

United States Patent Office.

WILLIAM W. DUDLEY, OF CENTREVILLE, INDIANA.

Letters Patent No. 106,923, dated August 30, 1870.

IMPROVEMENT IN LIQUID SLATING FOR FORMING BLACK-BOARDS, &c.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern :

Be it known that I, WILLIAM W. DUDLEY, of Centreville, in the county of Wayne and State of Indiana, have invented a certain Compound called Liquid Slating, to be used for coating or slating black-boards, and for other similar purposes.

The nature of this invention consists in compounding alcohol, shellac, pulverized pumice stone, iron-black, lamp-black, manganese, and chrome-green, to form a liquid for coating or slating black-boards, and for other purposes.

To prepare this liquid slating, take about one gallon of alcohol to dissolve one and a quarter pounds of orange shellac, and mix two parts of this solution with one part of a compound prepared by the admixture of about one and a half pounds of pulverized pumice-stone; one and a half pounds of ivory-black; three-quarters of a pound of best lamp-black; two ounces of manganese; four ounces of dark chrome-green with a sufficient quantity of alcohol, say about one-half gallon, to give it the consistency of paste.

The combination, in about the proportions stated, forms the liquid slating ready for use.

It will be found that it possesses qualities far superior to any substance for similar purposes now in use, giving to the surface to which it may be applied, a

dead-black color, non-reflective, so that characters written or marked upon a board or wall coated with it may be seen with distinctness from any point in a room regardless of the angle at which the light may strike such surface. It makes as smooth a surface as the best natural slate, and its smoothness is not easily impaired, whether writing upon it with chalk, crayon, or slate-pencil; nor will it peel off by reason of exposure or after using it for some time.

It is applicable to pasteboard to form an elastic slate, and can, in that form, be used for a great variety of purposes, which will readily suggest themselves to any one skilled in the art.

What I claim as my invention, and desire to secure by Letters Patent, is—

The manufacture or preparation of a compound, which is denominated liquid slating, of the ingredients in substantially the proportions, and for the purposes set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM W. DUDLEY.

Witnesses:

WM. H. LYNDE,
HENRY C. FOX.