. O. Pulpwood supply situation and problems facing production; summary. Amer. Pulpwood Assoc. Annu. Mtg. 14:28-29. 1948. 99.9 Am33

3056. CLOUSER, R. W. Local pulpwood. Forest Leaves 38:3,5. Jan./Feb.1948. 99.8 F763

3057. CONNECTICUT. STATE FORESTER. Pulpwood supply in Connecticut. Conn. Woodlands 13:7. Jan.1948. 99.8 C76

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3058. CRUICKSHANK, J. W. Southern pulpwood production and the timber supply. U. S. Forest Serv. Southeast. Forest Expt. Sta. Forest Survey Release 24,12 p. Feb. 15,1948. 1.9622 A3F76

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3059. CUNNINGHAM, R. N. Ownership and availability of Lake States pulpwood. Paper Trade J. 127(2): 37-39. July 8,1948. 302.8 P196

3060. DEMERITT, D. B. A brief summary of pulpwood production in the Northeast. Paper Trade J. 131 (22):103-109. Nov.30,1950. 302.8 P193

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3061. ERICKSON, H. D. Pulpwood in the State of Washington; consumption, species, classes of wood, and trends. Wash. Inst. Forest Prod. New Wood-Use Ser. C. 7,21 p. Jan.1950. 99.9 W278N

3062. EVEREST, D. C. The role of pulpwood in mobilization. Fibre Containers 35(3):24,25,31. Mar.1951. 286.3 F44

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3063. FOGH, I. F. Pulpwood supply situation and problems facing production, Canada. Amer. Pulpwood Assoc. Annu. Mtg. 14:20-24. 1948. 99.9 Am33

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3064. FOREMAN, B. L. Lodgepole pine and the potential pulp industry in Montana. Missoula, 1950. 55 p. Ref.

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Contents: The problem and its importance; Present pulping methods; Previous investigations in using Montana lodgepole pine as a pulp species; Previous experience with, and advantages of, lodgepole pine as a source of pulpwood; The advantages in using lodgepole pine as a pulpwood locally rather than as a raw material for export; Determination of the type of pulp mill to establish; The competitive position of a sulphate mill in Montana; The local wood supply available for a pulp mill; Additional basic requirements for pulp mill establishment; Actual mill sites in eastern Montana.

3065. GIDDINGS, E. L. Resources for the chemical industry in the United States: New England. Timber resources. Indus. & Engin. Chem. 44:2527-2529. Nov. 1952. 331 J825

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3066. HARPER, V. L., and RETTIE, J. C. The wood supply situation in New York State, with special reference to wood for pulping. U. S. Forest Serv. Noeast. Forest. est. Expt. Sta. Paper 29,14 p. Oct.1949. 1.9622 N2St22

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3067. HODGINS, H. J. Trends in the supply of raw material for the pulp industry in British Columbia. Forestry Chron. 25:136-137. June 1949. 99.8 F7623

3068. HUTCHISON, S. B., and WIKSTROM, J. H. Resource factors affecting the feasibility of pulp mills in eastern Montana. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Sta. Paper 34,35 p. Ref. July 1952. 1.9622 N3St1

Contents: Pulpwood timber resources; Estimated procurement costs; Details of yield and cost calculations.

3069. ISENBERG, I. M. Pulpwoods of United States and Canada. Ed. 2. Appleton, Wis., Inst. of Paper Chem., 1951. 187 p. Ref. 99.31 Is2

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3070. KOROLEFF, A. Woodlot as our source of pulpwood. Pulp & Paper Mag. Canada 51(9):133-134. Aug. 1950. 302.8 P96

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3071. MCCAFFREY, J. E. Southern pulpwood supply situation. Amer. Pulpwood Assoc. Annu. Mtg. 14:25-27. 1943. 99.9 Am33

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3072. MCEWEN, J. M. Procurement of west coast pulpwoods. Tappi 32:544-546. Dec.1949. 302.8 T162

3073. MOIR, S. The pulpwood situation in the Pacific Northwest. Paper Mill News 74(28):124,126,128,130,158. July 14,1951. 302.8 P195

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3074. O'NEIL, F. W. We have pulpwood in New York State. Tappi 34(8):26A,28A,30A,32A. Aug.1951. 302.8 T162

3075. PERRY, H. J. The wood supply. Paper Trade J. 135(20):102,104,107-110. Nov.14,1952. 302.8 P196
Pulpwood resources of the United States.

3076. PESEZ, G. A. Industry's role as related to New York State's pulpwood supply. Tappi 34(8):20A,22A, 24A. Aug.1951. 302.8 T162

3077. RECKNAGEL, A. B. Possible uses of hardwoods from farm woodlots for pulp. Vt. Wood Prod. Conf. Rpt. 12:15-17. 1952. 99.9 V594

The supply and utilization situation in New England and northern New York.

3078. SASKATCHEWAN. DEPT. OF NATURAL RESOURCES AND INDUSTRIAL DEVELOPMENT. The pulpwood resources of Saskatchewan. Pulp & Paper Mag. Canada 49(11):146,148. Oct.1948. 302.8 P96

3079. STOVER, W. S., and SAND, N. H. Pulpwood and pulp industry in the South. Nav. Stores Rev. 58(6):14-16, 26-27. May 8,1948. 99.81 N22

3080. U. S. CONGRESS. SENATE. SPECIAL COMMITTEE TO STUDY PROBLEMS OF SMALL BUSINESS. Survey of Alaskan newsprint resources. Interim report... pursuant to S. Res. 20. 80th Cong., 2d sess., S. Rpt. 852, 6 p. 1948. Leg. Rptg. Serv.

3081. U. S. FOREST SERV. Availability of pulp timber in Colorado and eastern Montana. Washington,1948. 6 p. 1.962 A2Av1

Resource, accessibility, and producer information for prospective pulpwood consumers.

Statistics of Production, Consumption,
and Stocks

(Pulpwood, Pulp, and Paper)

3082. AMERICAN PAPER AND PULP ASSOCIATION. Monthly statistical summary, 26(1)-30(12). Jan.1948-Dec.1952. 302.9 Am3M

Production, price indexes, trade, inventories, and basic-demand tabulation. Pulpwood situation by regions.

3083. AMERICAN PAPER AND PULP ASSOCIATION. The statistics of paper. Ed. 2. New York,1949. 63 p. 302 Am32St

Contents: Pulpwood (receipts, consumption, inventories, trade statistics); Wood pulp (production, trade, supply); Waste fibrous materials; Paper, board, and paper products.

3084. CANADA. DOMINION BUR. OF STATISTICS. The pulp and paper industry, 1947-51. Ottawa,1948-52. 5 v. 302.9 C162

Text also in French. 1947 report considered preliminary.

Includes statistical information on the following: Canada's leading industry; value; number of establishments; production; consumption (including pulpwood species); equipment and mill capacity; employment; trade.

3085. CANADIAN PULP AND PAPER ASSOCIATION. Canadian wood pulp data, 1952. Montreal,1952. 31 p. 302.9 C16C

Contents: The pulp and paper industry in Canada; Wood pulp production; Consumption; Exports; The United States market; World pulp markets.

3086. CANADIAN PULP AND PAPER ASSOCIATION. World wood pulp data, 1947/48-1949/50. Montreal,1948-50. 3 v. 302.9 C16W

United States Pulp Producers Association, cooperating.

Production, consumption, mill capacities, and grade of product.

3087. CANADIAN PULP AND PAPER ASSOCIATION. Reference tables. Montreal,1951. 34 p. 302.9 C16R
Canada Bureau of Statistics, cooperating.

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3033. DICKERMAN, M. B. Pulpwood production on the increase. U. S. Forest Serv. North. Rocky Mountain Forest & Range Expt. Sta. Res. Note 73,1 p. May 1949. 1.9622 N3R31

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3089. HORN, A. G. Aspen takes lead as pulping species in Lake States. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 288,2 p. Jan.1948. 1.9 F7625T

Includes statistics of production, consumption, and imports, by pulpwood species, 1946; 1947 pulpwood statistics are in Technical Note 301,2 p. Oct.1948; 1948 statistics are in Technical Note 320,2 p. July 1949; 1949 statistics are in Technical Note 336,2 p. July 1950; 1950 statistics are in Technical Note 361,2 p. Oct.1951; 1951 statistics are in Technical Note 384,2 p. Oct.1952.

3090. MARATHON CORPORATION. Consumption of paper and paperboard compared with population and national income [1932-48]. Fibre Containers 34(1):40-43. Jan.1949. 286.8 F44

Also in Unit 28:26. Sept.1949. 99.9 Un34

3091. NEWSPRINT ASSOCIATION OF CANADA.

Newsprint data, 1948-52. Montreal,1948-52. 5 v. Libr. Cong.

Statistics of consumption, production, and supply for the world, the United States, and Canada.

3092. RITCHIE, J. L. Wood pulp and pulpwood statistics. Fibre Containers 33(8):131-137. Aug.1948. 286.8 F44

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3093. STATISTICAL PAPER GROUP. Statistical yearbook, 1949/51. Chicago,1952. 21 p. 302.9 St2

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3094. STEVENSON, L. T. An index of the basic demand for paper. Ed. 2. New York,Amer. Paper & Pulp Assoc.,1949. 19 p. 302 St44I

3095. STEVENSON, L. T. The interpretation of the basic demand charts [American Paper and Pulp Association]. South. Pulp & Paper Mfr. 12(4):52. Apr.15,1949. 302.8 So8

3096. U. S. BUR. OF THE CENSUS. Facts for industry. Ser. M14A. Pulp, paper and board. Jan.1948-Dec. 1952. 157.41 F1137

Monthly with an annual summary, which sometimes appears as Series M14D or M14F. In March, 1950, title changed from Pulp and paper manufacture in the United States.

