

*DUMBARTON OAKS GARDEN AND LANDSCAPE STUDIES*

*AMERICAN FORESTRY : BEAUTY IN UTILITY*  
*MARCH 14, 2011*

*NANCY SEATON*  
*CANDIDATE FOR MASTERS IN LANDSCAPE ARCHITECTURE, 2011*  
*HARVARD UNIVERSITY GRADUATE SCHOOL OF DESIGN*

*FIG. 74.*





*Hamish Fulton  
Southern England, 1977*



*Hamish Fulton  
Hollow Lane on the North Downs,, 1971*



*Hamish Fulton  
Northern France, 1977*



*Slash Cutting, New Hampshire*



*Vermont Forest Cut and Production*



Grazing on Public Lands - Damage to Forest  
Sheep in the Shenandoah



The Wooden Library in Alnarp is a unique collection of "books", each part describing a certain species or variety of tree or shrub. The collection consists of 217 volumes and was made in Nürnberg in Germany ca. 1805-1810.

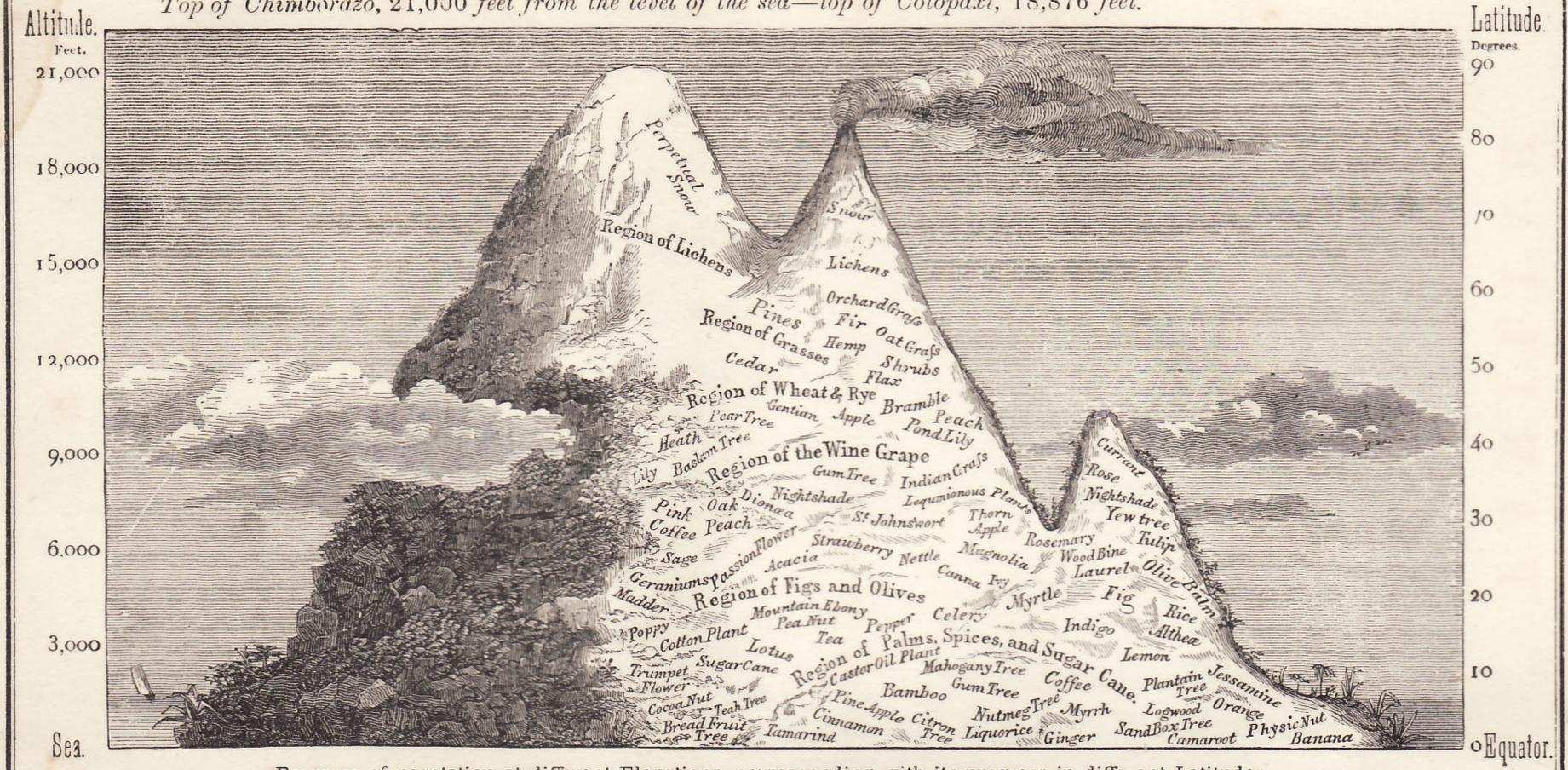


Agriculture Science Center in Tsukuba, Japan



Polish Forestry Museum

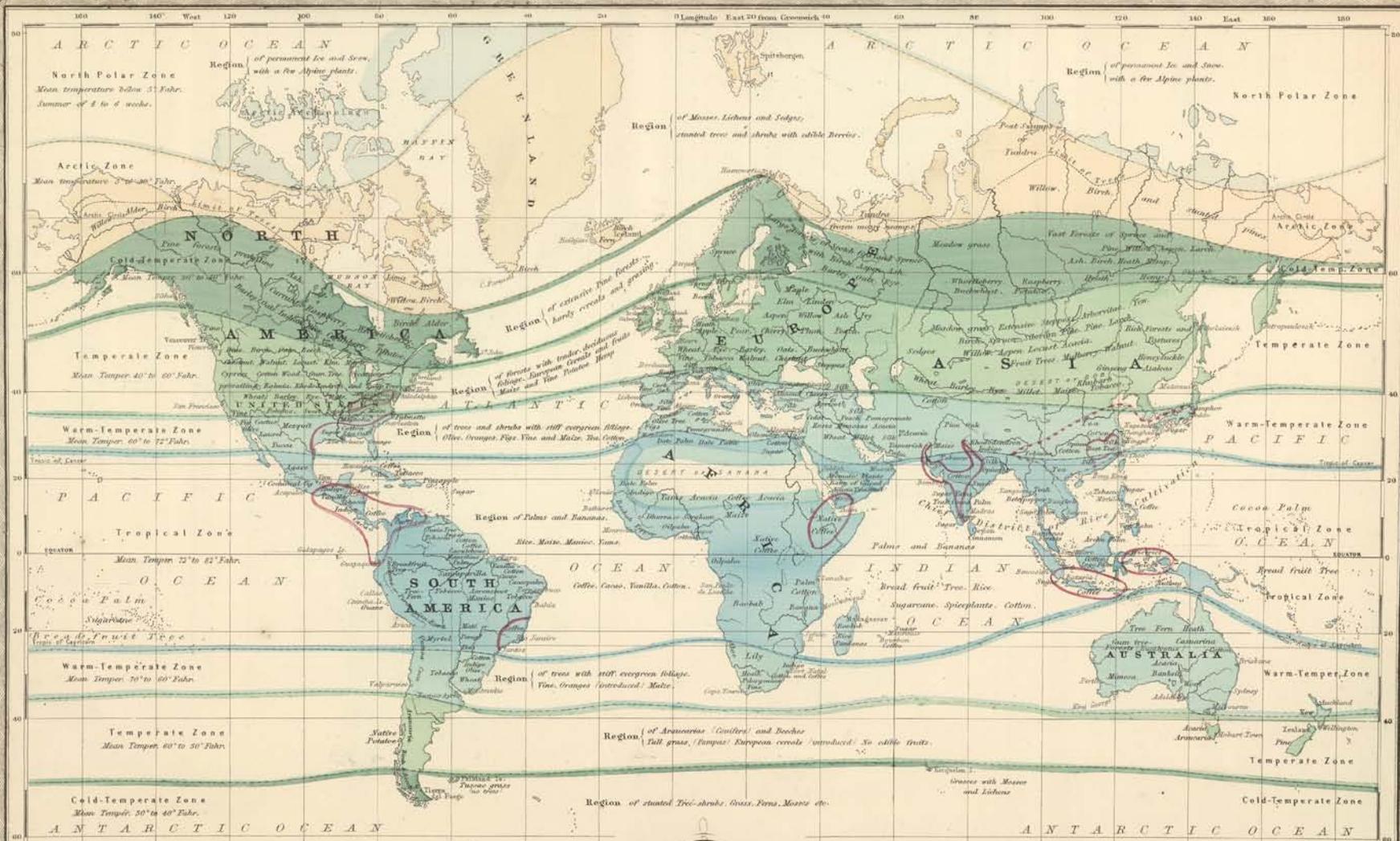
Top of Chimborazo, 21,000 feet from the level of the sea—top of Cotopaxi, 18,876 feet.



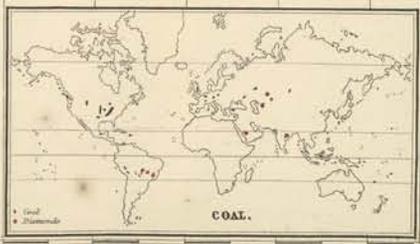
Progress of vegetation at different Elevations, corresponding with its progress in different Latitudes.

