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United States Department of Agriculture,

DIVISION OF PUBLICATIONS—Circular 11.

JOS. A. ARNOLD, Editor and Chief.

WASHINGTON, D. C., February 10, 1912.

PUBLICATIONS OF THE FOREST SERVICE.

NOTE.—Application for publications in this list should be made to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C. The editions of some of the publications are necessarily limited, and when the supply is exhausted and no funds are available for procuring additional copies, applicants are referred to the Superintendent of Documents, Government Printing Office, who has them for sale at a nominal price, under the law of January 12, 1895. Applicants are urgently requested to ask only for those publications in which they are particularly interested. The department can not undertake to supply complete sets, nor is it allowable to send more than one copy of any publication to an applicant.

REPORTS.

Report of the Forester for the year 1891.

Same, 1893.	Same, 1906.	Same, 1909.	Same, 1911.
Same, 1897.	Same, 1908.	Same, 1910.	

BULLETINS.

[In applying for these bulletins the name of the bureau as well as the number of the bulletin should be given, as "Forest Service, Bulletin No. 13."]

- Bul. 13. Timber Pines of the Southern United States.
17. Check List of the Forest Trees of the United States; Their Names and Ranges.
 32. A Working Plan for Forest Lands near Pine Bluff, Arkansas.
 36. The Woodsman's Handbook. (Revised and enlarged.)
 38. Redwood: I. Study of Redwood. II. Brown Rot Disease of Redwood. III. Insect Enemies of Redwood.
 39. Conservative Lumbering at Sewanee, Tenn.
 43. A Working Plan for Forest Lands in Hampton and Beaufort Counties, South Carolina.
 44. The Diminished Flow of the Rock River in Wisconsin and Illinois, and Its Relation to the Surrounding Forests.
 49. The Timber of the Edwards Plateau of Texas; Its Relation to Climate, Water Supply and Soil.
 50. Cross-Tie Forms and Rail Fastenings, with Special Reference to Treated Timbers.
 51. Report on Condition of Treated Timbers Laid in Texas, February, 1902.
 53. Chestnut in Southern Maryland.
 55. Forest Conditions of Northern New Hampshire.
 58. The Red Gum. With a Discussion of the Mechanical Properties of Red Gum Wood.
 60. Report on an Examination of a Forest Tract in Western North Carolina.

- Bul. 63. Natural Replacement of White Pine on Old Fields in New England.
 65. Advice for Forest Planters in Oklahoma and Adjacent Regions.
 68. A Working Plan for Forest Lands in Central Alabama.
 69. Sugar Pine and Western Yellow Pine in California.
 73. Grades and Amount of Lumber Sawed from Yellow Poplar, Yellow Birch, Sugar Maple, and Beech.
 74. Forest Products of the United States, 1905.
 78. Wood Preservation in the United States.
 79. The Life History of Lodgepole Burn Forests.
 81. The Forests of Alaska.
 82. Protection of Forests from Fire.
 83. The Forest Resources of the World.
 84. Preservative Treatment of Poles.
 86. Windbreaks: Their Influence and Value.
 87. Eucalypts in Florida.
 89. The Olympic National Forest: Its Resources and Their Management.
 90. Relation of Light Clipping to the Commercial Yield of Naval Stores.
 91. Grazing and Floods: A Study of Conditions in the Manti National Forest, Utah.
 92. Light in Relation to Tree Growth.
 93. The Aspens: Their Growth and Management.
 94. Scrub Pine.
 97. Coyote-Proof Inclosures in Connection with Range Lambing Grounds.
 98. Reforestation on the National Forests. Part I. Collection of Seed. Part II. Direct Seeding.
 100. The Crater National Forest: Its Resources and Their Conservation.
 101. Western Yellow Pine in Arizona and New Mexico.

CIRCULARS.

[In applying for these circulars the name of the bureau as well as the number of the circular should be given, as "Forest Service, Circular No. 15."]