3097. U. S. DEPT. OF COMMERCE. World pulpwood and woodpulp statistics, 1925-1949, by J. J. Sullivan. Washington,1951? 154 p. 157.1 W89

Compiled for the U. S. National Security Resources Board.

U. S. Forest Service Division of Forest Economics, cooperating.

Chiefly statistical tables: Pulpwood resources, production, consumption and related information; also for pulp. The introductory text deals with requirements, resources, pulpwood procurement, and pulp-industry situations.

3098. U. S. FOREST SERV. DIV. OF FOREST ECONOMICS. Wood pulp production in the United States by regions, 1947. Washington,1950. Map. 1.962 F4V55

Includes number of mills involved in the regional production statistics.

3099. U. S. FOREST SERV. SOUTHEASTERN FOREST EXPERIMENT STATION. [Pulpwood production in the South and Southeast]. Asheville,1948-52.

1947 production by county in the Southeast, by J. F. McCormack. U. S. Forest Serv. Southeast. Forest Expt. Sta. Forest Survey Release 27,18 p. Aug.10,1948.

1.9622 A3F76; 1948, by J. W. Cruikshank. Forest Survey Release 28,14 p. June 1,1949; 1949 production for the South, by J. W. Cruikshank. Forest Survey Release 35,

26 p. Sept.1950; 1951 production for the South, by J. W. Cruikshank. Forest Survey Release 38,28 p. July 1952; 1939-51 production for the Southeast, by J. W. Cruikshank. U. S. Forest Serv. Southeast Forest Expt. Sta. Res. Notes 12,2 p. July 1952. 1.9622 S4R312

3100. U. S. FOREST SERV. SOUTHERN FOREST EXPERIMENT STATION. Pulpwood production and use in southern Forest Survey territory, 1946, by W. S. Stover. U. S. Forest Serv. South. Forest Expt. Sta. Forest Survey Release 56,20 p. May 1948. 1.9 F7624F

Pulp mills and their capacity; pulpwood production; and pulpwood movement. Statistics for 1947 are analyzed in Release 53, by W. S. Stover and A. L. Tofte, 16 p. Dec. 1948; Statistics for 1948, by A. L. Tofte and W. S. Stover, in Release 61,16 p. June 1949; Statistics for 1950, by W. S. Stover, in Release 69,27 p. Oct.1951; Statistics for 1951, by W. S. Stover, in the station's Southern Forestry Notes 30:1-2. July 1952. 1.9 F7624S

3101. U. S. NATIONAL PRODUCTION AUTHORITY. Pulp, paper and board industry report, [v. 4, no. 1] - v. 8 no. 4. Jan.1948-Dec.1952. 157.54 In26
Quarterly, with an annual review number. Usually contains an economic review by W. L. Neubrech. Monthly, with quarterly and annual reviews, until 1950, when the issuing office was U. S. Office of Industry and Commerce, Forest Products Division. Typical contents are statistics of receipts, consumption, and inventories of pulpwood, pulp, paper and board products; trade statistics; production statistics; wholesale price index numbers.
3102. UNITED STATES PULP PRODUCERS ASSOCIATION, INC. Wood pulp statistics. New York, 1952. 227 p. 302.9 Un32U
A record collected from several sources over several years, indicating trends and providing statistics of consumption, receipts, and inventories of pulpwood; production, capacity, supply, consumption, trade and prices of pulp; supply and capacity in the paper industry; and statistics for the dissolving pulp industries. Covers the world market, including Canada.

Marketing Pulpwood, Pulp, and Paper

3104. ACH, E. K. Conservation and wood procurement. Unit 37:20-22. June 1951. 99.9 Un34
Marketing pulpwood.
3105. ADAMS, N. W. Markets and marketing, the key to better woodlot management. Pulp & Paper Mag. Canada 53(13):121-122. Dec.1952. 302.8 P96
Chiefly problems of pulpwood marketing in farm woodlots of eastern Canada.
3106. ALASKA pulpwood sale completed by U. S. Forest Service. J. Forestry 49:761. Oct.1951. 99.8 F768
3107. ARIES, R. S., and COPULSKY, W. The market for bleached sulphite pulp. Pulp & Paper Mag. Canada 50(12):88-90. Nov.1949. 302.8 P96
3108. BRABENDER, G. J. Pulpwood measurement problems and methods. Tappi 32:337-339. Aug.1949. 302.8 T162
Marathon Corporation studies of the procurement problem; amount of pulp in a unit of pulpwood purchased at a certain price.
3109. FRAZIER, J. R. Pulpwood marketing procedures in South Carolina. Durham, 1948. 75 p.
Thesis (M.F.) - Duke University.
3110. MARGOLIN, E., and MCLENDON, W. P. Transportation factors in the marketing of newsprint. U. S. Dept. Com. Off. Transport. Transport Ser. 2,126 p. 1952. Libr. Cong.
- Includes the problems of Canadian-United States marketing as well as those within the United States only.
3111. U. S. FOREST SERV. Sale prospectus, 1,500,000,000 cubic feet, Ketchikan Pulpmill Unit, Tongas National Forest, Alaska. Washington, 1948. 22 p. 1.962 A2Sa32
3112. VON BLOCK, B. W. The newsprint "gray" market in the United States. Pulp & Paper Mag. Canada 50(9):70-73. Aug.1949. 302.8 P96
3113. WEPFER, J. Small landowner's attitude toward cutting pulpwood. Unit 32:6-8. Aug.1950. 99.9 Un34
Landowner-contractor relations; returns from careful cutting practices.

Prices of Pulpwood, Pulp, and Paper

3114. AMERICAN PAPER AND PULP ASSOCIATION. American Paper and Pulp Association indexes of average value per ton for the paper industry. Ed. 2. New York, 1951. 13 p. 302 Am32A
3115. PAPER MILL NEWS. Raw materials prices. Paper Mill News 71(1)-75(52). Jan.3,1948-Dec.27,1952. 302.8 P195
Weekly prices ranges, quoted per ton f.o.b., including foreign and domestic wood pulp.
3116. TURPIN, D. H. Pulpwood price trends in the Southeast. Durham, 1950. 11 p.
Thesis (M.F.) - Duke University.
Prices f.o.b. cars for pine pulpwood, paid by Union Bag & Paper Corp., 1937-49. Includes the effect of regulations by the U. S. Office of Price Administration.
3117. U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY ANTITRUST SUBCOMMITTEE. Newsprint price rise. Report (pursuant to H. Res. 95). 82d Cong., 2d sess., H. Rpt. 503(3), 5 p. 1952. 284.377 Un34

3118. U. S. FOREST SERV. DIV. OF FOREST ECONOMICS. Pulpwood prices since 1899. Washington, 1950. 6 p. FS
Prices per cord, f.o.b. mill and car, derived from U. S. Bureau of the Census, U. S. War Production Board, and U. S. Forest Service sources.
3119. WALDO, H. C. Pulpwood price control. Paper Trade J. 135(1):31-32, 34-35. July 4, 1952. 302.8 P196
Foreign Trade in Pulpwood, Pulp and Paper
3120. LAGERLOEF, E. G. Import and export trade of the United States paper industry. Paper Indus. & Paper World 30:725-728. Aug.1948. 302.8 P1923
3121. *PARKER, C. G. The history and work of the Import Committee of the American Paper Industry. 1951. 11 p.
3122. U. S. OFF. OF INTERNATIONAL TRADE. World trade in commodities, Pt. 10, Pulp and paper, 6(1)-10(21). Jan.1948-Aug.1950. 157.54 W8972

DISSOLVING PULP

(See also under PULP AND PAPER)

3123. ARIES, R. S., and COPULSKY, W. The market for dissolving wood pulp. Paper Trade J. 130(2):29-33. Jan.12, 1950. 302.8 P196
Also in Pulp & Paper Mag. Canada 51(2):47-51, 120. Feb.1950. 302.8 P96
Condensation of a comprehensive report by R. S. Aries & Associates.
Contents: The supply and demand situation; Prices; Cotton linters as a competing product; The rayon industry as a consumer; Cellophane and other uses; The overall market and consumption picture. Contains statistical tables.
3124. ARMSTRONG, G. S., & CO. An engineering interpretation of the economic and financial aspects of American industry. 8, The synthetic fibers industry. New York, 1948. 65 p. Libr. Cong.
Lists rayon producers, and gives statistics of production; also consumption and prices of woodpulp, in viscose and acetate process rayons.
3125. LOGAN, D. V. Dissolving pulp from southern hardwoods. J. Forestry 50:483. June 1952. 99.8 F768
Includes discussion of southern industries which are producing the dissolving pulp from hardwoods.
3126. *MCINDOE, W. C. Cellophane industry in the West. Paper Indus. 33(7):780-784; (8):934-936; (9):1059-1061. Oct.-Dec.1951. 302.8 P1923
3127. MYERS, W. J. Dissolving wood pulp; its development and its utilization. South. Pulp & Paper Mfr. 12(10):50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74. Oct.1, 1948. 302.8 S08
3128. RAYON ORGANON. Representative U. S. prices dissolving wood pulp. Rayon Organon 19:115; 20:95. 1948, June 1949. 304.8 T3128
1940-48 survey.
3129. SMITH, R. A. The Celanese adventure. Fortune 46(2):100-105, 135-136, 133, 140, 142. Aug.1952. 10 F722
Celanese Corporation of America and its Canadian combine for producing pulpwood and cellulose acetate.
3130. TEXTILE ORGANON. Base book of textile statistics. Textile Organon 23, 48 p. Jan.1952. 304.8 T3128
P. 22 presents statistics for woodpulp consumption by the rayon industry, 1930-50; and representative prices of dissolving woodpulp, 1929-50.
3131. TEXTILE ORGANON. Cellulose consumption by the rayon ... industry. Textile Organon 19-23. Mar.1948-52. 304.8 T3128
March issues contain statistical summaries of woodpulp consumed.
Periodical known as Rayon Organon until 1952.
3132. VINCENT, R. Acetate pulp plays an increasing role in modern living. Canad. Pulp & Paper Indus. 4(6): 34, 36. June 1951. 302.8 W52
Production, capacity, and requirements of North American dissolving pulps.
3133. VINCENT, R. Dissolving pulp market. Pulp & Paper 25(6):60, 62. June 1951. 302.8 P11

*Not examined.