Phytogeography

Alexander von Humboldt Travels to America: 1799-1804



**JOHNSON'S**  
**WORLD,**  
SHOWING THE DISTRIBUTION OF THE  
**CHARACTERISTIC FOREST TREES,**  
PRINCIPAL USEFUL  
**PLANTS AND MINERALS.**  
BY  
PROF. A. GUYOT.  
Published by  
A. J. JOHNSON, NEW YORK.



NO. IX.



*Royal Saxon Forest Academy at Tharandt*



*Measuring "primeval" oak*



*Black Forest spruce: 60,000 board feet/acre*



*Black Forest spruce: thinning to allow understory*



*Forest products, deposited at railroad  
Frankenwald, northern Bavaria*

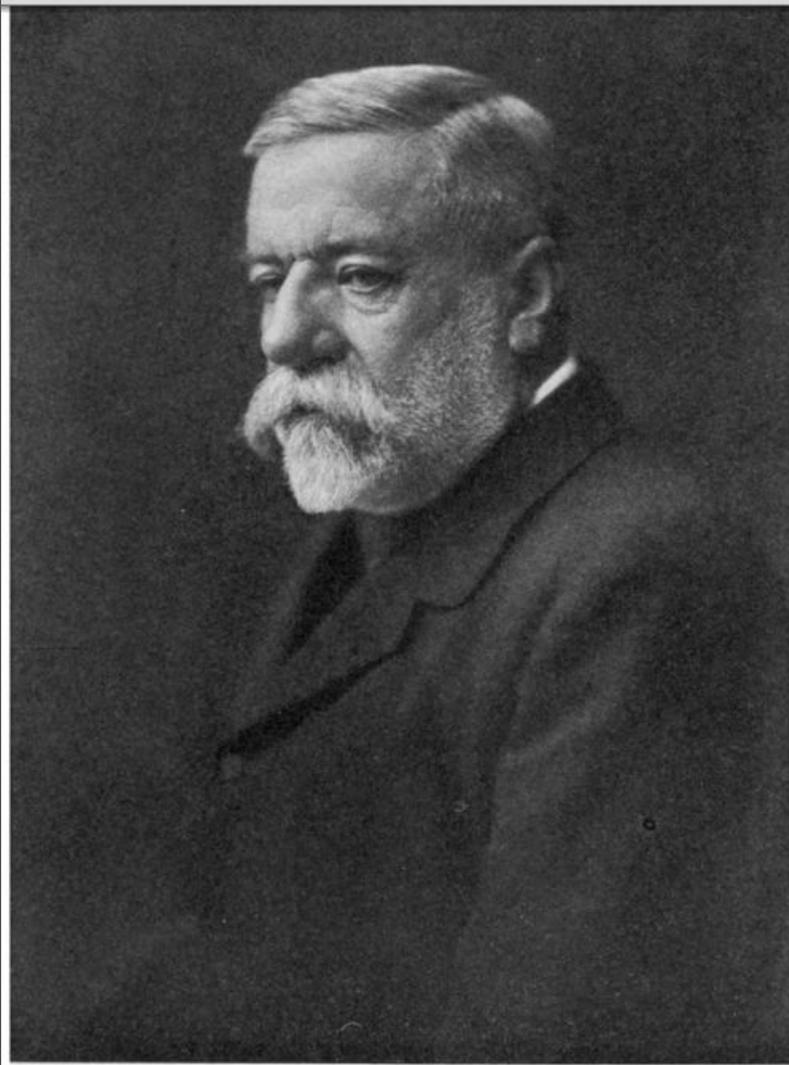


*Forest products, from thinning operations in Rhine valley*



*Spruce Forest, Bavaria*

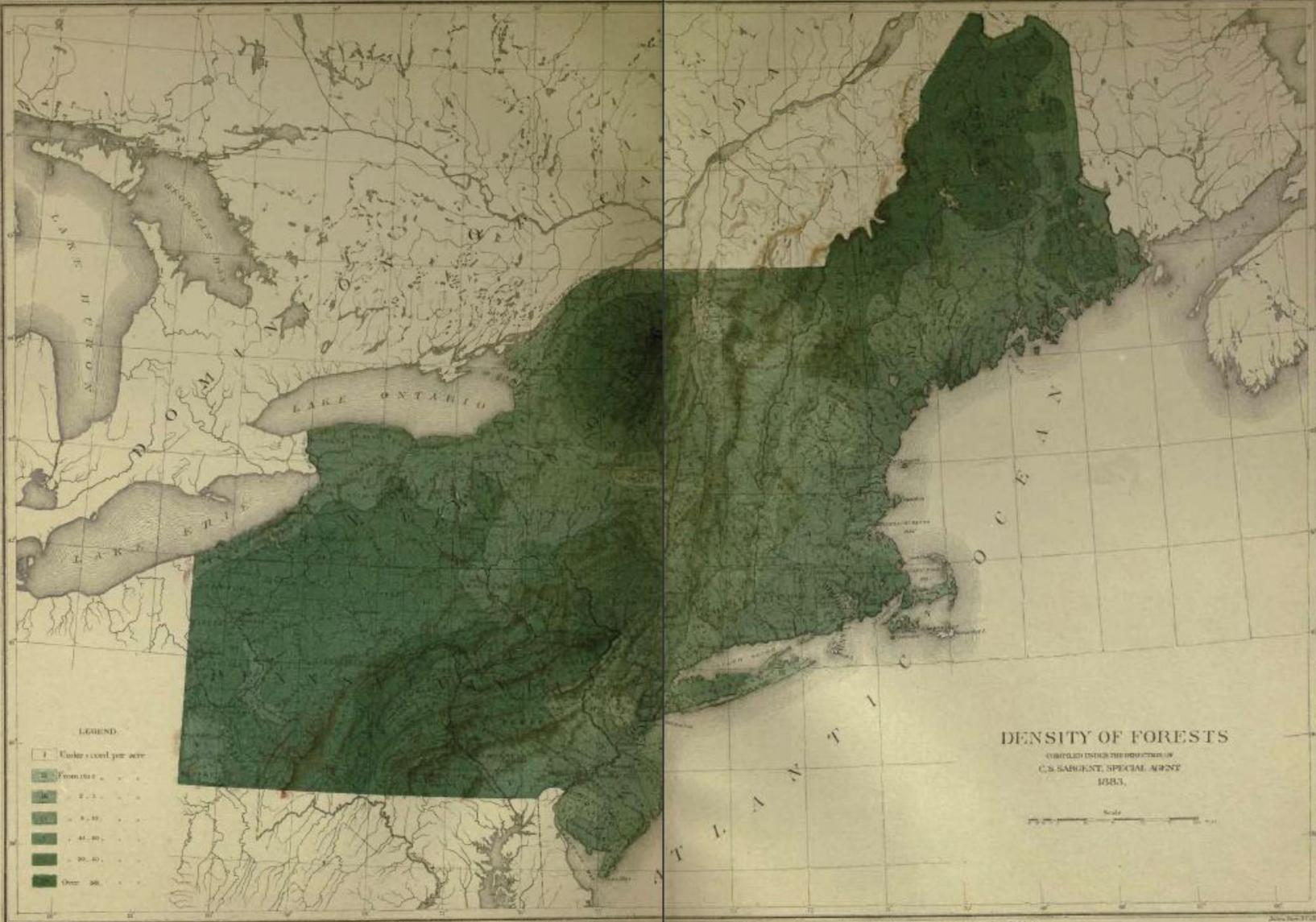
Gifford Pinchot  
*A Primer of Forestry*. Washington D.C.: Government Printing Office, 1905.



