

UNITED STATES PATENT OFFICE.

W. HENRY WINSLOW, OF BOSTON, MASSACHUSETTS.

STAIN OR PAINT.

SPECIFICATION forming part of Letters Patent No. 383,086, dated May 15, 1888.

Application filed March 3, 1887. Serial No. 229,549. (No specimens.)

To all whom it may concern:

Be it known that I, W. HENRY WINSLOW, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Dye or Stain Especially Adapted for Use upon the Surface of Wood, of which the following is a specification.

My improvement in dyes or stains for wood consists of the combination of a chloride of iron dissolved or mixed with alcohol, with or without other coloring-matter, and oil, and for certain specified purposes asphalt may also be added. This stain may be applied to the surface of the wood, either hot or cold, according as the circumstances of its use may seem to require; and in order to give the surface of the wood to which the stain is applied a better finish, as also to aid in protecting it from wear either by friction or from the action of the weather when used upon the exterior of buildings, I cover it with a coating of beeswax dissolved in spirits of turpentine.

For general use, or what may be termed a "standard stain," I find the following proportions of ingredients, compounded as specified, to give the most satisfactory results—to wit: Ten (10) pounds of sesquichloride of iron mixed with one (1) gallon of alcohol at about a boiling-temperature. To this any desired coloring-matter may be added, and this solution then mixed with about forty-five (45) gallons of heated oil, preferably a vegetable oil, although some of the cheaper kinds of animal oil may be used—such as fish-oil. If the stain is intended for use upon the exterior of wooden buildings, especially upon shingles, a small quantity of asphalt may be added, say five or six pounds.

The best method of treating shingles with my improved stain is to dip them into it after the ingredients have been thoroughly mixed and while it is still hot. For walls or interior wood-work the stain is applied with a brush in the ordinary manner.

The proportions of ingredients given above are not absolute, but may be varied within practical limits, according to the shade or tint of color which it is desired to produce, and various other chlorides of iron may be used, although for my purposes I have found the sesquichloride preferable.

The essential feature of my invention is the utilization in a practical manner upon wood of the stain produced by iron, which heretofore has been an annoyance to builders and a detriment to the appearance of exposed surfaces of wood, by reason of the accidental unsightly staining caused by the oxidation of the iron fastenings, chiefly employed in the construction of wooden buildings.

I claim—

1. A stain or dye containing as ingredients a chloride of iron, preferably a sesquichloride, dissolved in alcohol and intermixed with oil, substantially as described.

2. A stain or dye consisting of a chloride of iron dissolved in alcohol, with or without other coloring-matter, and a vegetable or animal oil and asphalt intermixed, in the manner substantially as described.

W. HENRY WINSLOW.

Witnesses:

A. E. LYONS,
R. L. ROBERTS.