

UNITED STATES PATENT OFFICE.

HENRY W. MATTICK, OF LAWRENCEBURG, INDIANA.

COMPOUND FOR FILLING THE PORES OF WOOD.

SPECIFICATION forming part of Letters Patent No. 248,334, dated October 18, 1881.

Application filed July 11, 1881. (Specimens.)

To all whom it may concern:

Be it known that I, HENRY W. MATTICK, a citizen of the United States of America, residing at Lawrenceburg, in the county of Dearborn and State of Indiana, have invented a certain new and useful Improvement in Compounds for Filling the Pores of Wood; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a new and useful compound for filling the pores of wood, and adapted for service upon articles of furniture, wooden ware, internal wooden ornamentation, and the like; and the novelty consists in the peculiar adaptation of the compound formed of several ingredients, hereinafter named, for the purpose as will be more fully set forth.

The compound is adapted to be applied to the object with a brush or similar utensil, and requires no rubbing in or cleaning off, the capillary attraction of the pores being sufficient to utilize the amount applied, be it more or less. The compound preserves the wood by closing the pores from the surrounding gases and atmosphere, and gives a finish to the surface, which will be readily cleansed from adhering matter when in use, either before or after the application of the ordinary coats of varnish.

By the use of my compound I avoid what is known as "rubbing in" of the wash, and hence avoid the use of rags, shavings, or the like in the said rubbing, which frequently, by spontaneous combustion, destroy manufactories.

In carrying out the invention I take, say, one-half gallon of linseed-oil and one-half gallon of Japan varnish. This Japan varnish is made of four ounces of kauri gum, twelve and two-eighths ounces of raw linseed-oil, four and two-eighths ounces of red lead, and thirty-six ounces of turpentine, which ingredients are boiled together. To the above-mentioned mixture of linseed-oil and japan I add one and one-half pound of English cliffstone paris-white, (or same amount of corn-starch,) and the above mixture is boiled, say, twenty minutes, (more or less,) when I add for drying purposes a solution composed of one and one-

fourth ounce of red lead, one ounce of litharge, one-half ounce of sugar of lead, one-half ounce of sulphate of zinc cut in about six ounces of turpentine, and the complete compound is ready to be drawn off and cooled.

When it is desired to use or apply the compound, about an equal proportion of naphtha or benzine is added.

I do not confine myself to the exact proportions named or to the time of boiling, as these may be varied to suit different occasions and circumstances.

This compound is readily and easily applied, and requires no subsequent treatment, and particularly avoids the cleaning or picking out from the recesses found in carving and other ornamentation.

The English cliffstone paris-white mentioned is a natural formation, and is obtained by frequent washings.

I am aware that linseed-oil, both raw and boiled, Japan varnish, red lead, turpentine, and whiting have been used with a single drier, and such is not sought to be covered in this application.

The object of employing several driers, which is a feature of my invention, is that by employing colored driers only—such as the oxides of lead, which are highly colored—the tints of the wood treated by them would be too deep. By this use of white driers, as the salts of zinc and lead, the tints of the filler are lessened, while the maximum effect of the drier is obtained.

What I claim is—

The compound for filling the pores of wood herein described, consisting of linseed-oil, kauri, Japan varnish, English cliffstone paris-white, and a liquid consisting of red lead, litharge, sugar of lead, and sulphate of zinc mixed with turpentine, the whole combined in substantially the proportions specified.

In testimony whereof I affix my signature in presence of two witnesses.

H. W. MATTICK.

Witnesses:

H. CLAY SMITH,
J. J. HALSTED.