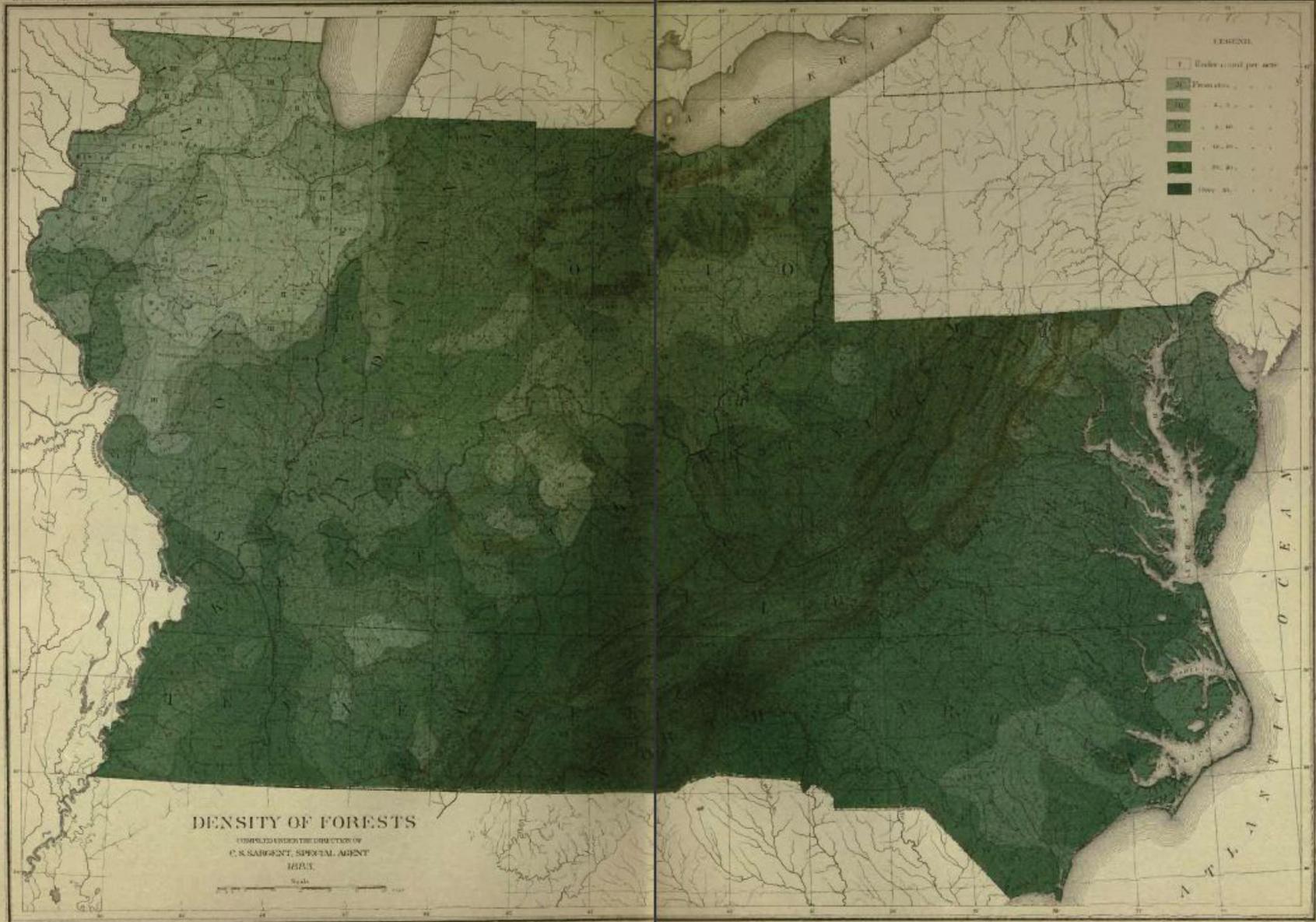
*C. S. Sargent*

*Forest Survey for the Nation's Tenth Census, 1884*  
Charles Sprague Sargent





MAINE, NEW HAMPSHIRE, VERMONT, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, NEW YORK, NEW JERSEY, PENNSYLVANIA



DENSITY OF FORESTS

COMPILED UNDER THE DIRECTION OF  
C. S. SARGENT, SPECIAL AGENT  
1893.

Scale

DELAWARE, MARYLAND, WEST VIRGINIA, VIRGINIA, NORTH CAROLINA, SOUTH CAROLINA, GEORGIA, FLORIDA, ALABAMA, MISSISSIPPI, LOUISIANA, KENTUCKY, TENNESSEE, INDIANA, ILLINOIS

Min. York & Co.

VOL. I.

NO. 1.

GARDEN

AND

FOREST



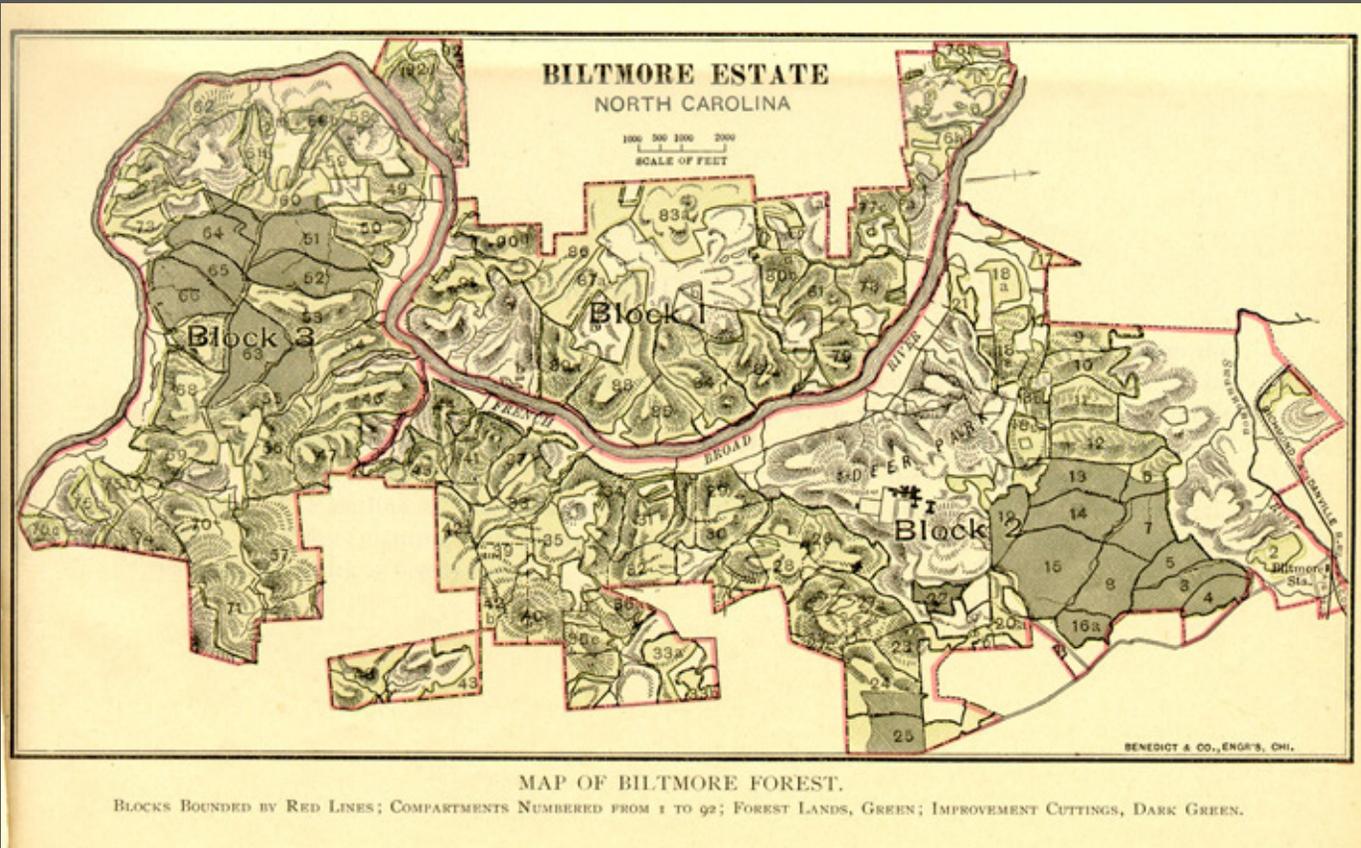
A JOURNAL OF HORTICULTURE  
LANDSCAPE ART AND FORESTRY

FEBRUARY 29, 1888.

PRICE TEN CENTS.]

Copyright, 1888, by THE GARDEN AND FOREST PUBLISHING COMPANY, LIMITED.

[\$4.00 A YEAR, IN ADVANCE.]



## Biltmore Forest

Gifford Pinchot  
*Biltmore Forest: An Account of its Treatment and the First Year's Work.*  
 Chicago: Lakeside Press, 1893.  
 Printed for the World's Columbian Exposition



*Forestry Pavilion*

*Seattle (?)*



*Forestry Pavilion*

*1893 World's Columbian Exposition*



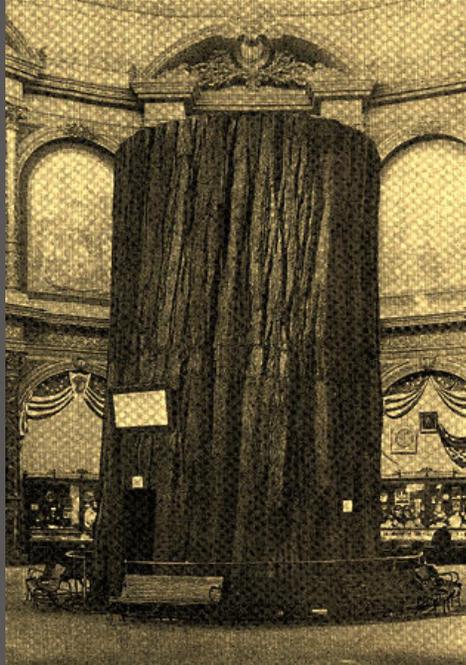
*English Forestry (?)*

*1893 World's Columbian Exposition*



Michigan Pine

1893 World's Columbian Exposition



*California, Sequoia*

*1893 World's Columbian Exposition*





Chilean *Fitzroyia cupressoides*, the South American Sequoia



*Trophy Hunting*



*Trophy Hunting*

U.S. P. 373

Division of Forestry, COPY 2

Misc. F-6

Issued August 4, 1915.

University of Minnesota.

U. S. DEPARTMENT OF AGRICULTURE,  
FOREST SERVICE.  
HENRY S. GRAVES, FORESTER.

U.S.F.S. Misc. 1915

# THE USE BOOK

A MANUAL FOR USERS OF  
THE NATIONAL FORESTS.

934

1915.

