

UNITED STATES PATENT OFFICE.

FREDERICK W. BARTLETT AND CHARLES WARD, OF BUFFALO, NEW YORK.

IMPROVEMENT IN WASHES FOR COVERING BRICK SURFACES.

Specification forming part of Letters Patent No. **200,498**, dated February 19, 1878; application filed July 19, 1877.

To all whom it may concern:

Be it known that we, FREDERICK W. BARTLETT, M. D., and CHARLES WARD, both of Buffalo, in the county of Erie and State of New York, have invented a new and useful Compound, which compound is fully described in the following specification.

This invention relates to that class of compounds used in painting brick buildings to restore the original color of the brick; and it consists in a composition formed by mixing the following ingredients, to wit: For about one gallon of wash or compound we take sulphate of iron, ten ounces; sulphate of copper, four ounces; Venetian red, used as a body and to give the color requisite, sixteen ounces. To these is added one gallon of fresh milk. These, thoroughly mixed together, form a wash or compound which is not a thick compound, like common oil-paint, but is of a thinner consistency.

The proportions given above may be varied somewhat without perceptible injury to the quality of the composition. Milk seems to be indispensable, as nothing else that we have tried or can find will have the same effect on the other ingredients and add equally to the permanency of the mass. The Venetian red is used mainly on account of its red tone, to give the brick-color. Other coloring matter would do. It is applied, in the ordinary way, with a brush, and gives to the bricks composing the walls of buildings, &c., which have become stained by the action of the weather or other

causes, or where new and old brick have been used together, the appearance of the best brick, of a uniform color and quality. This is accomplished by a single application of our wash or compound.

It has other great advantages over any oil or other paint now used, such as its cheapness and the ease of applying it, instead of having to put on several coats of color, as is now the case, but mainly because it possesses valuable chemical qualities, which cause it to enter freely into the substance and pores of the brick, thus giving a permanency not otherwise or heretofore obtainable. We also avoid the glassy and shiny appearance considered so objectionable in all oil-painted brick buildings, and it will not "check" or crack or peel off, and can only be removed by solutions, thus avoiding trouble by frost or from moisture in the brick itself.

We claim—

A compound for washing brick buildings, &c., consisting of sulphate of iron, sulphate of copper, a coloring matter, and milk, incorporated in about the proportions herein set forth.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

F. W. BARTLETT,
C. WARD.

Witnesses:

J. R. DRAKE,
T. H. PARSONS.