- Circ. 15. Summary of Mechanical Tests on Thirty-two Species of American Woods.
 23. Suggestions to Prospective Forest Students.
 25. Forestry and the Lumber Supply.
 26. Forest Fires in the Adirondacks in 1903.
 37. Forest Planting in the Sand-Hill Region of Nebraska.
 38. Instructions to Engineers of Timber Tests. Revised.
 39. Experiments on the Strength of Treated Timbers.
 40. The Utilization of Tupelo.
 41. Forest Planting on Coal Lands in Western Pennsylvania.
 42. Consumption of Tanbark in 1905.
 43. Cross-Ties Purchased by the Steam Railroads of the United States in 1905.
 45. Forest Planting in Eastern Nebraska.
 48. Kiln-Drying Hardwood Lumber.
 49. Timber Used in Mines of United States in 1905.
 52. The Lumber Cut in the United States in 1905.
 54. How to Cultivate and Care for Forest Plantations on Semiarid Plains.
 55. How to Pack and Ship Young Forest Trees.
 56. Bur Oak, *Quercus macrocarpa*.
 57. Jack Pine, *Pinus divaricata*.
 59. Eucalypts.
 60. Red Pine, *Pinus resinosa*.
 61. How to Transplant Forest Trees.
 62. Shagbark Hickory, *Hicoria ovata*.

- Circ. 63. Basswood, *Tilia americana*.
64. Black Locust, *Robinia pseudacacia*.
65. Norway Spruce, *Picea excelsq.*
67. White Pine, *Pinus strobus*.
68. Scotch Pine, *Pinus sylvestris*.
69. Fence Post Trees.
71. Chestnut, *Castanea dentata*.
72. Western Yellow Pine, *Pinus ponderosa*.
73. Red Cedar, *Juniperus virginiana*.
74. Honey Locust, *Gleditsia triacanthos*.
75. Hackberry, *Celtis occidentalis*.
76. Silver Maple, *Acer saccharinum*.
79. Control of Forest Fires at McCloud, California.
80. Fractional Distillation of Coal-Tar Creosote.
81. Forest Planting in Illinois.
82. Hardy Catalpa, *Catalpa speciosa*.
83. Russian Mulberry, *Morus alba tatarica*.
84. White Ash, *Fraxinus americana*.
85. Slippery Elm, *Ulmus pubescens*.
86. Boxelder, *Acer negundo*.
87. White Willow, *Salix alba*.
88. Black Walnut, *Juglans nigra*.
89. Tamarack, *Larix laricina*.
90. Osage Orange, *Toxylon pomiferum*.
91. Coffeetree, *Gymnocladus dioicus*.
92. Green Ash, *Fraxinus lanceolata*.
93. Yellow Poplar, *Liriodendron tulipifera*.
94. Black Cherry, *Prunus serotina*.
95. Sugar Maple, *Acer saccharum*.
96. Arbor Day.
98. Quantity and Character of Creosote in Well-Preserved Timbers.
99. Suggestions for Forest Planting on Semiarid Plains.
102. Production of Red Cedar for Pencil Wood.
105. White Oak in the Southern Appalachians.
106. White Oak, *Quercus alba*.
108. The Strength of Wood as Influenced by Moisture.
109. Forest Planting in the North Platte and the South Platte Valleys.
111. Prolonging the Life of Mine Timbers.
113. Use of Dead Timber in the National Forests.
114. Wood Distillation.
115. Second Progress Report on the Strength of Structural Timber.
116. The Waning Hardwood Supply and the Appalachian Forests.
118. Management of Second Growth in the Southern Appalachians.
122. The Lumber Cut of the United States in 1906.
124. Consumption of Cross-Ties in 1906.
125. Production of Tight Cooperage Stock in 1906.
126. Forest Tables—Lodgepole Pine.
127. Forest Tables—Western Yellow Pine.
128. Preservation of Piling against Marine Wood Borers.
130. Forestry in Public Schools.
131. Practical Forestry on a Spruce Tract in Maine.
132. The Seasoning and Preservative Treatment of Hemlock and Tamarack Cross-Ties.
133. Production of Veneer in 1906.