FORESTRY LIBRARY

ISSUED BY THE  
SECRETARY OF AGRICULTURE.



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.  
1915.



**FIG. 23.—Logging of great mechanical perfection among the Big Trees of California.**

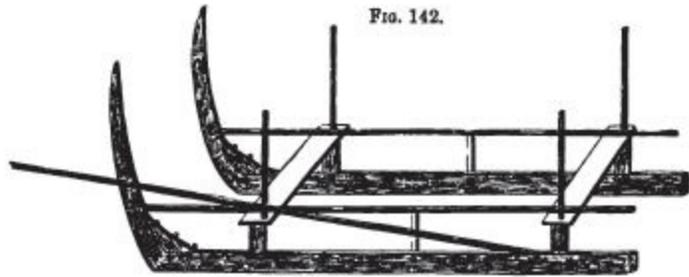
PLATE XII.

Bul. 24, Bureau of Forestry, U. S. Dept. of Agr.



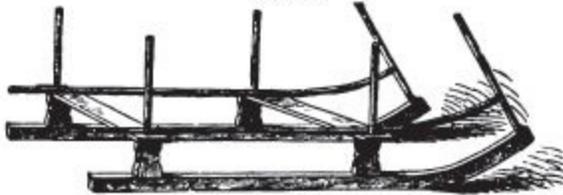
DESTRUCTIVE LUMBERING IN THE SOUTHERN SIERRA NEVADA MOUNTAINS, CALIFORNIA.

FIG. 142.



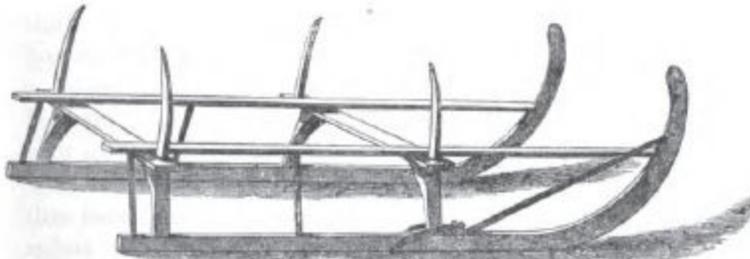
Murgthal Black Forest Sledge.

FIG. 143.



Middle Rhine-Valley Sledge.

FIG. 144.



Bavarian and South-Bohemian Sledge for butts 10-15 feet long.

FIG. 145.\*



Southern Black Forest Sledge.

\* Hess recommends the sledge shown in fig. 145 on account of its lightness and simplicity, and because by pressing on its runners in front, it can be easily checked in speed.

FIG. 188.

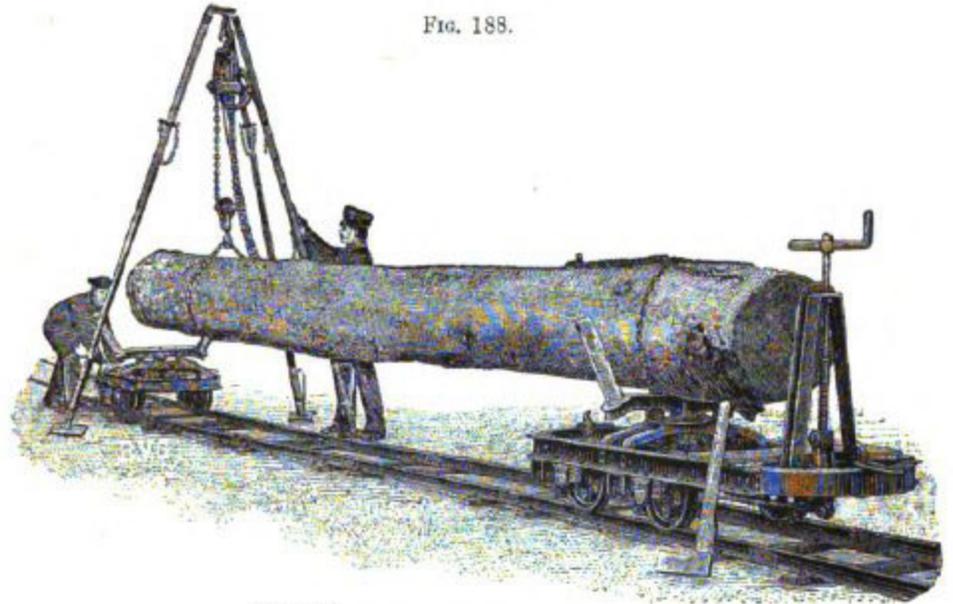


FIG. 189.

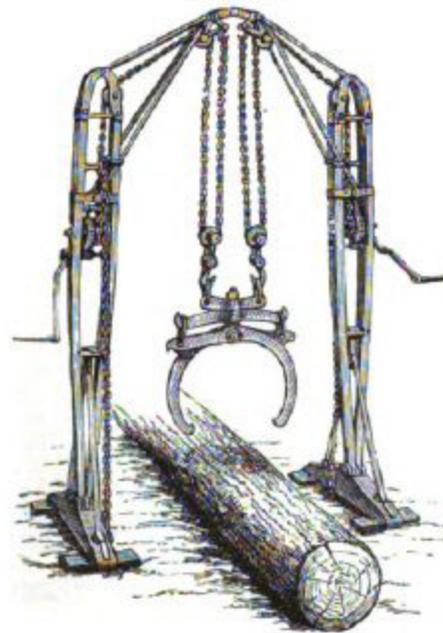
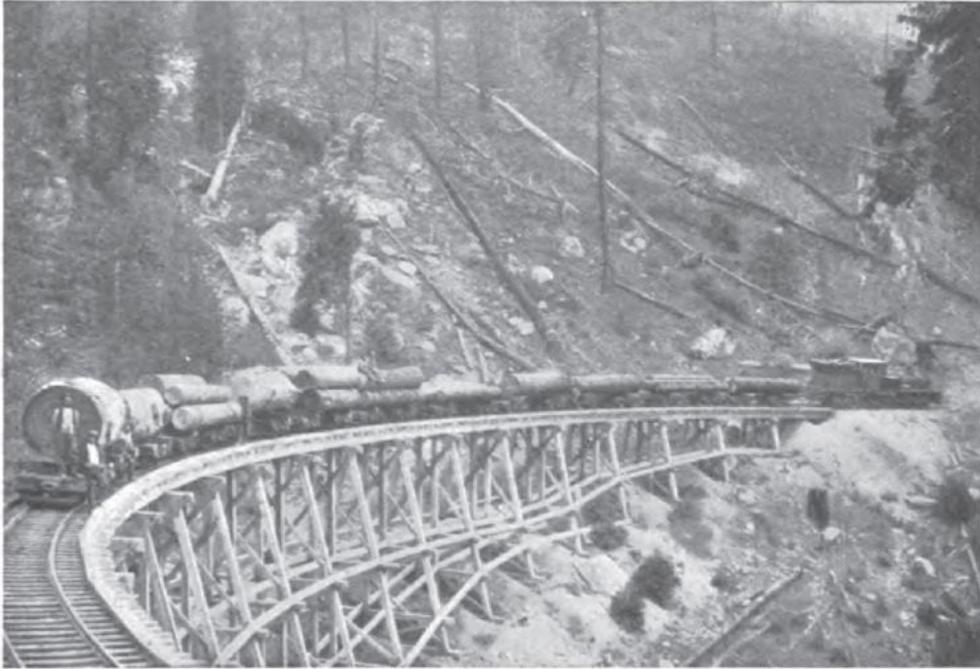
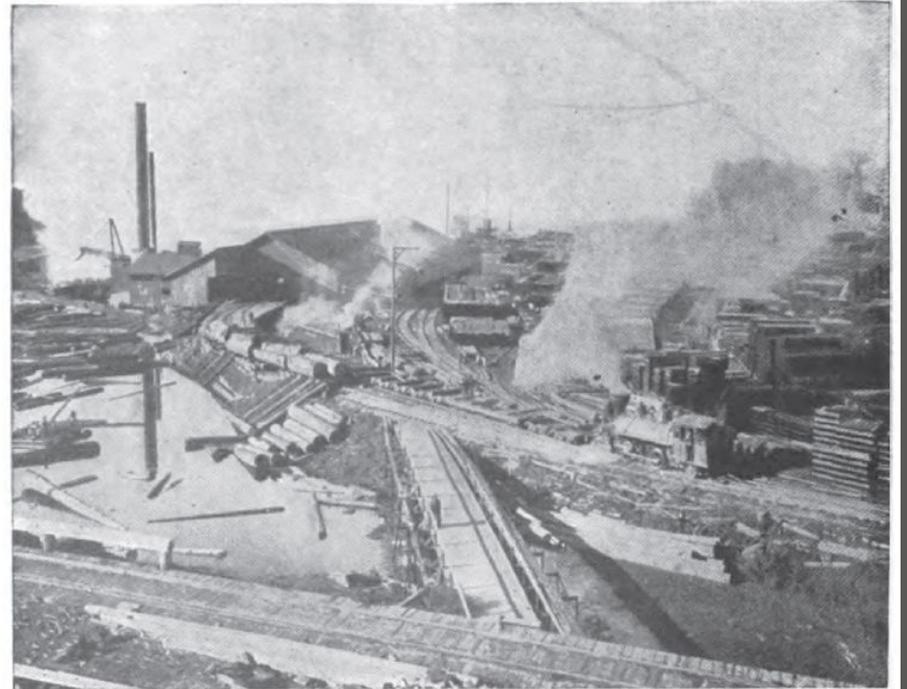


FIG. 190.





