

UNITED STATES PATENT OFFICE.

FREDERICK MENCKE, OF NEW YORK, N. Y.

ORNAMENTING FABRICS FOR COVERING WALLS.

SPECIFICATION forming part of Letters Patent No. 333,881, dated January 5, 1886.

Application filed September 10, 1885. Serial No. 176,965. (Specimens.)

To all whom it may concern:

Be it known that I, FREDERICK MENCKE, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Ornamenting Fabrics, of which the following is a specification.

My invention relates to flocking silk and satin fabrics; and it consists both in the process or method by which I carry out my invention and in the article produced.

In carrying out my invention I take silk or satin fabric and print on the surface thereof, with suitable dies, any desired pattern or design with a suitable adhesive substance or size—such, for example, as dissolved gum-arabic—so making an adhesive film or foundation on the goods of the desired design or figure for the subsequent ornamentation with flock. I then apply varnish to said pattern or design on the goods, using by preference “flocking-varnish,” so called. The varnish may be applied in any convenient manner—as, for instance, it may be printed on the goods with dies of the same patterns as those used for the size. While the varnish is still wet I apply flock upon the surface of the goods in the usual manner. When, however, I employ printing-rollers, I omit the size and apply the varnish directly to the surface of the goods by means of the rollers, the varnish being first distributed to the design or pattern on the roller, and then printed on the silk or satin by the roller, the goods being then submitted to the flocking process while the varnish is still wet.

When I desire to use my flocked silk or satin goods for wall decoration or other similar purposes, I first mount the silk or satin upon paper as follows: I take paper of suitable quality and size it on one side with ordinary size, glue, starch, or similar material, and then, after the size is dry, I put a coat of varnish over the size, and when the varnish is dry I take the silk or satin to be flocked and bring its back surface or “wrong side” in contact with the varnished surface of the paper, and cause the silk or satin to adhere to the paper by means of the varnished coating on the paper. I accomplish this object by means of heat and pressure, using heated rollers or heated irons, for example, between which the fabric and paper are passed, so as to melt the varnish and cause the fabric to adhere to the paper.

The pressure is so applied by means of the rollers or other appliances which are used to unite the fabric and paper together as to smoothen out the silk or satin fabric in every direction to its full extent while it is being united to the paper.

The paper must be of such dimensions as to cover the back of the silk or satin, and may be in sheets or in a continuous roll, as may be convenient.

When the silk or satin has been provided with a backing of paper, it is then ready to be flocked, and I proceed to apply flock to it in the manner before described, first printing the design on the surface to be decorated in size and varnish, or varnish alone, as hereinbefore described, and then applying the flock to the still wet varnish, as before explained.

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

1. The method of making flocked silk or satin, substantially as above described, consisting in providing it with a backing of paper by means of a coating of varnish and the use of heat and pressure, and then printing on the silk or satin the desired design in size and varnish, or varnish alone, and then passing the fabric through a flock-chamber and applying flock to the surface while the varnish of the pattern or design is wet or sticky, substantially as described.

2. The method, substantially as above described, of producing flocked silk or satin by printing thereon the desired design in size and varnish, or varnish alone, and then applying flock to the varnished design while still wet, substantially as described.

3. As a new article of manufacture, silk or satin for wall-decoration or other purposes, provided with designs on its surface in flock, substantially as described.

4. As a new article of manufacture, silk or satin for wall-decoration or other purposes, having a backing of paper, as set forth, and provided on its front face with designs in flock, substantially by the method above described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

FREDERICK MENCKE. [L. S.]

Witnesses:

A. FABER DU FAUR, Jr.,
E. F. KASTENHUBER.