

United States Patent Office.

DAN A. CONNOR, OF MILFORD, CONNECTICUT, ASSIGNOR TO HIMSELF, CHARLES RODER, AND ROBERT E. WIRSCHING, OF SAME PLACE.

Letters Patent No. 92,269, dated July 6, 1869.

IMPROVED WATER-PROOF FABRIC FOR THE MANUFACTURE OF HATS AND OTHER ARTICLES.

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, DAN A. CONNOR, of Milford, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Water-Proof Coating; and I do hereby declare the following to be a full, clear, and exact description of the same.

This invention relates to coating or water-proofing various articles, especially such as are to be embossed by means of dies, particularly adapted to the manufacture of hats from fabrics in imitation of braid, but alike applicable to other purposes; and

My invention consists in first coating the article with a solution of India rubber, and when the rubber is in an adhesive state, covering the coated surface with cotton ground to powder, then painting the surface with collodion, giving it the required tint, and finally varnishing the coated surface with shellac.

To enable others skilled in the art to prepare and use my improvement, I will proceed to a full description of the same.

The rubber-gum is brought into a state of solution by means of benzine, naphtha, or other equivalent, which will dissolve the gum, and bring it to a liquid state. Then, over the surface to be coated, the rub-

ber solution is spread with a brush, or other suitable means, and, while the rubber is still in an adhesive state, (that is, immediately after coating,) I cover the gummed surface with cotton ground to powder, shaking the excess from the surface, and after the surface has become thoroughly dry, I paint with collodion, mixing with the collodion any tint which it is desired to give to the surface, and, when the paint is dry, varnish with shellac. The surface, thus prepared, is susceptible of being embossed in the most perfect manner, making this coating peculiarly adapted to the manufacture of hats from fabrics to which, by means of dies, is given an imitation of braid, but is alike applicable for other purposes.

Having fully described my invention,

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

Coating the surface of articles with a compound, prepared and applied substantially as set forth.

DAN A. CONNOR.

Witnesses:

A. J. TIBBITS,
J. H. SHUMWAY.