**FIG. 33.—Logging by rail. Sierra Nevada Mountains, California.**



**FIG. 34.—A sawmill, log pond, and lumber yard. Northern California.**

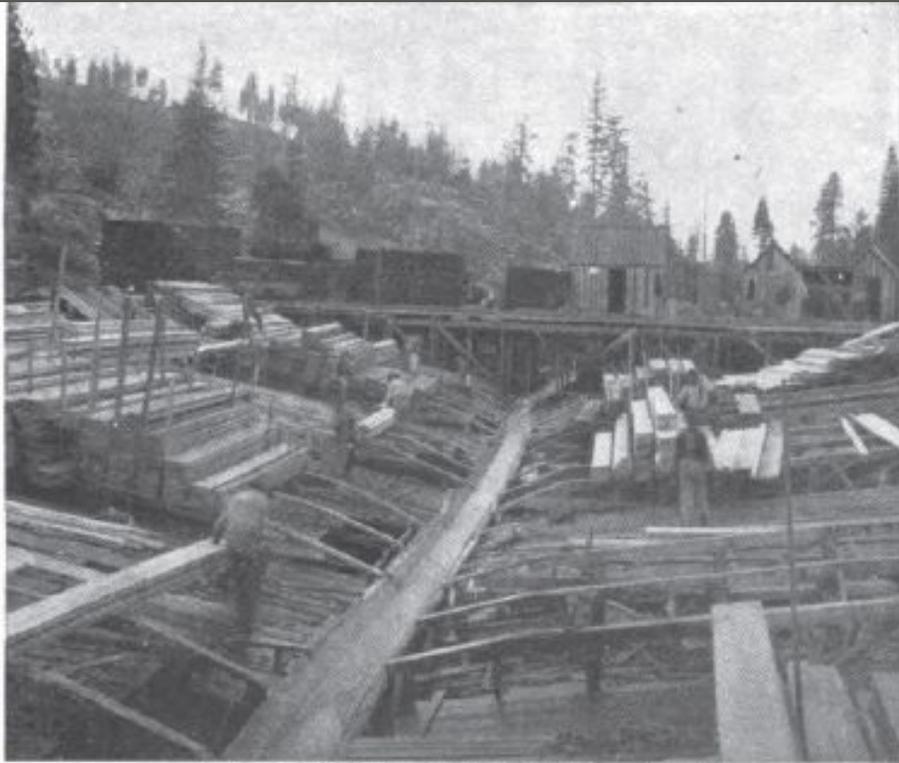


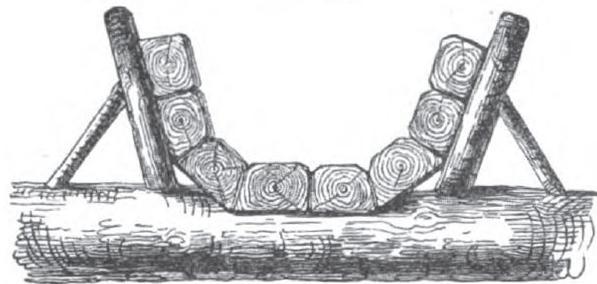
FIG. 1.—THE HEAD OF A LUMBER FLUME. CALIFORNIA.



FIG. 2.—THE FLUME IN THE MOUNTAINS. CALIFORNIA.



TIMBER SLIDE IN THE CHAMBA FORESTS.





SCENE IN THE SIHLWALD, THE TOWN FOREST OF ZURICH, SWITZERLAND, FROM WHICH ITS OWNER DESIRES THE GREATEST NET MONEY RETURN.



**FIG. 29.—Spruce rollway. Adirondack Mountains, New York.**



**FIG. 30.—Skidding with oxen. Washington.**

FIG. 119.

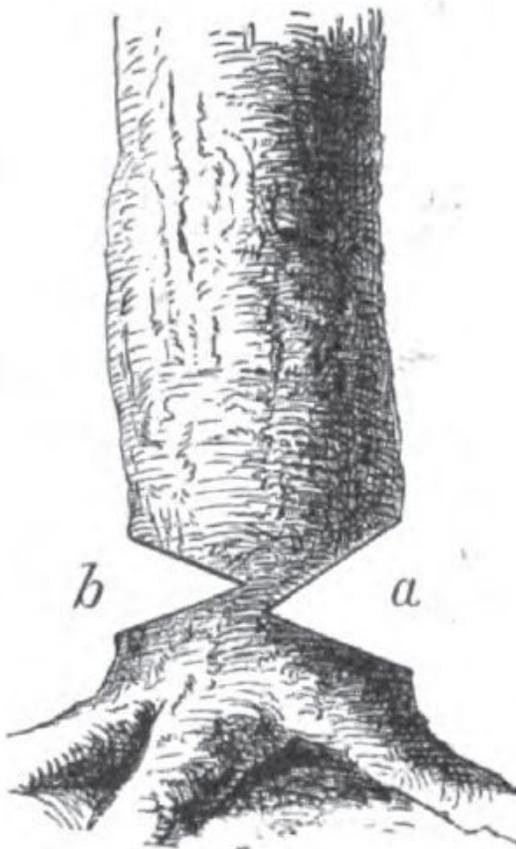


FIG. 51.

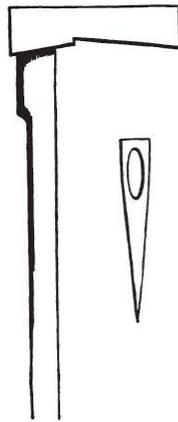


FIG. 52.

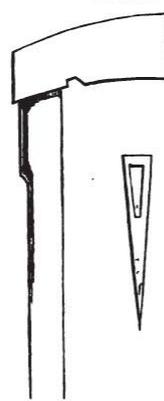


FIG. 53.

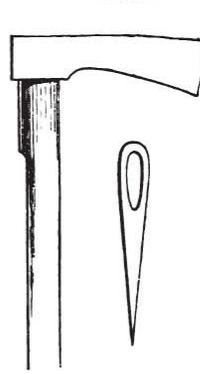


FIG. 54.

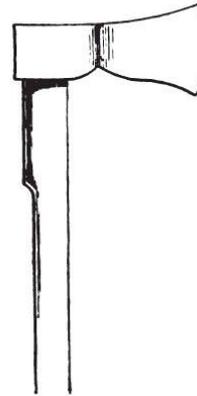


FIG. 55.

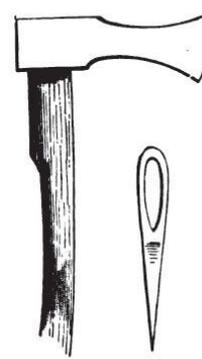


FIG. 56.

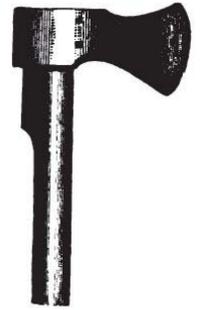


FIG. 61.

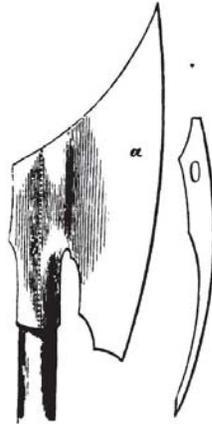


FIG. 62.

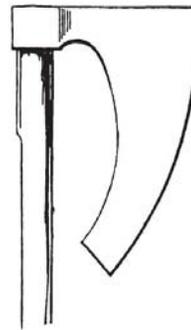


FIG. 57.

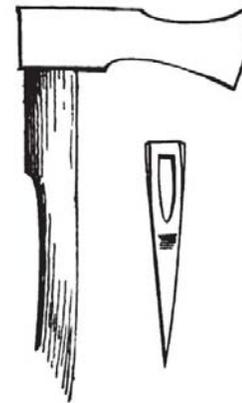


FIG. 58.

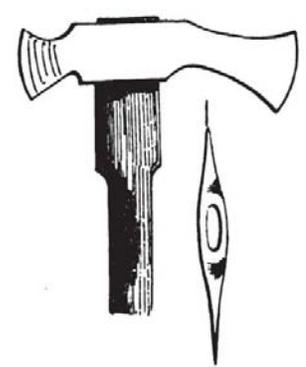


FIG. 85.

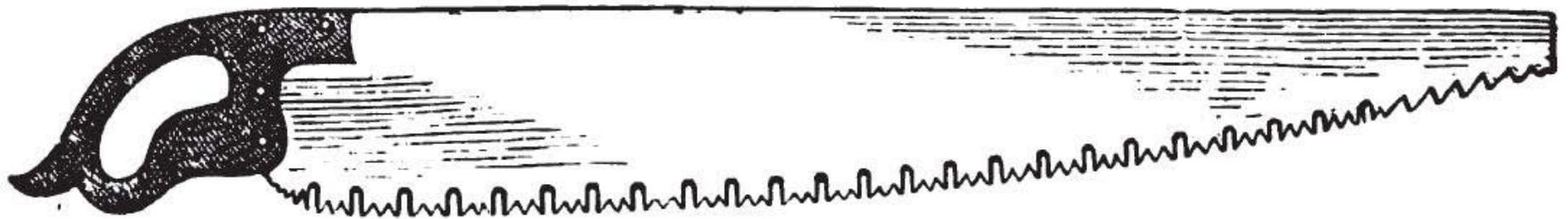


FIG. 16.



