

UNITED STATES PATENT OFFICE.

C. D. SMITH, OF CHICAGO, ILLINOIS.

IMPROVED PAINT FOR WOOD, METAL, AND WOVEN FABRICS.

Specification forming part of Letters Patent No. **68,661**, dated September 10, 1867.

To all whom it may concern:

Be it known that I, C. D. SMITH, of the city of Chicago, in the county of Cook and State of Illinois, have invented new and useful Paint for Wood, Metals, and Woven Fabrics; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying specimens of the ingredients and of the paint itself.

The nature of my invention consists in combining several ingredients together of such a nature as to produce an elastic, durable, and of a fine appearance, paint to be applied to wood, metals, or woven fabrics.

To enable others skilled in the art to make and use my invention, I will proceed to describe its composition and preparation.

The following are the ingredients and their relative proportions: first, rosin, three hundred pounds; second, Kentucky cement, seventy-five pounds; third, iron mineral (carbonate of iron) used for paints, one hundred pounds; fourth, common glue, six pounds; fifth, india-rubber, eight pounds; sixth, lead, three pounds; seventh, linseed-oil, three gallons; eighth, benzine, forty gallons; ninth, paraffine-oil, ten gallons; tenth, gas-tar oil, five gallons.

Rosin is put in a kettle, and when melted fifty pounds of Kentucky cement are added to harden it and to drive the gas out, and both are stirred well while boiling. Linseed-oil, lead, and rubber are put together in a second kettle, are dissolved by a slow fire, and thoroughly mixed. Glue, with its double weight of water, is put into a third kettle, dissolved, and stirred. The contents of the second and third kettles then are emptied into a tub and the ingredients are thoroughly mixed; then

paraffine-oil is added and the liquid is stirred; then iron mineral is put in and the whole mass perfectly stirred and mixed; then the contents of the first kettle are emptied into this tub also and the mass is thoroughly worked. Benzine then is added and the whole is worked again. Finally gas-tar oil is put in, and the operation is repeated again until all the ingredients present one homogeneous liquid or paint. When this is done, the remaining twenty-five pounds of Kentucky cement are added to the mass and the whole is thoroughly worked. Then it is barreled and is ready for use.

In using this paint it is applied to different surfaces with a common paint-brush, adding to the above paint different ochers to produce different colors or shades, if desirable. The quantity of the above-given ingredients may be modified for different purpose. The quantity of cement, for instance, may be increased for roofing-paints, so as to make the paint harder.

The paint prepared in the above manner is perfectly elastic, durable, of beautiful polish, and never cracks, chips off, or scales. It is perfectly adapted for wooden or metallic surfaces, as also for painting canvas or other woven fabrics.

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

The paint prepared out of ingredients and in the manner herein described, and of any color, to be applied to wood, metals, and woven fabrics, substantially as herein set forth.

C. D. SMITH.

Witnesses:

J. B. TURCHIN,
JAS. R. HAYDEN.