3134. VINCENT, R. Non-paper cellulose, rayon, acetate, cellophane, plastics, etc. Pulp & Paper 26(7): 142-143, 145-146. July 1, 1952. 302.8 P11

In addition to statistical information about production, consumption, and trade in wood cellulose and the rayon industry, discusses the expansion of the industry in the United States and Canada.

3135. WILLIAMS, S. The use of wood pulp in the manufacture of synthetic textile fibers. Wash. U. Forest Club Q. 22(1):8-16. Dec. 1948. 99.9 W275Q

Charts illustrate production, and consumption of pulp for rayon over the approximate period 1930-50.

FIBERBOARD, HARDBOARD, WALLBOARD

(See also under PULP AND PAPER)

3136. ANDERSON, A. B., and RUNCKEL, W. J. Utilization of Douglas fir bark in hard-board. Portland, Ore. Lumber Co. Res. Lab., 1951? 17 p. 99.77 An2

Includes a section on economic advantages of the process which includes slab as well as bark utilization.

3137. CANADA. DOMINION BUR. OF STATISTICS. Rigid insulating board industry. Canada. Dominion Bur. Statis. D.B.S. Memo. 13-4430, 5 v. Jan. 1948-Dec. 1952. 253 St263

Monthly statistics of production and sales.

3138. CAUGHEY, R. A. Synthetic board materials from wood waste. South. Lumberman 181(2269):38-39. Oct. 15, 1950. 99.81 So32

Includes economic comparisons of wastewood boards and lumber.

3139. ELMENDORF, A. Manufacture of hardboard out of wood waste. Forest Prod. Res. Soc. J. 2(4):7-9. Nov. 1952. 99.9 F7662J

Includes estimated manufacturing costs of several kinds of hardboard, and discusses availability of mill wastes.

3140. ELMENDORF, A. Hard facts on hardboard. Wood [Chicago] 4(12):20, 43; 5(1):30, 40-42. Dec. 1949-Jan. 1950. 99.82 W359

Analysis of estimated manufacturing costs. Includes wood-waste utilization aspects.

3141. ELMENDORF, A. Wood fibers from veneer waste. Forest Prod. Res. Soc. Proc. 3:53-57. 1949. 99.9 F7662P

3142. GRONDAL, B. L., and ERICKSON, H. D. Wallboard from wood. West Coast Lumberman 76(2):130-131. Feb. 1949. 99.81 W52

The industry in the Pacific Northwest.

3143. HARDBOARD—the forest industries' latest major development. Lumberman 78(3):103, 122, 124. Mar. 1951. 99.81 W52

Includes directory of plants manufacturing hardboard, and some statistical information on costs, the latter taken from item 3143 in this bibliography.

3144. LEWIS, W. C. The hardboard industry in the United States. Forest Prod. Res. Soc. J. 2(4):3-6, 68. Nov. 1952. 99.9 F7662J

3145. LONG, W. There is no mystery about hardboard. Lumberman 78(3):106, 108, 110, 124. Mar. 1951. 99.81 W52

Estimates the costs of hardboard-plant establishment.

3146. NICKERSON, J. A. Demand for wallboard from [a retail] dealer's standpoint. Noeast. Wood Util. Council B. 31:15-23. Jan. 1950. 99.9 N819

3147. NORTHEASTERN WOOD UTILIZATION COUNCIL. Wallboard production and uses. Noeast. Wood Util. Council. B. 31:183 p. Jan. 1950. 99.9 N819

Papers and discussion from Cambridge, Mass., conference, of which Harvard University is co-sponsor. Various technical processes and commercial types of wallboard, with some cost discussion.

3148. OTHMER, D. F., and RICCIARDI, L. G. Wallboard from wood waste without resins by a dry process. Noeast. Wood Util. Council B. 31:59-77. Jan. 1950. 99.9 N819

Includes a history of the wallboard industry, statistics of production, cost analysis of dry process, prices, and commercial development.

3149. U. S. FOREST SERV. FOREST PRODUCTS LABORATORY. Small-scale manufacture of insulating boards from wood wastes. U. S. Housing & Home Finance Agency HHFA Tech. B. 5:39-61. July 1948. 173.3 H11

Also in South. Lumberman 177(2219):42, 44, 46, 48, 50, 52, 54, 56. Sept. 15, 1948. 99.81 So82

Includes cost estimates.

3150. VANCE, P. N. Wood wastes used in the manufacture of Fir-Tex insulating board. Wash. U. Forest Club Q. 23:19-21. Dec. 1949. 99.9 W275Q

OTHER CHIPPED, SHREDDED,
OR GROUND PRODUCTS

3151. BOWEN, P. P. Manufacture and use of wood flour. South. Lumberman 176(2212):66, 68. June 1, 1948. 99.81 So82

Also in Forest Prod. Res. Soc. Proc. 2:276-279. 1948. 99.9 F7662P; Barrel, Box & Packages 53(4):11-14. Apr. 1948. 99.82 B27; Pulp & Paper Mag. Canada 49(7):100-101. June 1948. 302.8 P96; Plastics [Chicago] 9(2):14, 21, 26. Nov. 1949. 309.8 P696

3152. CANADA. DOMINION BUR. OF STATISTICS. Excelsior, 1946-50. Ottawa, 1948-52. 6 v. (Census of Industry) 253 C332I Excelsior

3153. GARDNER, M. D. Grade costs in wood flour manufacture. N.A.C.A. B. 32:309-316. Nov. 1950. Libr. Cong.

Distribution of raw-materials costs and labor costs. System results in gross-profit data for the use of management.

3154. GARLAND, H. Aspen for excelsior. U. S. Forest Serv. Lake States Forest Expt. Sta. Aspen Rpt. 16, 10 p. Ref. June 1949. 1.9622 L2L14

The excelsior industry in the Lake States.

3155. HALL, J. A. Wood fibre—creatable resource of wide utility. United Nations. Sci. Conf. Conserv. & Util. Resources. Proc. 1(1949):133-143. 1950. 279.9 Un32P

3156. HORN, A. G. Lake States operators increase cut of excelsior wood, 1946. U. S. Forest Serv. Lake States Forest Expt. Sta. Tech. Note 294, 1 p. Apr. 1948. 1.9 F7625T

Production and consumption by species.

3157. JOHNSTON, J. G. The manufacture of excelsior in North Carolina. Durham, 1949. 24 p. Ref. Thesis (M.F.) - Duke University.

3158. JONES, R. E. Uses and manufacture of wood flour. Forest Prod. Res. Soc. J. 2(2):63-64. June 1952. 99.9 F7662J

Status of the industry in the United States.

3159. LETTS, W. W. Briquets [Letts Burnets] from sawdust, bark and other waste. Noeast. Wood Util. Council B. 35:73-77. June 1951. 99.9 N819

3160. LOCKARD, C. R., and HRUBESKY, C. E. The saturating felt industry in the Northeast as a market for wood chips. Noeast. Wood Util. Council. B. 33:107-116. Jan. 1951. 99.9 N819

U. S. Forest Service Northeastern Forest Experiment Station and Forest Products Laboratory, cooperating. Uses of feltwood, raw-materials requirements, operation problems, species used, wood procurement and marketing.

3161. MORBECK, G. C. Excelsior manufacture. U. S. Forest Serv. Forest Prod. Lab. R. 711, 3 p. May 1948. 1.9 F761R

3162. MORGAN, J. T. The production of wood chips for coarse fiber in the Central States region. U. S. Forest Serv. Cent. States Forest Expt. Sta. Tech. Paper 111, 31 p. Feb. 1949. 1.9622 C3T222

Contents: Introduction (utilization of farm wood waste); Roofing felt; Roundwood from the forest (production per man-day, transportation, chipping); Sawmill and other manufacturing waste; Summary and conclusions. Costs are a primary consideration throughout.

3163. NORTHEASTERN WOOD UTILIZATION COUNCIL. Chipped wood production and uses. Noeast. Wood Util. Council. B. 33:135 p. Jan. 1951. 99.9 N819

Papers and discussion from a conference held in Marlboro, Vt., jointly with U. S. Soil Conservation Service representatives, Pulp and Paper Research Institute of Canada, and others.

3164. NORTHEASTERN WOOD UTILIZATION COUNCIL. Marketing sawdust and chipped wood. Noeast. Wood Util. Council B. 38, 24 p. Mar. 1952. 99.9 N819

A directory of people to contact regarding poultry and livestock-bedding shortages in counties of New England and New York.