FIG. 12.



FIG. 13.

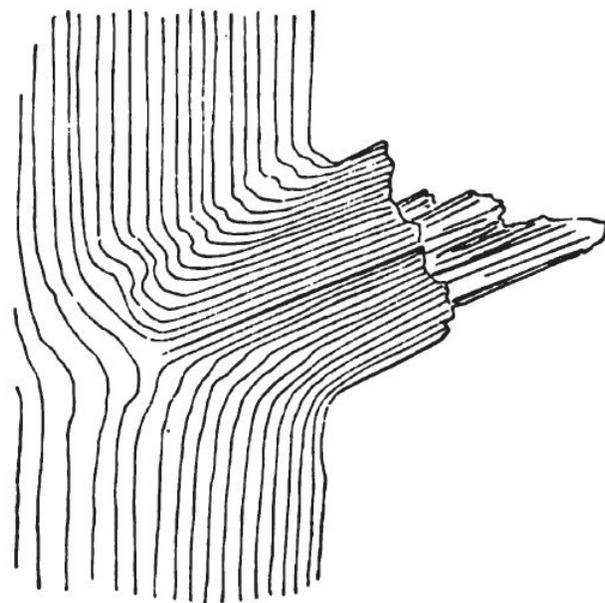


FIG. 69.



FIG. 70.



FIG. 71.

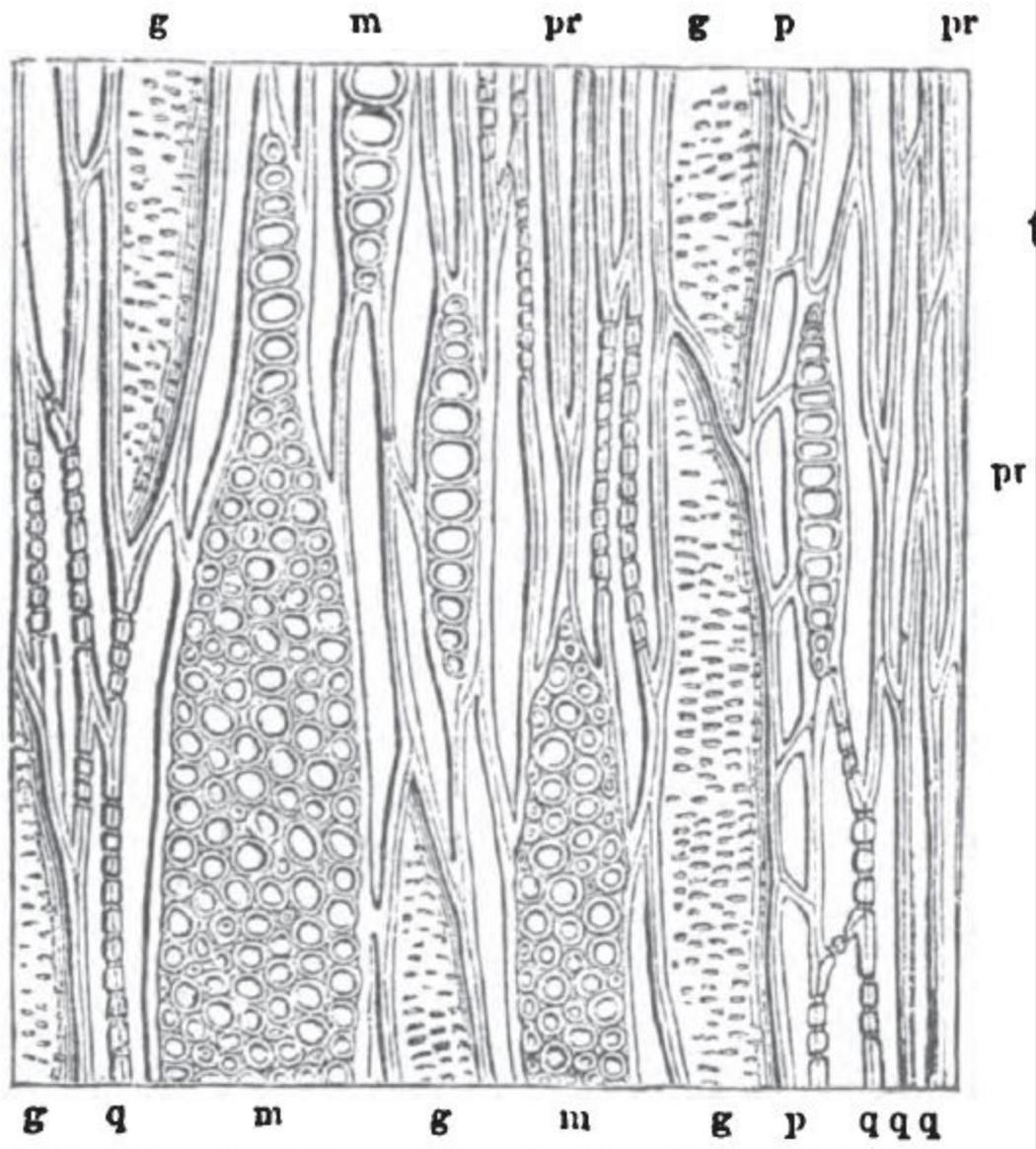


FIG. 72.

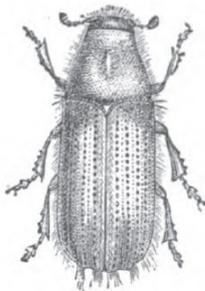


FIG. 74.





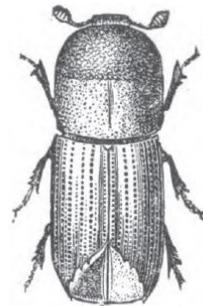
52. Vertical Section of Beech Wood, in a Plane tangent to Rings of Annual Growth.



84. *Hylestinus piniperda* (greatly enlarged).



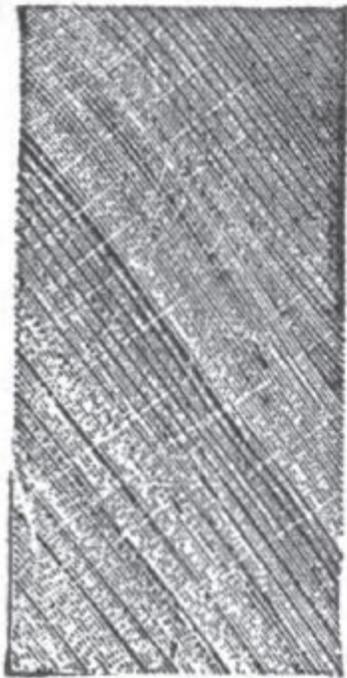
85. Burrows of the *Hylestinus piniperda* under the Bark of the Scotch Pine, with the Insects of natural size.



94 *Bostrichus typographicus* (greatly enlarged).



95. Burrows of the *Bostrichus typographicus* under the Bark of the Spruce, with the Insects of the Natural Size.



(a.)



(b.)



(c.)



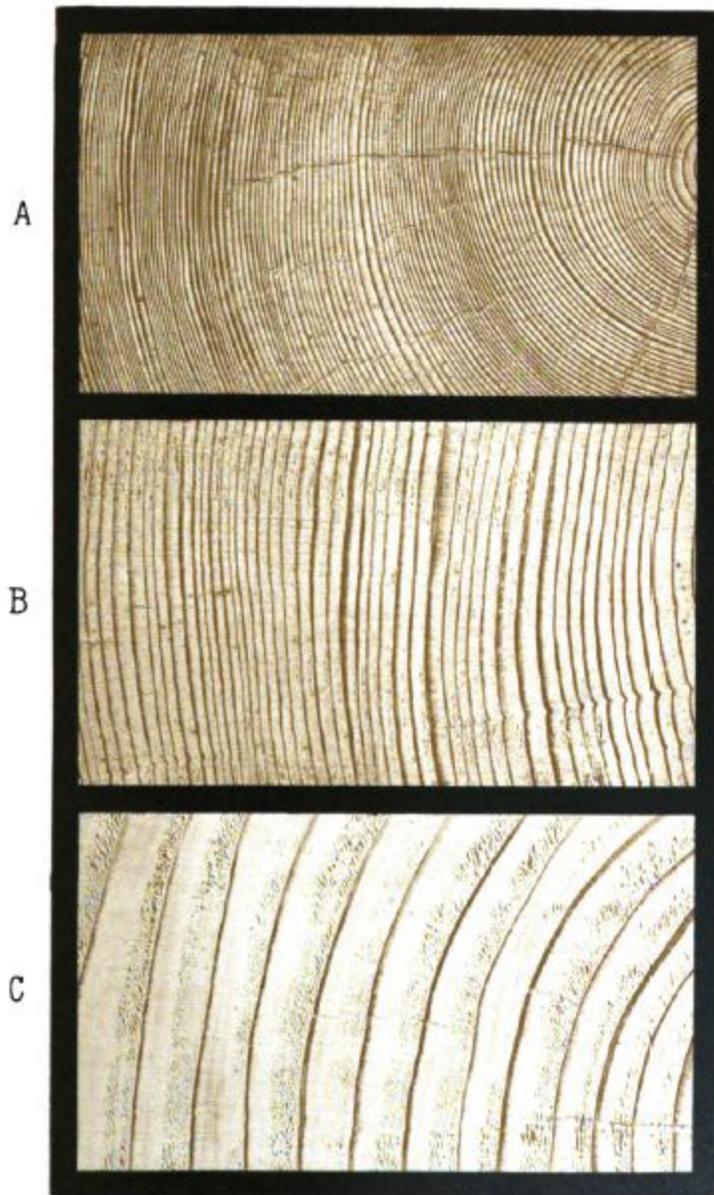
(d.)