- Circ. 134. The Estimation of Moisture in Creosoted Wood.
135. Chestnut Oak in the Southern Appalachians.
137. Consumption of Poles in 1906.
138. Suggestions to Woodlot Owners in the Ohio Valley Region.
141. Wood Paving in the United States.
142. Test of Vehicle and Implement Woods.
143. The Relation of the Southern Appalachian Mountains to Inland Water Navigation.
145. Forest Planting on the Northern Prairies.
146. Experiments with Railway Cross-Ties.
148. Practical Results in Basket Willow Culture.
149. Condition of Cut-Over Longleaf Pine Lands in Mississippi.
150. Douglas Fir: A Study of the Pacific Coast and Rocky Mountain Forms.
151. The Preservative Treatment of Loblolly Pine Cross Arms.
154. Native and Planted Timber of Iowa.
156. Preliminary Report on Grazing Experiments in a Coyote-Proof Pasture.
158. The Revegetation of Overgrazed Range Areas.
160. Coyote-Proof Pasture Experiments, 1908.
161. Forest Planting in Western Kansas.
163. Paper Birch in the Northeast.
164. Properties and Uses of Southern Pines.
166. The Timber Supply of the United States.
167. The Status of Forestry in the United States.
169. Natural Revegetation of Depleted Mountain Grazing Lands.
170. Engelmann Spruce in the Rocky Mountains, with Special Reference to Growth, Volume, and Reproduction.
171. The Forests of the United States: Their Use.
172. Methods of Increasing Forest Productivity.
173. Avalanches and Forest Cover in the Northern Cascades.
174. Reproduction of Western Yellow Pine in the Southwest.
175. Growth and Management of Douglas Fir in the Pacific Northwest.
176. Surface Conditions and Stream Flow.
177. Wooden and Fiber Boxes.
178. The Pasturage System for Handling Range Sheep.
179. Utilization of California Eucalypts.
180. Lumber Saved by Using Odd Lengths.
181. Consumption of Firewood in the United States.
182. Shortleaf Pine, *Pinus echinata*.
183. Loblolly Pine, *Pinus taeda*.
184. Fustic Wood: Its Substitutes and Adulterants.
185. Colombian Mahogany: Its Characteristics and Its Use as a Substitute for True Mahogany.
186. Consumption of Wood Preservatives and Quantity of Wood Treated in the United States in 1910.
187. Manufacture and Utilization of Hickory, 1911.
188. Volatilization of Various Fractions of Creosote After Their Injection into Wood.
189. Strength Values for Structural Timbers.
190. A Visual Method for Determining the Penetration of Inorganic Salts in Treated Woods.
191. Modification of the Sulphonation Test for Creosote.
192. The Prevention of Sap Stain in Lumber.
194. Progress Report on Wood-Paving Experiments in Minneapolis.
195. Forest Planting in the Northeastern and Lake States.
196. The Influence of Age and Condition of the Tree Upon Seed Production—Western Yellow Pine.

MISCELLANEOUS.

[In applying for these publications, the name of the bureau as well as the full title of the publication should be given.]

Grazing Lands. Extracts from the Report of the Public Lands Commission. (Senate Doc. No. 189, 58th Cong., 3d sess.)

Suggestions for the Collection of Range Plant Specimens on National Forests.

Purchase of Land Under the Weeks Law in the Southern Appalachian and White Mountains.

The National Forest Manual—Grazing.

The National Forest Manual—Special Uses.

SILVICAL LEAFLETS.

[In applying for these leaflets, the name of the bureau as well as the number of the publication should be given, as "Forest Service, Silvical Leaflet No. 1."]