VENEER AND PLYWOOD

3165. BENE, J. Douglas fir substitutes for the British Columbia plywood industry. Forest Prod. Res. Soc. Proc. 4:328-331. 1950. 99.9 F7662P
Also in Wood Working Digest 53(4):131-132,137-138,140, 142. Apr.1951. 99.82 W87
Discusses substitutes for Douglas-fir in face-veneer stock. Reviews tree and log specifications for suitable face-veneer bolts.
3166. BENE, J. Manufacturing problems of the plywood industry. Lumberman 73(3):118,120. Mar.1951. 99.81 W52
Costs, productivity, and quality considerations.
3167. BENE, J. Problems facing the plywood industry. Forestry Chron. 27:58-63. Mar.1951. 99.8 F7623
Chiefly in British Columbia.
3168. BENE, J. The west coast plywood industry and foreign competition. Forest Prod. Res. Soc. J. 1(1):128-131. Sept.1951. 99.9 F7662J
3169. BENE, J. World plywood survey. Lumberman 78(7):88-90. July 1951. 99.81 W52
The place of west coast plywood manufacture in the world picture.
3170. BLACKSHEAR, M. H. The southern plywood industry today. West Coast Lumberman 75(2):60,140. Feb.1948. 99.81 W52
3171. BLYTH & CO., INC. Georgia-Pacific Plywood Company; a brief report. New York?1951. 24 p. 99.76 B62
3172. CALIFORNIA'S plywood industry. West Coast Lumberman 76(2):104,106,108. Feb.1949. 99.81 W52
3173. CANADA; DOMINION BUR. OF STATISTICS. Preliminary report on the veneers and plywood industry in Canada, 1948-50. Ottawa,1950-52. 3 v. (Census of Industry) 253 C332I Veneers
3174. CLENDENAN, E. F. Plywood history reveals many interesting trends. Canad. Woodworker 51:42-43, 62,71. Jan.1951. 99.82 C162
3175. DEVLIN, C. E. The softwood plywood market—present and future. South. Lumberman 181(2264):58,60, 62,64. Aug.1,1950. 99.81 So82
Also in Forest Prod. Res. Soc. Proc. 4:365-371. 1950. 99.9 F7662P; Timber Canada 11(10):30-33,64-68. June 1951. 99.81 T487
3176. DIETTERICH, C. W. Plywood with a southern accent. Gulf Coast Lumberman 38(8):20. July 15,1950. 99.81 G95
The industry in the South.
3177. DIETZ, A. G. H. High-grade and low-grade lumber in glued laminated members. Noeast. Wood Util. Council B. 22:37-44. Apr.1948. 99.9 N819
3178. DIXON, H. C. Plywood, 1949 report. Pacific Purchasor 31(8):32-35. Aug.1949. 280.8 P112
Discusses availability, grading, and manufacturing progress.
3179. DOUGLAS FIR PLYWOOD ASSOCIATION. Facts about Douglas fir plywood. Tacoma,1948. 23 p. 99.77 D75F
Production, costs, and consumption statistics for the industry.
3180. FINLEY, W. C. Annual forestry report. Chicago,Veneer Assoc.,1952. 20 p. 99.9 V552
American Walnut Manufacturers Association, cooperating.
Contains a report on the hardwood-veneer industry's forest-management programs, U. S. Forest Service research programs to promote hardwood utilization in the Midwest, cutting standards for veneer logs, and lists of industrial firms and public agencies cooperating in the programs.
3181. FLEISCHER, H. O. Use of small logs for veneer. Forest Prod. Res. Soc. J. 2(1):33-36. Apr.1952. 99.9 F7662J
The use of smaller diameters in hardwoods.
3182. GRANBERG, W. J. Worker-owned ply plants. Wood [Chicago] 5(12):23,40. Dec.1950. 99.82 W859
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3183. HAWES, R. N. Foreign competition threatens hardwood plywood industry. South. Lumber J. 56(7):56, 58. July 1952. 99.81 So8
3184. HERTZLER, R. A. Southern hardwoods for veneer and plywood. South. Lumberman 182(2279):44,46, 48,50. Mar.15,1951. 99.81 So82
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3185. HYLER, J. E. Log sizes and [veneer] lathe sizes. South. Lumberman 183(2290):57,59-50. Sept.1, 1951. 99.81 So82
3186. KOTOK, E. S. Peeler log potential of southwestern Oregon. Timberman 51(3):46-47. Jan.1950. 99.81 T484
3187. LUMBERMAN. Annual plywood, veneer, and hardboard review number. Lumberman 75(2)-79(3). 1948-52. 99.81 W52
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3188. NICHOLS, D. E. The use of trees for forest products: Veneer and plywood. Forest Farmer 10(2):4, 10. Nov.1950. 99.8 F7692
Swamp hardwoods with potential market value.
3189. PLYWOOD aims at stability; U. S. Plywood price guarantee. Business Wk. 1180:101-102,104. Apr.12,1952. 280.8 Sy8
3190. PLYWOOD co-ops; worker-owned mills are on the rise on the west coast. Business Wk. 1062:66. Jan.7,1950. 280.8 Sy8
3191. RITCHIE, J. D. Future of plastic surfaced Douglas fir plywood. Forest Prod. Res. Soc. Proc. 4: 347-351. 1950. 99.9 F7662P
Includes effect on peeler-log recovery and on the plywood industry in general.
3192. RODDIS PLYWOOD CORPORATION. Characteristics of modern woods. Ed. 3. Marshfield,Wis.,1950. 54 p. 99.79 R61
Includes flitch-price estimates for certain foreign woods imported for veneer manufacture.
3193. SAKS, E. V. Good peeler bolts are basis for fine veneer. Veneers & Plywood 45(1):10-12. Jan.1951. 99.82 V55
Includes yellow-birch-peeler-bolt grades, and discusses quality requirements of the industry in the United States and Canada.
3194. SAKS, E. V. Maple deserves the nod in search for new veneer stock. Veneers & Plywood 46(8):14-15. Aug.1952. 99.82 V55
Includes identification and specifications for birds-eye-maple logs.
3195. SAKS, E. V. Plywood production compared; a study of both American and European methods of modern plywood production. Timber Canada 10(8):31-33,61-62, 64,66. Apr.1950. 99.81 T487
3196. SAKS, E. V. Possibilities in plywood industries. Timber Canada 12(2):27-29,47-49,52; (3):26-28,56-57; (4):25-27. Oct.-Dec.1951. 99.31 T487
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Plant layout and problems, tree quality, species requirements, grading birch veneer bolts, and industrial practices.
3197. SAKS, E. V. White birch moves to the veneer front in Canada. Veneers & Plywood 45(9):26,28-29. Sept.1951. 99.82 V55
Also discusses the yellow-birch-veneer industry in Canada.
3198. SCHRADER, O. H. The Douglas fir plywood industry and its raw material supply. West. Forestry & Conserv. Assoc. Proc. 42:62-66. 1951. 99.9 W522
3199. SCHRADER, O. H. Nineteen fifty—a year of great expansion and development in Douglas fir plywood industry. Lumberman 73(3):69-70,127. Mar.1951. 99.81 W52
Includes a statistical table showing the number of plywood plants in Oregon, Washington, and California, and their production over a period of years.
3200. THURNER, J. T. Should I use high frequency? South. Lumberman 176(2204):49-50,52. Feb.1,1948. 99.81 So82
Operating costs for an electronic gluing system in woodworking and plywood manufacture.
3201. TIMBERMAN. Annual plywood review, 17-21. Timberman 49(3)-54(3),5 v. Jan.1948-52. 99.81 T484
January issues review the west coast plywood industry, give statistics of production, stocks, plants, and consumption, and contain a directory of veneer and plywood producers.
3202. TRENDS in plywood grade percentages. Lumberman 77(3):58A. Mar.1950. 99.81 W52
3203. U. S. BUR. OF THE CENSUS. Facts for industry. Ser. M13A. Hardwood veneer and plywood. 1951-52. 157.41 F1178
Quarterly, with annual summary.
Veneer and plywood production; log consumption; core-material consumption; glue consumption, and stocks.

3204. U. S. BUR. OF THE CENSUS. Facts for industry. Ser. M13B. Softwood plywood. Jan.1948-Dec.1952. 173.409 F11S

Monthly, with annual summary.

Statistics of production, shipment, consumption, and stocks; and consumption and stocks of veneer logs; consumption and stocks of glue. Occasional issues have hardwood plywood information, originating on the west coast.

3205. U. S. FOREST SERV. DIV. OF FOREST ECONOMICS. Veneer log production in the United States, by regions, 1947. Washington, 1950. Map. 1.962 F4V55

3206. U. S. OFF. OF INTERNATIONAL TRADE. Plywood and veneer industry in Canada. U. S. Off. Internat. Trade, World Trade in Commod. Pt. 9, Lumber & Allied Prod. 8(5),4 p. Feb.1950. 157.54 W897

From a report by L. D. Brown.

RAILWAY TIES AND OTHER COMMODITIES FOR RAILWAY USE

(See also under Wood Seasoning
and Preservation)

3207. ART, R. C. Tie ways of the Nation. Wood [Chicago] 3(12):17-19, 48, 50, 52. Ref. Dec.1948. 99.82 W859

Methods and problems of the tie industry. Discusses the place of hewn ties in production.

3208. ASSOCIATION OF AMERICAN RAILROADS. PURCHASES AND STORES DIV. The forest products situation. Railway Age 125(2):91-92. July 10, 1948. Pat. Off. Libr.

Purchase and supply situation for forest products used by railroads.

3209. BLACKMAN, C. H. 100 years of cross ties on the L&N. Cross Tie B. 31(9):18, 20, 22, 24. Sept. 1950. 99.82 C87

3210. BLAIR, T. A. Two years' experience on the Santa Fe in using tie inspectors to determine the cause of failure of ties at the time they are removed. Cross Tie B. 33(11):40, 42, 44, 46. Nov. 1952. 99.82 C87

A statistical study by wood species giving causes of removal and average age of ties when removed.

3211. BLOCH, D. The tie hacks' last stand. Amer. Forests 54:72-74. Feb. 1948. 99.8 F762

River driving hand-hewn ties in Wyoming.

3212. BRENTLINGER, P. D. The railroads' problems in purchasing cross ties. Cross Tie B. 32(10):57-60. Oct. 1951. 99.82 C87

Includes inspecting and grading.

3213. BROWN, N. C. Wooden cross tie still supreme. Cross Tie B. 30(7):34-36, 38. July 1949. 99.82 C87

History of production and use, species variation and geographical shift in production areas. Factors affecting requirements.

3214. BURT, C. S. The last fifty years and the next in the cross tie industry. Cross Tie B. 31(9):45-52. Sept. 1950. 99.82 C87

The place of railroads in the tie industry.

