

UNITED STATES PATENT OFFICE.

AMELIE ERHARD, OF NEW YORK, N. Y.

IMPROVED COMPOSITION FOR FLOCKING CLOTH, PAPER, &c.

Specification forming part of Letters Patent No. **44,944**, dated November 8, 1864.

To all whom it may concern:

Be it known that I, AMELIE ERHARD, of the city of New York, in the county and State of New York, have invented a new and improved composition for the purpose of being applied to any manufactured tissue, or to paper or leather, so as to communicate the appearance of cloth-velvet to such tissue, of which the following is a specification.

This composition is made from silk, woolen, or cotton flocks, and mixed with gold, silver, and steel powders capable of receiving any known color, and being applied, with the aid of varnish, to all kinds and descriptions of tissues, and to paper and leather, so as that such tissue or paper or leather to which the composition is applied shall resemble cloth-velvet, and assume all the appearance of that article.

The nature of my invention consists in silk, cotton, or woolen flock mixed with gold, silver, and steel powders, and in applying the same with varnish tinted with any selected color to any manufactured tissues or to paper or leather, which composition, when so applied and mixed, gives to the tissue, whatever may be the foundation of the fabric, the appearance of cloth-velvet of a highly-ornamental and beautiful description.

The tissues to which this composition may be applied are adapted to the manufacture of ladies' and children's hats and bonnets, and to the manufacture of gentlemen's hats, or to the manufacture of any other desired article to which it may be deemed fitting or convenient to apply it. The cloth so made by the aid of this composition is to be called "The Golden Dew Cloth Velvet." It may be made mixed with the gold, silver, or steel powders.

To enable others skilled in the art to make and use my invention, I will proceed to describe its manufacture, mixture, construction, and application.

I take any manufactured tissue, whether of

leather, paper, or other material. I then spread a light coating of colored varnish with a brush over the tissue, which must be spread tight on a frame. The varnish used is the usual varnish of turpentine, and is colored with dry paint of any desired color, water-colors alone being used. The dry paint is pulverized, and mixed with the varnish in the proportion of one-twentieth part of the color, being eight-tenths of an ounce, to a pint of varnish. After this operation is completed, and having previously mixed powder of gold, silver, or steel, whichever may be selected, with the flock, whether of silk, wool, or cotton, in the proportion of a quarter of a pound of the powder used to one pound of the flock, (which is already dyed with any chosen color,) I take a fine wire sieve and hold it over the tissue, prepared as before stated, while the varnish is yet fresh and adhesive, and immediately apply the flock thus colored and mixed with powder to the varnished tissue. The article called "cloth-velvet" is thus completed when dried.

The powders above mentioned are as follows: The gold powder is what is commonly called "bronze" powder. The silver powder is made from white German metal; the steel powder from steel filings pulverized. All these powders are known in commerce.

What I claim as my invention, and desire to secure by Letters Patent, is—

The mixing of the several powders, substantially as above described, with the flock, and the application of the same to the varnished tissue, thus producing the beautiful appearance which the cloth-velvet presents, and which combination has never before been known or used.

AMELIE ERHARD.

Witnesses:

FREDERICK H. B. BRYAN,
ISAAC S. BRYAN.