

# UNITED STATES PATENT OFFICE.

WILLIAM H. HAINES, OF NEWARK, NEW JERSEY, ASSIGNOR TO HIMSELF  
AND JOHN McLORMAN, OF SAME PLACE.

## IMPROVED VARNISH FOR ENAMELING CLOTH.

Specification forming part of Letters Patent No. 51,998, dated January 9, 1866.

*To all whom it may concern:*

Be it known that I, WILLIAM H. HAINES, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Varnish for Coating Cloth, Leather, and other Substances; and I do hereby declare that the following is a full, clear, and exact description of the same.

The nature of my said invention consists in combining two or more oils or varnishes together, each oil or varnish, when separate, having a different and independent drying property, so that when admixed and used together and applied to cloth or leather in the usual method of enameling the same the combined varnish will dry in an unequal and irregular manner, and the surface of the material will present a series of regular irregular corrugations, in form and design substantially the same as the crystallization or frost-work on a window. Various ingredients may be employed in making the varnish, either when separate or combined, producing it of every degree of drying quality and of various colors, shades, and consistency, all of which would variously modify and change the appearance, design, and quality of the finished work, without, however, substantially affecting the principle or character of my said invention.

In preparing the combined varnish as now

employed by me, and which, when applied to cloth, produces a highly-finished and novel style of goods, I first take one gallon of raw linseed-oil, with which I mix five pounds of pulverized burnt umber. I then boil this admixture down to such a consistency that, when cool, it can be rolled into a hard ball. I then take one and one-half gallon of raw linseed-oil, into which I mix one pound of pulverized burnt umber, which I then heat to 500°. This latter varnish, when cool, I then admix with the boiled oil and umber before described and apply the whole combined varnish upon cloth, leather, or other material in the ordinary way of making enameled cloth or leather, as before stated.

What I claim as new and of my own invention, and desire to secure by Letters Patent of the United States, is—

A varnish made of two or more substances or admixtures in the nature of a varnish of an independent and different amount of drying property, so that when admixed and used together the surface of the varnish, when dry, will present a series of crystallizations or corrugations, substantially in the manner and for the purposes described.

W. H. HAINES.

Witnesses:

DANIEL F. TOMPKINS,  
ELIAS TAYLOR.