132. *Differences in the Growth of Elms.*—Sections of the Elm: (a.) From Canada—The layers of growth so thin that they can scarcely be distinguished. (b.) From Dunkirk, France—Wood very strong, and grown in deep humid soil. (c.) From the battle-field of Toulon—Grown on a sub-soil that is very damp, but owing to the heat of the climate the wood is strong. (d.) From Provence, France—Grown on soil that is less humid.

A. { Section from a tree 200 years old (sp. gr. 0.627). Slow regular growth in a dense forest. Wood of best quality for cleaving: used for violins, &c. Forest of Chamounix (Haute Savoie). Altitude 4,550 feet.

B. { Section from a tree 150 years old (sp. gr. 0.458). Regular structure, even and moderately fast growth. Excellent wood for carpentry and joinery. Forest of Grande Chartreuse (Isère). Altitude 4,420 feet.

C. { Section from a tree 35 years old (sp. gr. 0.447). Very rapidly grown wood produced at a low altitude. Soft wood of inferior quality. Forest of Saint Laurent du Pont (Isère). Altitude 1,545 feet.



DIFFERENT TYPES OF SPRUCE WOOD



Romeyn Beck Hough, *The American Woods*  
Radial, tangential, and cross-sections of 350 North American woods (14 volumes)  
published between 1888 and 1910



*Agricultural "Improvement"*

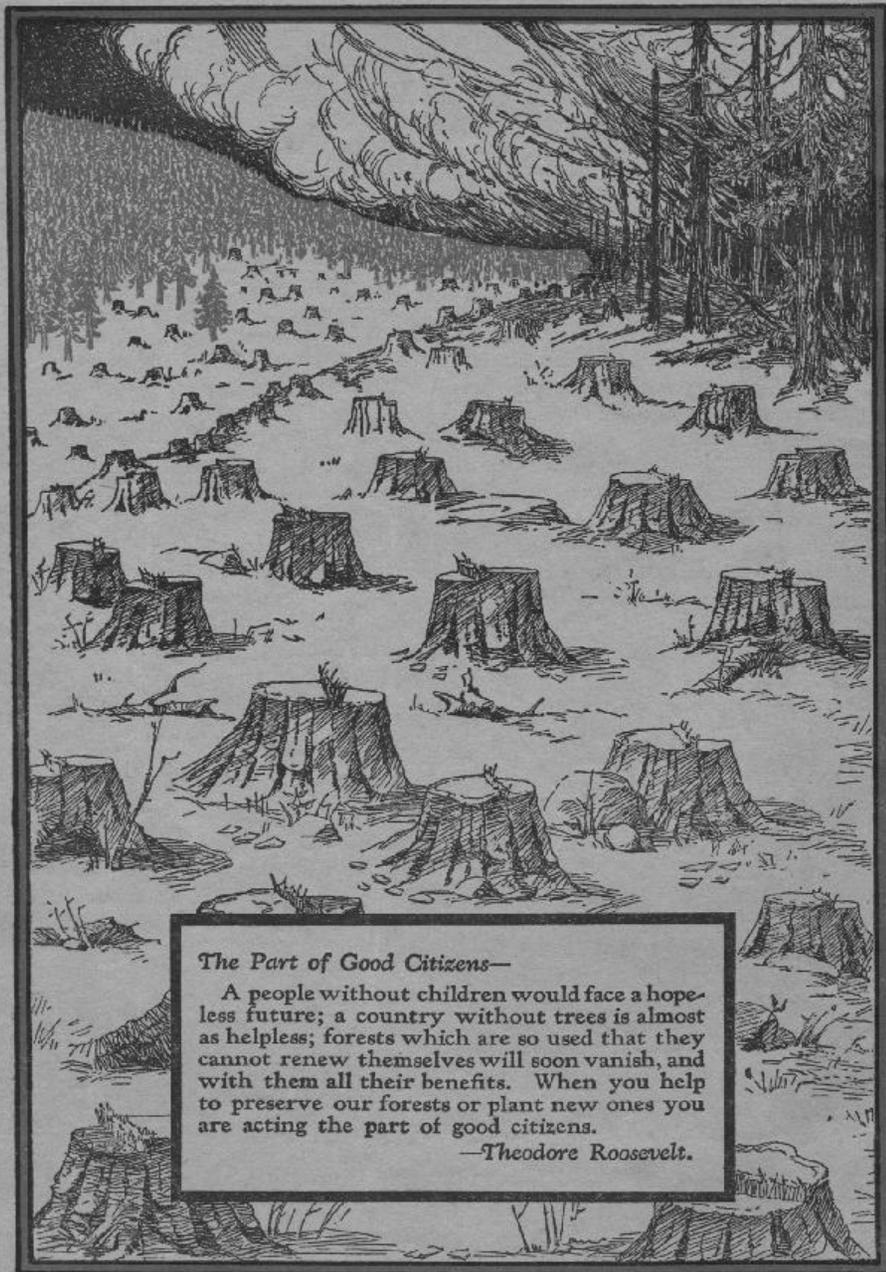


*Agricultural "Improvement"*



Begonia regina: Four pins

Horticultural "Improvement"



**The Part of Good Citizens—**

A people without children would face a hopeless future; a country without trees is almost as helpless; forests which are so used that they cannot renew themselves will soon vanish, and with them all their benefits. When you help to preserve our forests or plant new ones you are acting the part of good citizens.

—Theodore Roosevelt.

*Virginia Smith*

# THE FORESTRY PRIMER

**Civilian Conservation  
Corps Edition**

**1934**

**50 YEARS  
AGO**

The 42nd  
Hundred  
Thousand

**TODAY**



DEDICATED TO  
PRESIDENT ROOSEVELT'S  
FOREST CAMP WORKERS

American Tree Association  
1214 Sixteenth Street N.W. Washington, D. C.



*CCC Planting Crew, 1936*



BILTMORE FOREST.  
IMPROVEMENT CUTTING URGENTLY NEEDED.



BILTMORE FOREST.  
BEFORE AN IMPROVEMENT CUTTING.

BILTMORE FOREST.  
AFTER AN IMPROVEMENT CUTTING.

## "Improvements" to the Forest

Gifford Pinchot  
*Biltmore Forest: An Account of its Treatment and the First Year's Work.*  
Chicago: Lakeside Press, 1893.

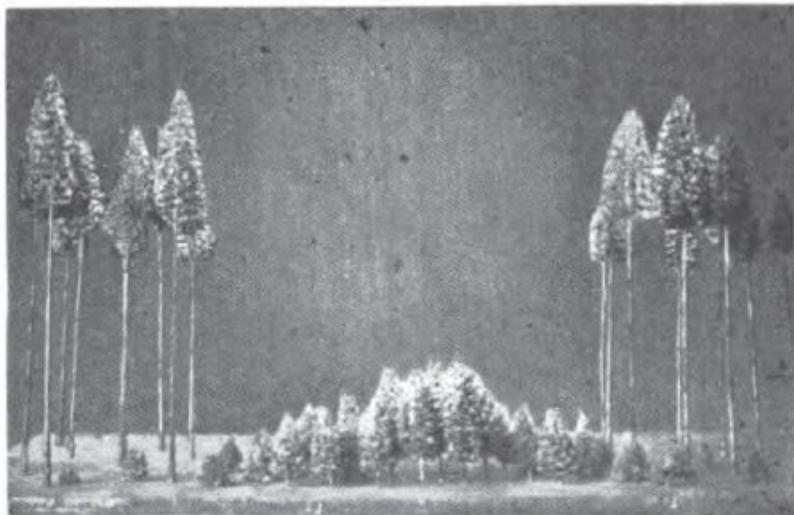


FIG. 20.—Mimic orest, showing distribution of young growth under the Group System.