3215. CADE, J. R. Cross ties—Pacific coast and the South—a comparison of practices and problems. Cross Tie B. 30(9):34, 36, 38, 40. Sept. 1949. 99.82 C87

3216. DYKES, J. F. The importance of the crosstie industry in Louisiana. Forests & People 2(4):22-23. Fourth Q. 1952. 99.8 F7628

3217. EPPERSON, W. Peaks and valleys in the tie industry from viewpoint of a field man. Cross Tie B. 31(4):22, 24. Apr. 1950. 99.82 C87

Marketing and its affects on production.

3218. EPPERSON, W. Show them the right way to cut ties; necessary to work with mill owners to get more and better production per man day. Cross Tie B. 30(3):7-8. 22. Mar. 1949. 99.82 C87

Wartime production changes, the scarcity of skilled labor, and reduced tie production despite higher investment in equipment.

3219. HARVESON, C. B. History of cross ties on the Baltimore & Ohio Railroad. Cross Tie B. 33(11):46, 48-52. Nov. 1952. 99.82 C87

3220. HOLLEY, W. B. More use of hickory cross ties from standpoint of operation. Cross Tie B. 32(11):3-9. Nov. 1951. 99.82 C87

Includes advantages of hickory utilization in forest management.

3221. HOOD, J. M. Short lines also use ties. Cross Tie B. 33(11):55-58. Nov. 1952. 99.82 C87

3222. JEFFORDS, L. S. The nine foot cross tie. J. Forestry 46:45-46. Jan. 1948. 99.8 F768

3223. JOHNSON, B. N. Cross tie and lumber prices, 1946-1951. Cross Tie B. 32(4):9-17. Apr. 1951. 99.82 C87

Statistical analysis by region or State, and by primary species.

3224. JOHNSON, B. N. The problem of peaks and valleys in tie production. Cross Tie B. 30(9):14-18, 20. Sept. 1949. 99.82 C87

3225. JONES, E. W. Ties [marketing]. Forest Farmer 10(2):10-11. Nov. 1950. 99.8 F7692

3226. KEMP, W. E. Experience of the Norfolk & Western railroad in the use of hickory ties. Cross Tie B. 32(11):14-17. Nov. 1951. 99.82 C87

Statistical analysis of service life and causes of failure.

3227. KUEHN, A. L. The life of cross ties: What is the most economic length of life? Cross Tie B. 33(11):30, 32, 34, 36, 38, 40. Nov. 1952. 99.82 C87

The connection of the tie industry with the general forest economy, with the general rural economy, with the steel industry, with transportation, with the lumber industry, and with the wood-preserving industry. Tabulates the costs involved in ties used 30 and 40 years.

3228. LANE, P. H., and FECHNER, G. H. Sawed tie production in the Tennessee Valley region. Cross Tie B. 32(12):9-12, 14, 16, 18, 20, 22. Dec. 1951. 99.82 C87

U. S. Tennessee Valley Authority Division of Forestry Relations, National Hardwood Lumber Association, Southern Pine Inspection Bureau, and U. S. Forest Service, cooperating.

Contents: Railway tie production and industry; Costs of production; Sawmill problems; Log sawing time; Lumber recovery and grade yield; Log grade and lumber recovery; Product values from board logs and tie logs; Overrun.

3229. LORENTZEN, F. 1948 Florida tie production. Cross Tie B. 31(4):10, 12. Apr. 1950. 99.82 C87

Assembled from Forest Survey statistics compiled by U. S. Forest Service Southeastern Forest Experiment Station.

3230. OGDEN, W. H. Crosstie industry facts for the Tennessee Valley counties. Norris, U. S. Tenn. Val. Authority Dept. Forestry Relat., 1949. 21 p. 173.2 T25Ct

3231. OGDEN, W. H. 40 per cent of South's sawed tie production in Tennessee Valley. Cross Tie B. 31(5):7-3, 10, 28. May 1950. 99.82 C87

Taken from a 1947 field survey of forest industries in the Tennessee Valley by the U. S. Tennessee Valley Authority Division of Forestry Relations. Includes the place of the valley's crosstie industry in supplying area railroads.

3232. PARMELEE, J. H. Prospective railroad earnings and expenditures. Cross Tie B. 32(10):17-18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44. Oct. 1951. 99.82 C87

In discussing market trends for railway ties, reviews statistics of crosstie use and costs, 1926-50.

3233. PARMELEE, J. H. What the railroads need from the tie industry. Cross Tie B. 29(9):14-16, 47. Sept. 1948. 99.82 C87

3234. PERKINS, W. C. History of Union Pacific timber treatment. Amer. Wood-Preserv. Assoc. Proc. 47:221-225. 1951. 300.9 Am3

Includes history of crosstie use and replacement.

3235. RAILWAY TIE ASSOCIATION. COMMITTEE ON MANUFACTURING PRACTICE. Report. Cross Tie B. 32(11):26, 28, 30, 32. Nov. 1951. 99.82 C87

Reviews general economic problems, and mechanization efficiency. Considers labor, timber purchase, log supplies, sawmills, and markets.

3236. RAILWAY TIE ASSOCIATION. Reports on cross tie production. Cross Tie B. 29-33. May 1948-Dec. 1952. 99.82 C87

Monthly regional and State reports by corporate members of the association, chiefly on factors affecting production. Later issues append statistical graphs showing production and inventories in millions of ties.

3237. RAILWAY TIE ASSOCIATION. Tie contractor. Cross Tie B. 29(1):14-17; (2):12-14, 66; (6):10-12. Jan.-Feb., June 1948. 99.82 C87

Costs and other economic considerations in operating a tie yard.

3238. RAILWAY TIE ASSOCIATION. The use of treated tracks. Cross Tie B. 29(3):29-31, 34, 40. Mar. 1948. 99.82 C87

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3239. TILLER, W. E. What the tie industry needs from the railroads. Cross Tie B. 29(9):17-18. Sept.1948. 99.82 C87

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3381. HORNER, C. K. Review of current world naval stores supplies. Foreign Com. Wk. 40(10):3-6,36-37. Sept.4,1950. 157.54 F763

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3456. HENCH, M. H. Distillation of black birch for oil. Forest Leaves 34(4):4-5,14. Sept./Oct. 1949. 99.8 F763

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3457. KLEIN, S. Cedar species [and cedarwood oil]. Amer. Perfumer & Essential Oil Rev. 51:137-140,242-245. Ref. Feb.-Mar. 1948. 308.8 Am3

3458. POOL, C. From the lowly Juniper[us] mexicana comes a chemurgic enterprise in cedarwood products. Chemurg. Digest 7(7):7-10. July 1948. 381 N213Na

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3459. SHAW, A. C. Production of essential oils from coniferous foliage. Canad. Chem. & Process Indus. 35: 44-45. Jan. 1951. 381 C16

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3462. HARRIS, E. E. Molasses and yeast from wood. Crops in Peace and War, U. S. D. A. Ybk. 1950/51:886-890. 1951. 1 Ag84Y

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3463. HARRIS, E. E. Production of livestock feed from waste wood. Forest Prod. Res. Soc. J. 1(1):43-48. Sept. 1951. 99.9 F7662J

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3464. SCHLEEF, M. L. The economics of fodder yeast from sulfite waste liquor. Wash. State Col. Bur. Econ. & Business Res., Econ. & Business Studies B. 7, 43 p. Sept. 1948. 280.9 W272

Factors and costs of production; marketing possibilities.

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3465. PADDOCK, W. R. All this, and timber too! South. Lumberman 183(2297):241-243. Dec. 15, 1951. 99.81 So82

Miscellaneous nonwood forest products available from southern Appalachian forests.

3466. SHAW, E. W. Minor forest products of the Pacific Northwest. U. S. Forest Serv. Pacific Nowest. Forest & Range Expt. Sta. Res. Note 59,10 p. Dec. 1949. 1.9 F7629Fr

