

UNITED STATES PATENT OFFICE.

OLIVER S. BEALE, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN FIRE-PROOF PAINTS.

Specification forming part of Letters Patent No. **151,825**, dated June 9, 1874; application filed May 13, 1874.

To all whom it may concern:

Be it known that I, OLIVER S. BEALE, of Boston, in the Commonwealth of Massachusetts, have invented a certain compound called "Beale's Improved Fire-Proof Paint," to be used more especially for roof and other outside parts of buildings, whether of wood or other material, of which the following is a specification:

This invention relates to that class of compounds used for painting roofs and other outside parts, and is more especially recommended for its economy and its capacity for repelling fire. It consists in a compound formed by adding to a base of coal-tar other ingredients in proper quantities, which give to the whole penetrating, adhesive, and other useful qualities.

The following measures of ingredients should be substantially preserved: Mingle twenty gallons of coal-tar, two and one-half gallons boiled linseed-oil, two gallons dead-oil, two quarts japan, one pound litharge, five pounds whiting, and five pounds ground slate; and to

this mixture add two pounds bicarbonate of soda, four pounds common salt, two pounds chloride of lime, and two pounds sulphate of iron, each dissolved separately in water, using only so much water as will effectually accomplish the solution. Mingle the mass thoroughly by agitation, stirring, or in any way.

This composition penetrates the wood or other material, so as to completely adhere, and forms an enduring paint, which not only effectually protects the wood from the decay resulting from the exposure to the weather, but substantially prevents its taking fire from flying sparks or temporary flame. The tar thus mixed will not run in the sun, and is substantially deodorized.

I claim as my invention—

A paint composition consisting of the materials mingled in the proportions and manner above described.

OLIVER S. BEALE.

Witnesses:

W. F. WATSON,
CHARLES G. SAUNDERS.