- Leaflet 1. Alpine Fir, *Abies lasiocarpa*.
 2. Port Orford Cedar, *Chamæcyparis lawsoniana*.
 3. Engelmann Spruce, *Picea engelmanni*.
 4. White Fir, *Abies concolor*.
 5. Lowland Fir, *Abies grandis*.
 6. Sitka Spruce, *Picea sitchensis*.
 7. Noble Fir, *Abies nobilis*.
 8. Red Fir, *Abies magnifica*.
 9. Incense Cedar, *Libocedrus decurrens*.
 10. Bigcone Spruce, *Pseudotsuga macrocarpa*.
 11. Giant Arborvitæ, *Thuja plicata*.
 12. Yellow Cedar, *Chamæcyparis nootkatensis*.
 13. Western White Pine, *Pinus monticola*.
 14. Western Larch, *Larix occidentalis*.
 15. White Spruce, *Picea canadensis*.
 16. Single-Leaf Piñon, *Pinus monophylla*.
 17. Four-Leaf Piñon, *Pinus quadrifolia*.
 18. Redwood, *Sequoia sempervirens*.
 19. Bigtree, *Sequoia washingtoniana*.
 20. Weeping Spruce, *Picea breweriana*.
 21. Jeffrey Pine, *Pinus jeffreyi*.
 22. Amabilis Fir, *Abies amabilis*.
 23. Bristle-Cone Pine, *Pinus aristata*.
 24. Bristle-Cone Fir, *Abies venusta*.
 25. Cottonwood, *Populus deltoides*.
 26. Foxtail Pine, *Pinus balfouriana*.
 27. Torrey Pine, *Pinus torreyana*.
 28. Black Spruce, *Picea mariana*.
 29. Blue Spruce, *Picea parryana*.
 30. California Swamp Pine, *Pinus muricata*.
 31. Black Hemlock, *Tsuga mertensiana*.
 32. Tamarack, *Larix laricina*.
 33. Digger Pine, *Pinus sabiniana*.
 34. Coulter Pine, *Pinus coulteri*.
 35. Alpine Larch, *Larix lyalli*.
 36. Knobcone Pine, *Pinus attenuata*.
 37. White Bark Pine, *Pinus albicaulis*.
 38. Paper Birch, *Betula papyrifera*.
 39. Monterey Pine, *Pinus radiata*.
 40. Swamp Cottonwood, *Populus heterophylla*.

- Leaflet 41. Chestnut Oak, *Quercus prinus*.
 42. Sugar Maple, *Acer saccharum*.
 43. Red or Norway Pine, *Pinus resinosa*.
 44. Jack Pine, *Pinus divaricata*.
 46. Limber Pine, *Pinus flexilis*.
 47. Piñon Pine, *Pinus edulis*.
 48. Pignut Hickory, *Hicoria glabra*.
 49. Shagbark Hickory, *Hicoria ovata*.
 50. Big Shellbark or King-Nut Hickory, *Hicoria laciniosa*.

FARMERS' BULLETINS.

[The Farmers' Bulletins are a series of popular treatises issued by the Department of Agriculture. The following list includes only numbers relating to forestry and should be designated by number, as "Farmers' Bulletin No. 134."]

- F. B. 134. Tree Planting on Rural School Grounds.
 173. A Primer of Forestry. Part I: The Forest.
 228. Forest Planting and Farm Management.
 252. Maple Sugar and Sirup.
 341. The Basket Willow.
 358. A Primer of Forestry. Part II: Practical Forestry.
 387. The Preservative Treatment of Farm Timbers.
 423. Forest Nurseries for Schools.
 468. Forestry in Nature Study.

SEPARATE REPRINTS FROM THE YEARBOOK.

[In applying for these publications, the number of the separate should be given, as "Yearbook Separate No. 241."]

- Ybk. Sep. 241. Grazing in the Forest Reserves.
 329. Relation of Forests to Stream Flow.
 398. Waste in Logging Southern Yellow Pine.
 406. Progress in Forestry in 1905.
 466. Cutting Timber on the National Forests and Providing for a Future Supply.
 525. The Management of Second-Growth Sprout Forests.
 534. Progress in Saving Forest Waste.
 548. Fire Prevention and Control on the National Forests.