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	<u>Item</u>		<u>Item</u>		<u>Item</u>		<u>Item</u>
Abbey's register	2051	Aircraft--Continued.		American Paper and Pulp		Archer D H	706 2504
Abbot R W	1509	in pulpwood inventories	3030	Association	2908 2933	Archery goods	3324 3466
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New Hampshire			1183	Fassnacht D L		1456		Fernow Experimental Forest				1748			
1201				Faucheux W A		2615					2446	British Columbia			1795
New York		1192	1194	Fearnow T	1651	1652		Ferree M J	46	59	1858	California			1805
1195	1234	1278		Fechner G H	2616	2672		Ferris J P			599	Manitoba			1730
North Carolina			1471	3228				Fiber		2225	3155	Northeastern States			1711
Northeastern States			1416	Federal forestry	18	290		Fiberboard		3144	3148	1726	1749		
Oregon			1222	295	313	315	316	Canada	2997	3137		Utah			1713
Pacific Northwest			1219	318-	320	322-	326	competition			2374	West Virginia			1735
1220				328-	332	337	339	conferences and congresses			3147	crews		1786	1809
Pennsylvania	1188	1202		340	349	350	614	consumption			3146	damage	1717	1771	1772
Quebec	1225	1235		615	654	923	924	costs and returns			3139	Canada			1758
Southern States			1205	926	928	931	933	3140	3143	3145	3147	Maine			1705
1208	1210	1233		administration		655		3149				Ontario			1789
Texas			1209	California		1004		directories	3006	3013		Wisconsin			1728
Washington	1218		1221	costs and returns		925		3143				damage appraisal			1692
Western States			1217	education		634		dry process			3148	1780	1782	1953	
Wisconsin			1189	Lake States		950		for containers			3295	California		1777	1783
Minnesota			790	Minnesota		956		foreign trade			2407	equipment			1776
New Brunswick			1223	Mississippi		957		from waste		2258	3136	Maine	1733	1774	1775
New England		42	56	North Carolina		968		3138	3139			Northeastern States			1781
829	2348			Oregon	1001	2638		industry	2910	3282		South Carolina			1776
Northeastern States			1075	Pacific Northwest		983		Pacific Northwest		3142		danger			1773
Nova Scotia	238	1229		987				statistics		3137		detection	1697	1797	1801
Ontario	547	1231		Southwestern States	1006			Washington		3150		effects on trees			2686
planting		24		Washington		997		See also Paperboard				equipment			1792
policies and programs		318		Western States	989	994		Fibre Containers	3006	3282		expenditures			1748
347	393	781	930	See also Forests, National;				Filberg R J		2042		hazards and risks			1791
1036	1237	1247	1252	Forestry, cooperative				Filip S M		1446		British Columbia			1800
1253				programs; names of National				Financial failures		2072		1804			
Alabama			963	forests, and names of				Finch T L		219		California			1725
Canada	1241	1243	1254	Federal agencies				Findlay D S		1278		Idaho			1800
Eighth Federal Reserve				Federal-Industry cooperation				Finehout R H		735		liability			1793
District			1240	See Forestry, cooperative				Fink O E		1635		New Jersey			1798
Lake States			1250	Federal Land Bank of				Finley W C		3180		Pacific Northwest			1802
Minnesota			1255	Columbia		1955		Finn R F		1077		1803			
New England			1236	Federal Land Banks		1962		Finney W H	3443	3444		Wisconsin			1796
New Hampshire			363	Federal Regulations See U. S.				Fir				history	1699	1723	1728
New Jersey	948	1248		General Services Admin.,				California		1372		1761			
Ontario	1244	1249		Code of Federal Regulations				marketing		2837		Idaho			1736
Pennsylvania			1238	Federal Reserve Bank of		1210		New England		1063		in woodworking plants			735
Vermont			1245	Atlanta				Northeastern States		898		incendiary			1751
Washington			1246	Federal Reserve Bank of				2508				insurance		1945	1947
Western States			1121	Boston	41	53	70	Pacific Northwest		2376		1948	1949	1951	1952
Wisconsin			1251	829	883	1056	1959	Fir-tex		3150		1953	1956		
products	1180	1181	2168	2323	2956			Fire		1701		Intermountain Region			1005
3070	3077	3105		waste survey		2289		Alabama	1762	1769		international aspects			271
Eastern States			2335	Federal Reserve Bank of				and forest management	1729			labor requirements			1789
Georgia			2354	St Louis		1240		1779				Lake States			1767
Illinois			2339	Federal Reserve Bank of				and wildlife		1778		laws			1719
Midwest			1200	San Francisco		2037		area responsibility		1705		California		570	1742
Missouri			2347	Federal-State cooperation See				1715				Kentucky			1744
New Brunswick			1223	Forestry, cooperative				California	216	1722	1757	New Brunswick			1716
New England			2348	programs				Canada	231	1758	1759	Northeastern States			1749
New York	2329	3336		Felling	2435	2449	2470	causes	1771	1772	2519	Nova Scotia			1698
North Carolina	1213	2368		2504	2509	2511	2515	California			1751	Oregon			571
Nova Scotia			1229	2518	2521-	2523	2525	Canada			1710	least-cost-plus-damage			1699
Ontario	2337	3351		Fellows E S		1017		Ontario			1697	concept			1699
Oregon	1222	2148		Felt See Feltwood; Wood felt				Oregon			1751	Maine			1761
Pennsylvania			3070	Feltwood		2332		Washington			1751	Maryland			380
Rhode Island			2333	Fence posts		1180		West Virginia			1765	Michigan			1727
Southern States			1210	costs and returns		3247		conferences and congresses			1747	Mississippi			1102
Vermont			1186	3252	3260							National parks			1760
Washington			2322	distribution		2396									

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statistics--Continued.			and agriculture--Continued.			costs and returns--Con-			industrial--Continued.					
Canada	2175-	2178	Vermont		1186	Mississippi		864	Minnesota		1048	Mississippi		1086
Montana		2160	Virginia		800	New Brunswick		1156	Missouri		1066	New Brunswick		1794
Pacific Northwest		2161	Washington		1218	New England	829	1056	New England	71	1055	New England	71	1055
West coast		2173	Appalachian Region		101	New Hampshire	870	2323	1058	1063		Northeastern States		1075
Western States		214	115			New York	944	1853	3060			Ontario	1168	1170
yearbooks		2145	Arkansas		139	North Carolina	796	801	Pacific Northwest		466	Pacific Northwest		1130
Tennessee Valley		2018	as a profession	14	18	1334	1336		479	1125	1128	1130		
2061			268	270	604	South Carolina	965	974	1132	1138	1139	1141		
utilization	1968	1977	607	608	611	Southern States		896	1142	2518	2652	2977		
2090			632	635	650	Southwestern States		995	Quebec	1159	1164	1169		
valuation	1636	1365	675			Tennessee Valley		1444	South Carolina		421	Southern States	126	146
2156	2168	2174	associations	18	70	West coast		1148	149	163	432	658		
Vermont		1186	491			Wisconsin		1189	919	1081	1087	1090		
Virginia		800	British Columbia	230	240	Delaware		371	1093	1097	1098	1100		
Washington	1137	2173	519	369		education	18	268	1113	1119	1120	2961		
2322			California	139	208	209	593	612-	614	1113	1119	1120		
West coast	2070	2400	461			622-	624	631-	633	Tennessee		975	1085	
Western States	2033	2057	Canada	236	244	252	637	642	647	856	1099	1116	1117	
Wisconsin	1139	1989	532	666	838	2988	British Columbia		531	1113	1119	1120	2961	
See also Farm woodlands,			Colorado		462	budgets		632	1113	1119	1120	2961		
products; Forest industries			conferences and congresses			Canada		1242	1099	1116	1117	1095		
and names of products			5	272	298	Ontario		1249	1118	1083	1091	1095		
Forest Products History			North Central States		393	Oregon		1222	Virginia		1082	1084		
Foundation	37	296	Pacific Northwest		435	Quebec		1235	Washington		1126	1137		
Forest Products Packaging			Washington		481	Southern States	436	442	West coast		210	918		
Council		3290	Connecticut		54	636	653	919	1122	1129	1131	1134		
Forest Products Production			controversial aspects		470	statistics			1146-	1148				
Board		2189	489	937	1008	Florida	426	431	Western States	1124	1135			
Forest Products Research			Oregon		1001	Georgia		433	1136	1140	1144	1145		
Clinic		2667	cooperative programs and			handbooks		1200	Wisconsin		63	1060		
Forest Products Research			operations			history	10	14	1076	2325	2465			
Society		2087	289	326	328	18	24	37	inter-American cooperation		268			
Inland Empire Sect		1847	347	354	355	268	284	290	international aspects		6			
Northeast Region Sect		2667	442	458	923	302	305	308	7	18	266	267		
Forest rangers		968	930-	932	934	353	493	647	271	273	293	338		
Forest Resource Appraisal			1035	1172	1237	1286	1528	2119	341	621				
See American Forestry Asso-			1268	1286	1287	British Columbia		237	Iowa		378			
ciation, Forest Resource			Alabama		1232	California		216	Kentucky		150	364		
Appraisal			British Columbia		1015	Canada	248	255	Lake States		45	48		
Forest Resource Reports See			1016	1018	1022	Georgia		795	laws	15	267	282		
U.S. Forest Serv., Forest Re-			1028	1029	1296	Great Lakes		785	289	296	303	326		
source Reports			Canada		1317	Minnesota		2119	569	559	561	562		
Forest Survey See U. S. Forest			Central States		3180	New England		829	569	923	935	1035		
Serv., Forest Survey and U. S.			Connecticut		941	New York		375	1256	1259	1262	1285		
Forest Serv., Timber Re-			Louisiana		1105	Oklahoma		2013	1286	1291	2182	2322		
sources Review			Maryland		380	Ontario	251	510	British Columbia		1257			
Foresters	35	607	Michigan		581	Pacific Northwest		484	2050					
615	616	620	Mississippi		1086	2109	2125		California		570			
635	652	675	Missouri		1264	Pennsylvania		2071	Canada	522	552	556		
Arkansas		629	Montana		992	South Dakota	482	986	558	565	1297			
as land owners	613	1064	New Jersey		948	988			Connecticut		399			
attitudes	622	690	New York		1061	Southeastern States		798	Louisiana		563			
1265			1234	1277	1278	Southern States	118	1092	Maritime Provinces		262			
British Columbia	643	649	North Carolina		427	2009			Maryland		1269			
California		609	Oregon 1002	1008	1009	Virginia		179	Minnesota	402	1276			
consultants		606	Pacific Northwest		1330	Idaho		468	2119					
641	644	645	South Carolina		1115	Indiana		93	Missouri		564			
Quebec		626	South Dakota		482	industrial	3	18	New Hampshire		1267			
Southern States		1204	Southeastern States		577	39	287	290	1274	1930		572		
industrial	606	608	Southern States	453	919	343	439	487	786	1278				
622	624	625	1107	1205	1233	493	495-	499	Nova Scotia		1292	1299		
licensing		643	Tennessee		975	504	509	525	Ontario	510	566	1298		
New Brunswick		553	1117			646	656	659	1300	1301	1303			
Pacific Northwest		605	Utah		1666	1032	1033	1035	Oregon	555	567	571		
630			Vermont		410	1039-	1041	1045	1275					
statistics		627	Virginia	953	1651	1070-	1072	1262	Pennsylvania		560			
Forestry	8	10	1664	1667		1333	1335	2182	Southern States		1204			
21	34	35	Washington		934	2923	2946	3180	Virginia	179	1263	1264		
Alabama		413	Western States		1136	Adirondack Mountains		1051	Washington	481	557			
Alaska		196	See also Cooperative asso-			Alabama		1080	1282					
Alberta		263	ciations			Arkansas		1109	Louisiana		440			
and agriculture		326	costs and returns		1042	1112			Maine	58	72	379		
559	642	727	Alabama		963	British Columbia		648	manuals	1146	1204			
1177-	1179	1132	1043	1162	964	649	1022	1171	Maritime Provinces		262			
Alabama		162	Arkansas		909	Canada	522	1149	Maryland		380			
California		3277	973		910	1152	1153	1155	Michigan		382			
Massachusetts		1185	California		908	1158	1160	1161	military		2203			
Midwest		1200	2029		915	1167	1425	1881	Minnesota	49	360	372		
New York		784	Canada		911	education		634	385					
North Carolina		796	911	1166	1166	Florida		799	Mississippi		133			
301			Florida		971	Georgia		1363	Mississippi Delta		130			
Nova Scotia		1229	Georgia		960	Lake States		406	Missouri	92	387			
Oregon		135	Lake States		1889	1050	1053	1062	Montana		472			
Pacific Northwest		1219	Michigan		951	Louisiana		1094						
Pennsylvania	59	1202	Midwest		1200	1104	1366							
1233			Minnesota		880	Maine		1068						
Southern States	1518	1544	1043		952	Michigan	80	1059						

