

United States Patent Office.

EUGENE ARNHEIM, OF NEW YORK, N. Y.

Letters Patent No. 106,024, dated August 2, 1870.

IMPROVED FABRIC FOR HEAD-COVERINGS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, EUGENE ARNHEIM, of the city, county, and State of New York, have invented a new and improved Fabric for Head-Coverings and other Articles; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same.

This invention relates to a fabric which is prepared by taking cloth or any other suitable fabric, dipping the same in or coating it with copal varnish, or in any other varnish of suitable consistency, then covering its surface with a compound of flock and flour, and, finally, coating the whole with a paste made of starch and wax, spermaceti, or paraffine, and then exposing the fabric to a pressure in dies of any desirable formation, which are gently heated, in such a manner that, by the surface-paste, a certain gloss and semi-transparency are imparted to the fabric, and, by the action of the dies, the fabric can be made to imitate horse-hair, straw, or any other material.

In carrying out my invention, I take a piece of muslin, buckram, or other suitable material, and coat the same with copal or other varnish, by dipping it in the varnish, or by spreading the varnish over it with a brush or otherwise.

Before the varnish is dry, I apply my compound of flock and flour, said compound being made of one part of fine flour, two parts of flock, and one part of the desired coloring matter, all perfectly dry and in the form of powder, the varnished fabric being either

dipped into this compound, or the compound being sifted over the fabric.

After the varnish has dried, the surplus flock compound is brushed off, and then I apply a paste made of starch and spermaceti, paraffine, or wax, one part of wax or spermaceti, or paraffine, being mixed, in a melted state, with twenty parts of starch, while the paste is making.

The fabric, prepared as previously described, and having been covered with the paste or surfacing compound, is then subjected to the action of dies gently heated, and, by applying pressure, the desired ornamentation or surface is produced on the fabric.

The surfacing compound prevents the fabric from adhering to the dies, while the heat causes the varnish and the flock compound to adhere to the fabric, and, at the same time, the configuration or ornaments represented on the dies are fully brought out, and, by the surface compound, a certain gloss and semi-transparency are imparted to my fabric, which is necessary for imitating straw, horse-hair, or other fabrics generally used for head-coverings.

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

A fabric produced by coating cloth or other fabric with varnish and a compound of flock and flour, when water-proofed in the manner as herein described.

EUGENE ARNHEIM.

Witnesses:

W. H. MELICK,
MARION GRIMES.