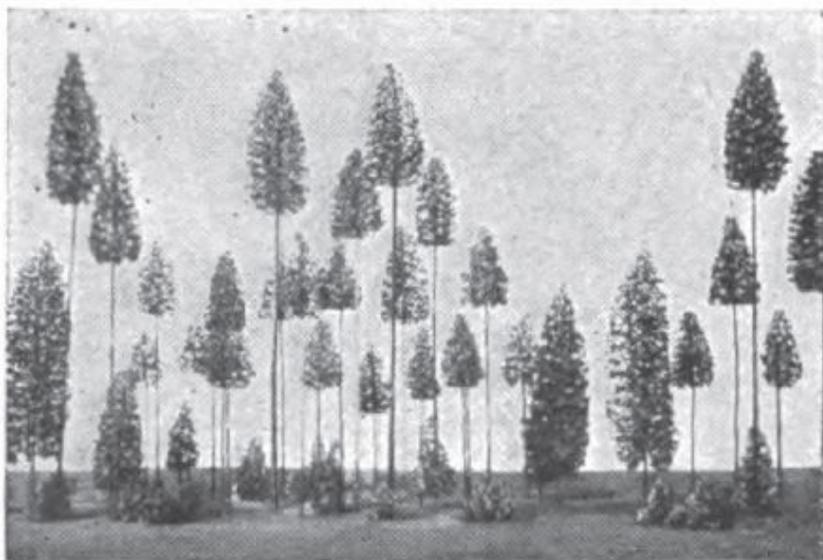


FIG. 17.—Mimic pure selection forest, showing the mixture of ages.

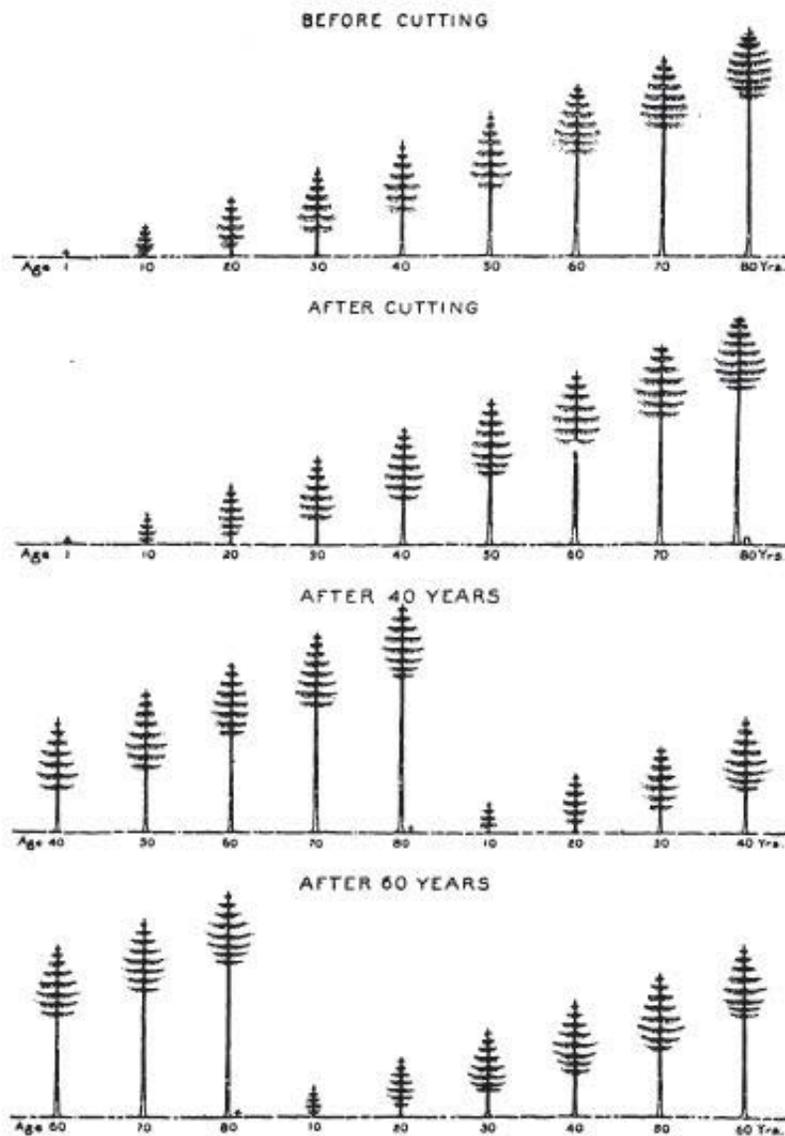


DIAGRAM TO REPRESENT THE PROGRESS OF CUTTING IN REGULAR SEED FOREST.  
Each tree represents one even-aged division. Only one division in ten is represented.

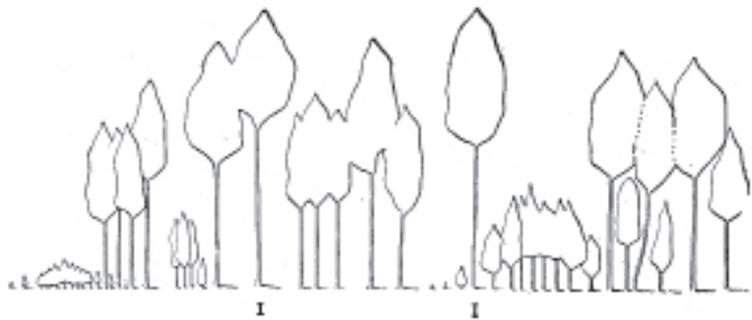


FIG. 10.

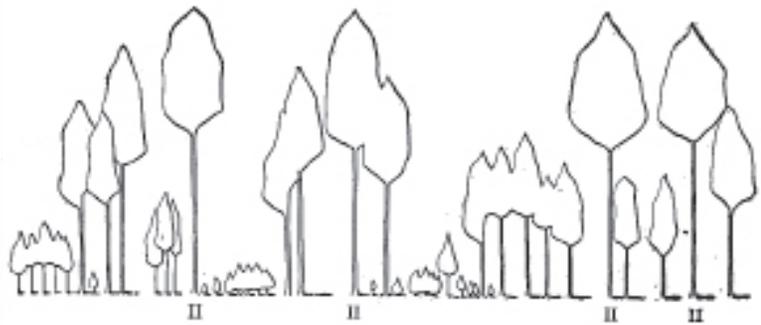
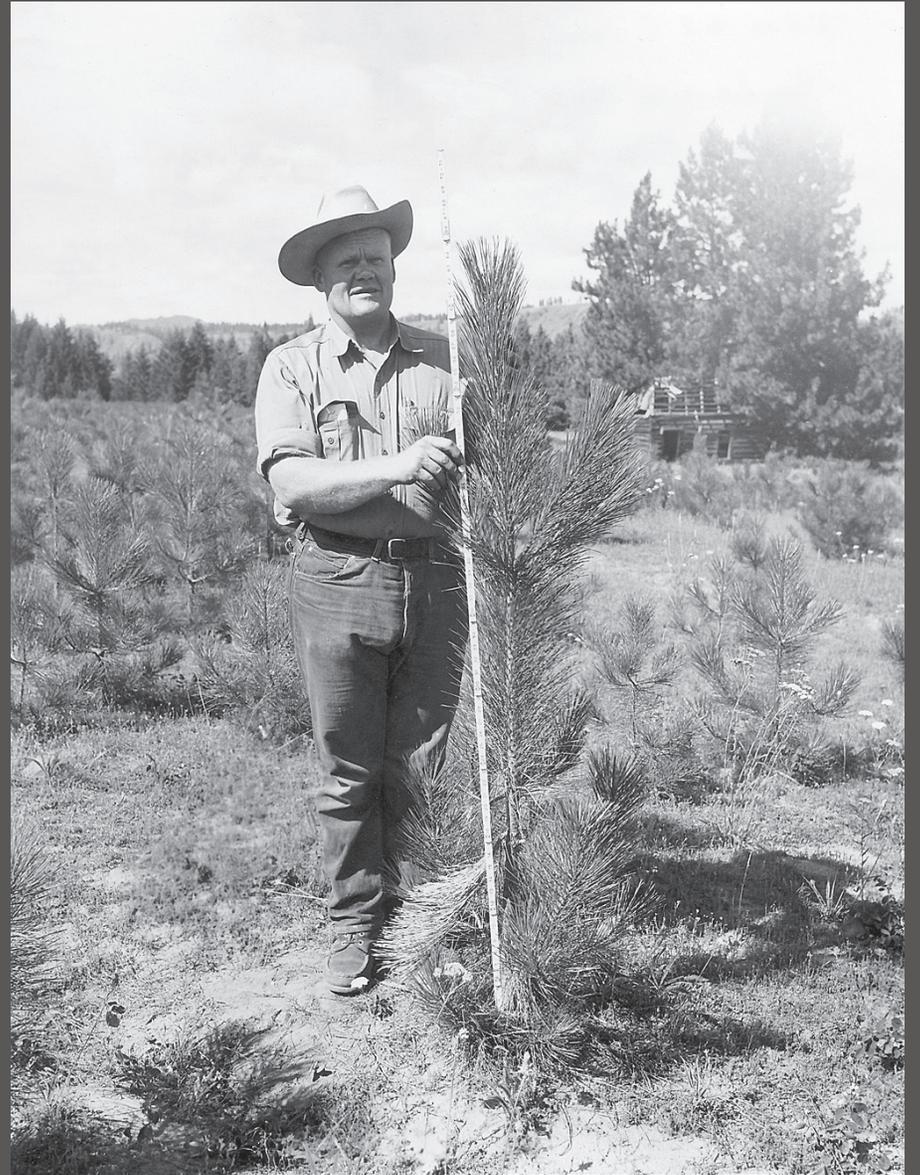


FIG. 11.



*Projections of Forest Development*





*Afforestation & "Restoration"*  
*United States Forest Service, 1954*



*Iceland*

