

UNITED STATES PATENT OFFICE.

WILLIAM M. BRASHER, OF BROOKLYN, NEW YORK.

FLOOR-COVERING.

SPECIFICATION forming part of Letters Patent No. 302,977, dated August 5, 1884.

Application filed January 19, 1884. (Specimens.)

To all whom it may concern:

Be it known that I, WILLIAM M. BRASHER, a citizen of the United States, residing in the city of Brooklyn, county of Kings, and State of New York, have invented a new and useful Improvement in Floor-Coverings, of which the following is a full, clear, and accurate description.

The object of my invention is to produce a floor-covering which can be made in far less time and is cheaper than the floor-coverings now ordinarily in use, and at the same time is as durable and substantial as the ordinary floor-coverings.

The principal element of my invention is a new compound, which is made by dissolving sugar of lead in water and then adding litharge. I prefer to make this compound in the following quantities and of the following proportions: I dissolve one hundred and twenty pounds of sugar of lead in one hundred gallons of water, and after the sugar of lead is thoroughly dissolved I add one hundred and twenty pounds of litharge to the solution. In making a greater or less quantity of such compound about the same relative proportions may be preserved between the parts, although I do not intend to confine myself to the proportions or quantities specified. After this solution has been prepared I make my complete composition for floor-covering as follows: I mix together three hundred pounds of whiting, three hundred pounds of ocher, ten gallons of size made of twenty pounds of glue and ten gallons of water, ten pounds of wood pulp, twenty gallons of linseed-oil, fifteen of which are raw oil and five of which are boiled oil, and ten gallons of the above-described solution of sugar of lead and litharge. The above is a good formula for making a suitable quantity of my composition for floor-coverings; but I do not intend to confine myself to the quantities or proportions above specified, but they may be varied as desired. If the composition thus obtained is too thick, I add turpentine or naphtha to thin the mixture. The mixture is then ready to spread on the canvas, which forms the base of the floor-covering, and which is stretched on a frame. The mixture can be spread with a brush, or smoothed with a trowel, or spread by

machinery or by any proper means. After the first coat of the mixture is spread on the canvas it is dried, and then repeated coats of the mixture should be applied, repeating the drying process between each application of the mixture. The principal object of this mixture is to cement the wood-fiber firmly to the canvas. For this purpose the said mixture is more effective, while much less expensive, than those in common use.

The floor-covering can be made of any thickness desired by giving it a greater or less number of coats of the mixture.

If desired, a coat or more of this composition containing wood pulp may be used to form, with the canvas, the foundation of the floor-covering, and coats of any of the well-known floor-covering mixtures may be added thereto in forming the completed articles.

One great advantage in the use of my improved composition is the saving of time in producing the floor-covering. Ordinary oil-cloth requires sixty days to make, while owing to the facility with which the coats of my composition dry, the floor-covering may be made in twenty days, or in one-third of the time required to produce oil-cloth. The completed floor-covering can be made much cheaper, and is fully as durable and substantial as oil-cloth or the other well-known floor-coverings now in use.

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

1. The above-described composition for floor-coverings, consisting of the mixture of whiting, ocher, size, wood pulp, and oil with a solution of sugar of lead and litharge in water, substantially as described.

2. As a new article of manufacture, a floor-covering consisting of coats of a mixture of whiting, ocher, size, wood pulp, and oil with a solution of sugar of lead and litharge in water, spread upon a canvas, textile, or fibrous base, substantially as described.

In testimony whereof I have hereunto set my hand this 17th day of January, 1884.

W. M. BRASHER.

In presence of—

CHARLES G. COE,
LOUIS W. FROST.