

United States Patent Office.

WILLIAM J. DODGE, OF SYRACUSE, NEW YORK, ASSIGNOR TO HIMSELF,
JAMES L. HUMPHREY, AND DANIEL D. SMITH, OF SAME PLACE.

Letters Patent No. 72,614, dated December 24, 1867; antedated December 4, 1867.

IMPROVED PAINT.

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 J. DODGE, of the city of Syracuse, in the county of Onondaga, and State of New York, have invented a new and improved Article of Paint; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying specimens of ingredients, and of the compounded article.

The nature of my invention consists in providing a new and improved vehicle for metallic or earth paints, whereby a superior article of paint is obtained, with an important saving in the cost for the same.

My improved paint-compound is composed of the following ingredients and relative proportions, namely:

1. Raw linseed oil, five gallons.
2. Melted rosin, fifteen gallons.
3. Spermaceti, one pound.
4. Rubber, dissolved in oil, two ounces.
5. Litharge, or other drier, three pounds.
6. Sugar of lead, two ounces.
7. Gum-copal, one pound.
8. Turpentine, two gallons.

To compound these ingredients, I heat my oil to boiling, and have the rosin thoroughly melted. I then dissolve the spermaceti in a portion of the oil, also the sugar of lead and gum-copal, each separately. I then pour the balance of the oil into my mixing-tub, adding the spermaceti, sugar of lead, copal, and rubber; and then add, while the mixture is being slowly stirred, the rosin; and the castile soap having been previously dissolved in the turpentine, they are then added also. After the drier has been added, the mixture is stirred or beaten thoroughly, while yet hot, so that the mass shall have a uniform or homogeneous character, and the process is completed.

A liquid compound is thus obtained for mixing with all kinds of mineral paints, or earths, &c., which, having a considerable body in itself, largely economizes in the use of the minerals. This paint spreads evenly and freely, and gives a fine, glossy finish, and is well spoken of by quite a large number of artisans who have been supplied with the paint.

The paint may be thinned with naphtha, turpentine, or oil, the same as with common paint, and is designed to be used for all purposes where the common metallic or earth paints are employed, and like them may also be of any color.

I do not wish to confine myself to these exact relative proportions, as the quantities may be varied; but the above quantities give substantially the proper proportions of the ingredients.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The improved paint, prepared or compounded substantially as herein specified and for the purpose set forth.

WILLIAM J. DODGE.

Witnesses:

F. H. WILLIAMS,
F. A. MORLEY.