

UNITED STATES PATENT OFFICE.

BERNARD DREYFUSS AND SAMUEL SACHS, OF NEW YORK, N. Y.

IMPROVEMENT IN THE PROCESS OF FINISHING CARD-BOARD FOR PERFORATING.

Specification forming part of Letters Patent No. **190,477**, dated May 8, 1877; application filed March 10, 1877.

To all whom it may concern:

Be it known that we, BERNARD DREYFUSS and SAMUEL SACHS, of the city, county, and State of New York, have invented a new and Improved Process for Finishing Silver Card-Board for Perforating Purposes, of which the following is a specification:

Our invention relates to a process for finishing card-board; and it consists in coating a suitable quality of card-board with a mixture of powdered metallic zinc, glue, starch, and wax.

The process is particularly designed for the preparation of card-board to be afterward perforated.

In carrying out our invention, we take two and one-half pounds of glue and the same quantity of starch, and dissolve them separately in water in the usual way, and, when thus prepared, we mix them together and add twelve pounds of finely-divided metallic zinc and seven ounces of bees-wax, which is melted and strained. We then thoroughly mix all of the ingredients together, at the same time adding sufficient water to thin the mixture, so that it may be readily applied to the card-

board with a brush. We then take a strong quality of card-board and coat it upon one or both sides with the mixture above described, and when the coating becomes dry, we finish the surface of the paper by passing it, under heavy pressure, between calendering or bur-nishing rolls.

The board has now a bright silvery surface, which is very hard, and well prepared for perforation in the usual way, and is peculiarly adapted to needle-work, such as is usually put upon perforated board, and, as it is hard and smooth, it can be worked upon more easily than the ordinary board.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The process of finishing card-board by coating it with a mixture of finely-divided metallic zinc, glue, starch, and wax, and afterward calendering it, as herein set forth.

BERNARD DREYFUSS.
SAMUEL SACHS.

Witnesses:

C. SEDGWICK,
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