

# UNITED STATES PATENT OFFICE.

PAUL GROEBER, OF RUTHERFORD, NEW JERSEY.

## COVERING MEANS.

No. 915,095.

Specification of Letters Patent.

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*To all whom it may concern:*

Be it known that I, PAUL GROEBER, a citizen of the United States, and a resident of Rutherford, in the county of Bergen and State of New Jersey, have invented certain new and useful Improvements in Covering Means, of which the following is a specification.

This invention relates to improvements in covering means such as are used for covering walls, and boxes, somewhat in the nature of wall paper or fabrics or leather used for covering walls.

The object of my invention is to provide such a covering which has the appearance of silk and is water proof or washable and can be formed of a body of paper fabric, leather, etc., and can be made in the original color of said paper fabric or leather, etc., or can be given any desired color and may have printed thereon ornaments, flowers, designs, etc., in one or more colors, all of which shows the silk effect in appearance.

In describing the manner of making my improved covering I will describe this covering as being made on a base of paper. This paper, for example such as is commonly used for wall paper, is first provided with a coating composed of a binder, such as starch, dextrin, casein, etc., dissolved in warm water and mixed with mica pulverized for example, to the consistency of ordinary flour. This mixture is carefully and thoroughly stirred and applied on the paper while warm and is thoroughly rubbed in by means of brushes and other appliances so as to be fully absorbed by the paper. In case the finished article is to have the original color of the paper no color is mixed with this first coating mixture but if the covering is to have a ground color then the suitable shade of color is mixed with the dextrin or other binder and pulverized mica the color used being one that is soluble in water and may be of an anilin color and earth color and oxid or any other suitable pigment. The paper with the ground coating on it is then dried. In case the covering is to be provided with ornaments in one or more colors for example, like ordinary wall paper then these colors are printed on the ground in the same manner as they are now printed on wall paper or produced thereon in any other suitable manner but the mixture of these applied colors is also composed of a binder such as

dextrin or starch and pulverized mica. The sheet of paper is dried and then is provided with a second or finishing coating which is also composed of a binder such as dextrin, starch, etc., pulverized mica, water and paraffin dissolved in kerosene or some other hydro carbon, and this second or finishing coating is applied warm and when dried the paper is run through hot embossing rollers which emboss any desired design upon the same. The paper thus may have its natural original color and be provided with two colorless coatings and then finally be embossed, or, the plain paper after having received the first coating may have produced thereon in color any desired design and then the second colorless finishing coating may be applied and then the paper embossed in the manner stated, or the first coating may be colored so that the paper has a uniform body color or ground and the second or finishing coating may be colored likewise and then the paper embossed, or, the paper may be provided with a colored ground in the manner stated and then the ornament printed thereon in color and then a colorless finishing coating applied thereon and then the paper embossed. Of course fabric, leather and other similar material may be treated in the same manner.

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

1. As a new article of manufacture, a covering composed of a flexible body and provided with a finishing coating composed of a mixture of a binder soluble in water, pulverized mica and hydro carbon, substantially as set forth.

2. As a new article of manufacture, a covering composed of a flexible body and provided with a finishing coating composed of a mixture of a binder, pulverized mica and a hydro carbon, and color, substantially as set forth.

3. As a new article of manufacture, a covering having a flexible body provided with a ground coating, composed of a binder, pulverized mica, and a finishing coating, composed of a binder, pulverized mica and a hydro carbon, substantially as set forth.

4. As a new article of manufacture, a covering having a flexible body, provided with a ground coating, composed of a binder

soluble in water and pulverized mica mixed therewith, an ornament printed on said ground, in colors mixed with a binder soluble in water and pulverized mica, and a finished  
3 coating composed of a mixture of a binder of pulverized mica, and a hydro carbon, substantially as set forth.

Signed at Rutherford in the county of Bergen and State of New Jersey this 21st day of May A. D., 1907.

PAUL GROEBER.

Witnesses:

OSCAR F. GUNZ,  
PAUL GROEBER, Jr.