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UNITED STATES PATENT OFFICE.

WILLIAM COWAN, OF PITTSFIELD, MASSACHUSETTS.

COMPOSITION FLOOR-COVERING.

1,140,958.

Specification of Letters Patent.

Patented May 25, 1915.

No Drawing.

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106-127

To all whom it may concern:

Be it known that I, WILLIAM COWAN, subject of the King of Great Britain, residing at Pittsfield, in the county of Berkshire and State of Massachusetts, have invented certain new and useful Improvements in Composition Floor-Coverings, of which the following is a specification.

This invention has as its object to provide a novel composition floor covering which may be readily laid or applied by anyone without experience and which will serve its purpose better than oil-cloth, linoleum, carpets, and the like, and it is also an aim of the invention to provide a floor covering of such composition that it may be laid in seamless condition, will lie flat upon uneven floors, will be water proof, capable of being readily cleaned, which will not be liable to crack or buckle, and which may be manufactured and laid at little cost.

The invention further aims to provide a composition for the purpose stated, which will prove a desirable substitute for hardwood floors and which may be prepared in any desired color or shade or in various colors with artistic effects.

The composition embodying the present invention is also well adapted for use as a finish for walls and particularly for the walls of bath rooms, halls, kitchens, and the like.

The composition consists of a mixture of paper pulp, glue, Portland cement, water, and any desired dry color, these ingredients being mixed in the proportions stated in the following formula:

40	{	Paper pulp.....	6 pounds.
		Glue.....	1 pound.
		Portland cement.....	4 pounds.
		Water.....	$\frac{1}{2}$ gallon.
		Dry color.....	$\frac{1}{2}$ pound.

The ingredients named in the above formula are thoroughly mixed and when the mixture is of the proper consistency it is applied to the floor surface to be covered and allowed to dry. The mixture being in a plastic condition when laid, will fill all hollows and cracks in the floor surface and when dry the upper surface of the covering will be perfectly flat and smooth. After the covering has become thoroughly dry it

may be finished by applying to its surface any suitable varnish or water proof substance or compound, or it may be painted or treated by various methods employed in finishing woodwork or plastered or kalsomined wall surfaces.

I have found by actual experience that a wall covering manufactured in accordance with the above formula and laid in the manner stated, will be exceptionally durable, will be easy to clean, and will not be liable to crack or become broken or buckle. While the covering is relatively hard and tough, by reason of the employment of the paper pulp, it possesses a desired degree of resiliency so that it may yield with the floor if the flooring is old or not well laid.

It is to be understood, of course, that the covering may be laid to any desired thickness but I have found that a thickness of approximately one-eighth of an inch is sufficient for all rooms of ordinary size.

It will, of course, be understood that a floor surface prepared and laid in accordance with my invention may be repaired by filling in any depressions or worn spots with a suitable quantity of the compound. In preparing the covering the glue is dissolved in a suitable quantity of water and the dry color to be employed is then added to this mixture, whereupon the whole is poured upon the paper and cement and thoroughly stirred and kneaded until of about the consistency of dough. It is then ready for use and may be spread upon the floor or other surface to be covered.

Having thus described the invention, what I claim is:

1. A plastic coating composition, consisting of paper pulp 6 pounds, glue 1 pound, Portland cement 4 pounds, and water $\frac{1}{2}$ gallon.

2. A plastic coating composition consisting of paper pulp 6 pounds, glue 1 pound, Portland cement 4 pounds, dry color $\frac{1}{2}$ pound and water $\frac{1}{2}$ gallon.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM COWAN. [L. s.]

Witnesses:

M. ELIZABETH O'BRIEN,
 IRVING H. GAMWELL.