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New Brunswick	246	541	Southeastern States	180	cutting practices	13	1036	management	18	29	
New England		848	Southern States	124	1175	1272	1290	278	326	853	858
New Hampshire		389	138	1208	2128		860	861	874	875	
New Jersey	66	391	State	326	352	353	887	899	901	902	
New York		392	561				905	916	922	926	
Newfoundland		229	statistics	24	26		937	1044	934		
North America	3	5	Canada	231	232	234	1011	1015	1019	1020	
North Carolina	99	152	235				1936	2042			
446			Quebec		257		California		868	915	
North Dakota		47	Tennessee		454		1127				
Northeastern States	1431		Tennessee Valley	419	456		Canada	528	863	891	
Nova Scotia	238	253	Texas	122	181	455	1012	1153			
Ohio	394	412	values		295		conferences and congresses		936		
Ontario	544	547	Vermont		90		deterrents		1037		
Oregon		473	Virginia	110	111	179	education	634	1046		
Pacific Northwest		183	428	1935	202	210	Florida		866		
193	195	204	West coast		223		for crossties		3220		
Pennsylvania		395	West Virginia		413		for mine timber		3262		
personnel aspects		690	Western States		815		for naval stores		432		
policies and programs		10	Wisconsin	64	360	408	for poles		3246		
26	266	270	416				for pulpwood		3024		
276	278	282	See also Extension forestry;				for the baseball bat industry		3322		
285	288	289	Federal forestry				Georgia	866	959		
292	294	296	Forests	32	303		Idaho	811	1010		
302	307	309	acreage and area	27	772		Inland Empire		912		
316	326	349	775	777		integrated	862	864			
438	450	759	California		818		866	868	1112	1137	
Alabama	161	453	Canada		231		1172	1517	1521	1553	
Alaska		467	Illinois		81		1556	1564	1661	1881	
Alberta		537	Labrador		247		2030	2415			
British Columbia		514	Pennsylvania		792		Intermountain Region		1005		
548			administration	267	270		Lake States	575	921		
California		458	289	303	321	322	943				
Canada	258	516	646	655			Louisiana		867		
522	528	536	Colorado		469		Maine	897	2221		
554	1012	1409	Connecticut		399		Michigan	914	947		
Colorado		469	Intermountain Region		1005		military reservations		978		
conflicts		299	New York		1278		Minnesota	880	894		
Connecticut	54	374	Ontario		535		Mississippi	148	1102		
Florida	137	435	Southeastern States		429		Montana	199	985	993	
Georgia		423	Southwestern States		1006		New Brunswick		246		
Idaho		200	Tennessee		434		New England	70	848		
Iowa		403	Alabama	160	162		883	1067	1078	1993	
Louisiana		443	Alaska	182	196	197	New Hampshire		870		
Manitoba		540	Alberta		241		New Jersey		948		
Michigan		400	allowable cut		1000		New Mexico		892		
Minnesota	402	2119	appraisal	541	901	1291	New York	940	942		
Missouri		62	Arkansas	102	103	140	944	949			
Missouri River Basin		334	174	176			Newfoundland		1025		
Montana	199	476	as a public utility		132		North Carolina		962		
New Brunswick	246	517	as tax base		1905		Northeastern States		898		
New England		306	British Columbia	226	250		1057				
New Hampshire		390	California	187	189	190	Ontario	260	872	889	
New York	306	376	198	216	217	234	1014				
North Carolina	422	425	Canada	231	232	234	Oregon		2238		
445			244	256	261	3087	Ozarks		890		
Nova Scotia	511	517	church		358	424	Pacific Northwest		871		
Ohio		412	cleaning		1498		885	2240	2977		
Ontario	251	260	closure		2395		Quebec		893		
513	539	545	commercial		27		records	1334	1336		
889			community	351	357		research	595	1306		
Oregon	184	464	British Columbia		515		1307		1422		
1222			Canada		524		rotations		1422		
Pacific Northwest		471	Massachusetts		398		South Carolina		965		
474	1130		New York	401	949		Southeastern States		862		
Pennsylvania	59	361	Ontario	535	1014		1114				
373			Pennsylvania	362	397		Southern States	105	132		
Quebec	257	1235	Wisconsin		407		146	164			
Saskatchewan		551	Connecticut		79		Virginia		107		
South Carolina		421	county		360		West coast	1148			
Southeastern States		429	Illinois	850	1588	1601	Idaho		200		
Southern States	132	138	Tennessee Valley		840		Illinois	52	77	81	
149	432		Wisconsin	415	794		improvement cutting	1414			
Tennessee Valley		448	Crown		1021		2591				
Texas	120	457	British Columbia		1013		Indiana		84		
Utah		465	1895	1938	2324		influences		18		
Vermont		410	Newfoundland		1025		intermediate cutting	1426			
Virginia	179	958	Ontario	2121	2681		2311				
Western States	114	144	Saskatchewan		2043a		inventories	1315			
Wisconsin	63	404	cutover				British Columbia	227			
414	945	1313	Canada		1324		531				
Wyoming		215	Louisiana	867	1096		Canada	523			
Prince Edward Island		242	1517				Pacific Northwest	1146			
Quebec	228	243	Mississippi Delta		2458		1328	1330			
Rhode Island		397	Oregon		1539		Virginia		131		
Saskatchewan		550	Pacific Northwest		1536		West coast	918			
South Carolina		451	Southern States	1101	1534		Wisconsin	1313	1321		
South Dakota		486	Wisconsin		2465		Kansas		95		
							Kentucky	83	135	150	
							Labrador	245	247		
							Lake States	43	44		
							50				
							Louisiana		102		
							Maine	74	89	94	

