UNITED STATES PATENT OFFICE.

CLYDE H. TEESDALE, OF MADISON, WISCONSIN.

PROCESS FOR RENDERING LUMBER RESISTANT TO SAP-STAIN.

1,248,711. Specification of Letters Patent. Patented Dec. 4, 1917.

No Drawing. Application filed April 9, 1917. Serial No. 160,852.

(DEDICATED TO THE PUBLIC.)

To all whom it may concern:

Be it known that I, CLYDE H. TEESDALE, a citizen of the United States of America, and an employee of the Department of Agriculture of the said United States, residing at Madison, in the county of Dane, State of Wisconsin, (whose post-office address is Madison, Wisconsin,) have invented a new and useful Process for Rendering Lumber Resistant to Sap-Stain.

This application is made under the act of March 3, 1883, ch. 143 (22 Stat. 625), and the invention herein described and claimed, may be used by the Government of the United States, or any of its officers or employees, in the prosecution of work for the Government, or any person in the United States, without payment to me of any royalty thereon.

The object of my invention is to provide a process for treating lumber for preventing the staining of sapwood by *Ceratostomilla pilifera* or any other organism causing discoloration. A further object of my invention is to render the surface of the lumber antiseptic until it is dried out and ready for use.

My invention consists in treating lumber with a solution of sodium fluorid of any strength from zero to saturation and of any convenient temperature. The solution may be applied to the lumber in any suitable or convenient manner. It may be applied by dipping the material in the solution, spraying the solution on the material, brushing or painting the solution on the material, or by any other method which will satisfactorily spread the solution over the lumber. In practice, I have found that by treating lumber with a solution of sodium fluorid, in any of the methods specified, it is effective in rendering the treated material resistant to sap stain.

Having thus described my invention, I claim:

A process of rendering lumber resistant to sap stain by organisms causing discoloration, consisting in covering lumber with a solution of sodium fluorid.

In witness whereof I affix my signature in the presence of two subscribing witnesses.

CLYDE H. TEESDALE.

Witnesses:
P. R. HICKS,
GEO. M. HUNT.