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1162	1164	1165	1167	Newfoundland	234	239	New England	71	365	2634						
1189	1268	1303	1415	North Carolina	100	100	368	829	831	848	California	882	3039			
1424	1672			Nova Scotia	238	1229	1054	1056	1057	1063	Michigan		1193			
West coast		882		Oklahoma	119	157	1078	1191			Pacific Northwest		1437			
Western States	873	1124		Ontario	260	535	New Hampshire		830	1465	1929	2642	2644			
Wisconsin		946		Oregon		184	New Jersey		1073	Southern States			1879			
Maryland	73	88		override	2141	2415	New York	1051	1061	Wisconsin			2591			
memorial	356	381		ownership	13	27	1064	1077			selection cutting					
Michigan	60	65	80	287	326	593	Northeastern States		1075	in insect control			1826			
359				842	844	856	1416			Lake States	1426		2701			
Midwest		96		887	901	902	Pacific Northwest		1132	Maine			1433			
Minnesota	40	51	67	1950			1220			Michigan			2679			
68				Alaska		845	Southeastern States		1114	Nova Scotia			1427			
Mississippi	102	116		British Columbia		832	Southern States	129	1089	South Carolina	108	121				
136	144	148	173	833	839	1019	1092	1097	1101	142	158	159	167			
878				California	818	836	1119	1204	1260	170						
Missouri	62	82	91	843			Tennessee		1085	Southeastern States			798			
mixed		1869		Canada	231	522	Tennessee Valley		1113	Southern States	96	105				
Montana	188	199	206	834	835	838	Washington	1126	2322	117	132	138	149			
219	2160			Connecticut		837	West coast		1129	154						
multiple-use	29	804		history		846	Western States	1121	1144	Southwestern States			203			
979	980	1198	1506	Illinois		81	1145	1217	1281	211	1006	2035				
1570	1597	1600	1653	Kentucky		787	protection	18	29	stand improvement		1487				
1660				Lake States		3059	1691	1692	1836	1565						
British Columbia	1642			Maine		1733	British Columbia		531	State	18	303	352			
California	808			Mississippi	148	1102	Canada		528	355	422	438	474			
Canada	1017	1649		New England	70	829	Colorado		469	780						
Intermountain Region	1005			831	848		Lake States	785	2225	Arkansas			103			
Missouri	62			New Hampshire		830	laws		1291	California	981	990				
New York	1064			New York		1064	New Hampshire		390	Colorado		469				
Oregon	185			Oregon		847	Pacific Northwest		485	Idaho		1010				
Washington	1619			South Carolina		167	Virginia		179	Lake States		948				
municipal	840	1624	1631	Southern States		2961	Washington		481	Michigan		947				
1640				Tennessee Valley		840	pruning			Montana		992				
National	28	314	320	841			British Columbia		1469	New England		829				
322	339-	341	344	Washington		847	Illinois		1457	New Hampshire	791	938				
489	804	814	925	Ozarks		176	Maine		1470	939						
926	927	933	936	Pacific Northwest		205	Missouri		1441	New York	376	384				
937	1341	1503	1504	207			Northeastern States		1442	783	786	942	1278			
1506	1531	1538	1551	partial cutting	908	1432	1458			North Carolina	961	962				
access roads	1679	1681		2435	2624		Northern Rocky Mountains			966	972	976				
1686	1688-	1690		Pennsylvania	59	73				Oregon		991				
acreage and area		24		89			Oregon		1449	South Carolina		977				
341	778	779		pest control		1371	Pacific Northwest		1463	South Dakota		977				
administration	1289	1505		planting	24	341	1468			Southeastern States		429				
1545				1339	1340	1337	Pennsylvania	1440	1447	Southern States		432				
Alaska	197	467	845	British Columbia		1389	Southeastern States		1445	Tennessee Valley		841				
Appalachian Region		147		1390			public		535	Virginia	179	1664				
Arizona		982		Canada		1386	purchase and sale	851	852	Washington		817				
Arkansas		103		costs and returns		1348	New England		848	Wisconsin	946	1598				
California	808	1777		Georgia		1358	New York		949	statistics	25	27	2798			
2136				Illinois		1349	Quebec	228	243	2799						
Colorado		1003		Inland Empire		1377	records		1942	British Columbia		230				
drain		341		Lake States	1342	1353	regulation	269	287	2050						
history		1528		Louisiana		1366	343	901	1035	Western States		214				
Intermountain Region		1005		Maine		1355	1258	1259	1261	1265	stocking	1385	1883	1891		
Lake States		950		Mississippi Delta		1360	1266	1270	1272	1280	surveys		4	1311		
land exchange	851	852		Nebraska		1354	1285	1290	1936	1957	aerial	1312	1320	1324		
legal basis	562	770		Ohio		1348	1963			1327	1329-	1331				
local aspects		998		Oregon		1369	Alabama		1279	British Columbia		531				
Michigan		359		seeding	1355	1369	British Columbia		1302	1320	1385					
New England	405	829		1373	1376	1380	Canada		1297	California		836				
Oregon	185	980	1515	1394			Lake States		1062	Canada		528	1317			
Pennsylvania		373		site preparation		1372	Maryland		1269	costs	1312	1322	1327			
production		2169		1396	1401		Mississippi		1102	1329	1330					
purchase and sale		24		Southeastern States		1361	New England		1959	Maryland		1329	1329			
recreational use		1568		1364			New Hampshire	390	1274	Michigan		65				
1578	1584	1592	1594	Prince Edward Island		254	Ontario	1293	1303	Minnesota	68	386				
1595	1600	1603	1605	private	303	354	Oregon	470	1275	Mississippi		116				
1606	1608-	1612		646	659	775	Pacific Northwest		1000	New York		370				
South Dakota		986		860	930	931	Virginia		1263	Northeastern States		1314				
Southwestern States		1006		1031	1034-	1038	Washington		1282	1323						
statistics	24	26		1044	1047	1072	Western States		1281	Pacific Northwest		1327				
Texas		1552		1262	1266	1290	release cutting	1474	1475	South Carolina		1312				
Virginia		179		and watersheds		1628	1485	1486	1491	Southeastern States		1326				
Washington		979		Arkansas		103	resources	4	11	Southern States		123				
watersheds		1636		British Columbia		1163	16	22	23	Tennessee	127	165				
Western States	191	989		California		1143	28-	31	307	175						
wildlife resources		1656		Canada	528	834	sanitation cutting		2502	Tennessee Valley	177	420				
1657	1663	1670	1672	1152	1297		school		780	Texas	97	120	123			
1674				Connecticut	374	941	Florida		969	166						
New Brunswick		246		1943			Michigan	951	955	thinning		1509				
New England	41	69		Kentucky		1088	Minnesota		953	British Columbia		1451				
70	96			Lake States	1049	1053	New Brunswick		1156	1469						
New Hampshire	89	390		1062	1074		Wisconsin		794	by tractor	1453	1454				
New Mexico		224		Michigan		1079				Connecticut		1455				

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Illinois	1456	1459	Saskatchewan	1869	conferences and congresses		3275				1367
Lake States	1448	1462	Southeastern States	1880	consumption		3271				2716
3031			Southern States	1439	costs and returns		2468				2507
Louisiana	1460		1850 1854 1856	1863	distribution		2396				1530
Massachusetts	1464		1865 1879 2417		emergency status		3272				2132
Michigan	1461		Vermont	1186	from farms	1180	1186				1673
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2226			Vermont	57	Lake States		1462				2389
North Carolina	1471	2546	Virginia	106	marketing	2339	2347				3360
Northeastern States	1446		131 178 179	112	3274		1200				430
Ohio	1443		Washington	194	Midwest		2347				433
Oregon	2638		221 2311	222	Missouri		1025				3660
Pacific Northwest	1450		West coast	89	Newfoundland		2256				371
1465 1467 3327			West Virginia	75	power generation		2681				3171
Saskatchewan	1454		89	87	prices	2323	2681				1206
Southern States	1439		Western pine region	201	production	3274	3275				429
Tennessee Valley	1444		Western States	186	Quebec		1164				1358
Washington	1137	1453	192	191	requirements		2127				55
1466 1472			Wyoming	215	South Carolina		2157				1316
Utah		225	See also Farm woodlands;		supply and demand aspects		3271				2112
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858 865 916		1411	Stumpage; Tree farms and		See also Briquets; Chips;						560
1420 1887 1966		1968	names of forests		Sawdust; Waste						1226
1970 1973 1976		2126	Forker L R	3283	Fullerton A W	242	517				1910
2141 2422 2937			Forman J	1635	518						3065
Arkansas		1112	Forman J B	3303	Fulling E H		2232				3461
bibliography		1967	Forster G W	797	Fulton Z M K		800				2336
British Columbia		881	Forsyth H F	1529	Funderburk R S		623				19
2413			Forsyth J L	822	Funeral sprays		3342				496-
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Connecticut		2002	Forest	995	foreign trade		3314				834
Inland Empire		2627	Foss W M	1691	grading and standardization		3301				1155
integrated	2030	2034	Foster C H	944	history		3298				2668
2035 2040 2044-		2046	Foulds R T	2334	industry	702	2076				2668
2313 2415 2419		2425	Fowler R M	1154	3298 3303 3305	3309	3313				1945
2439			2994	2993	Canada	3300	3304				91
Lake States		1890	Fox C E	189	financial failures		2072				2583
Maine		74	Fox H W	1457	Southeastern States		3297				1190
Minnesota		894	Fox Forest	938	Southern States		2010				1447
New Brunswick		246	Fragmented wood	2147	2021 3299 3310		3300				2133
New England		2212	and chipping		statistics		702				2126
New Hampshire	390	870	Frampton D B	2617	Texas		3302				2206
New York	46	783	Francois T	267	marketing	3307	3313				1974
North Carolina		1870	Frank B	18	Oregon		2148				3203
Northeastern States		1983	1626 1627 1859	1579	Pacific Northwest		3466				2477
1988			Frank G	2026	price indexes		3311				3373
Pacific Northwest		204	Frank J E	2360	prices	2166	2381				2027
2030 2425 2652			Fraser D L	1751	production indexes		2165				3301
Quebec		1164	Fraser Co Ltd	693	quality control		3301				2477
research		2100	Fraunberger R C	622	requirements	3297	3308				3373
Southern States	132	681	1038 1332 1971	2383	3310		3300				2027
879 907			Frazier J R	3109	statistics	702	2164				800
Southwestern States		2035	Frederickson F T	2503	3306 3309 3312		3313				800
Washington		884	Freeman R	2401	stock		2903				3034
Western States		2338	Freeman R E	3359	supply and demand aspects		3303				1316
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1410 1852 1859		1864	Freight cars	2749	Gabrielson I N		1653				1372
1871 1872 1883		1953	Freight loadings	2390	Gaffney P C	662	2179				1893
Alberta		877	2396- 2398	2392	Gaines E M		964				1191
Arkansas		909	2428 2881 2882	2884	Gamble Bros	2658	2899				1191
British Columbia		1415	2885 2886 2888	2890	Gamble's International Naval		3387				1098
California	1878	1885	British Columbia	2878	Stores Yearbook		3387				2995
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Connecticut		2002	2879 2880	2856	Gardner J A F		3450				1172
Georgia		1884	French L C	3050	Gardner M D		3153				625
Illinois		1876	French Hardwood Study Group	2262	Garland H	581	624				3284
Iowa		1849	Friedman C H	2918	2217 2225 3154		2088				1819
Lake States	1860	1861	Friends of the Land	276	Garnsey M E		191				3182
1890 1891			1635		Garratt G A	5	54				1479
Maine		1068	Fries R F	2113	1988 2218		1973				1278
Michigan	955	1855	Fringe benefits	707	Garrison P M	1096	1097				770
Midwest		1200	Fritchle C R	1909	1113 2008	2233					1279
Mississippi Delta		1862	Fritz E	190	Garrney M		3372				1279
1877			129 1888 1944	559	Garver R D		2131				1900
New York	944	1853	2304 2715 3039	882	Gates H		1714				2619
1866			Frost S L	123	Gaufin D M		1666				
North Carolina	801	1471	Fryer H	2755							
1857 1870 1886			Fuels	3270							
Nova Scotia		1229	Fuelwood	1968							
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1929											
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California		868	Guthrie J A	2718 2919			grading and standardization		
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	300 770 771	1516					Lake States	2701	Hasell and Hughes Lumber Co
	1524 1525 1545						New England	2348	975
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	1529		Hallberg R K		2842		2664 2666		1810
Southern States	1101	1520	Hallock H		1989		New Brunswick	1997	2921
	1521 1523 1526	1534	Hamilton L S	1866	2337		Northern States	2218	2191
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	290 499 984	1040	Hann J		1373		statistics	2787 2800	Helicopters
	1130 1266 2009		Hanrahan F J		2816		2804 2809 2325	2762	in forest surveys
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