

W. HORNICH & R. LIEBMANN.

Apparatus for Covering Button-Molds.

No. 152,111.

Patented June 16, 1874.

Fig. 1.

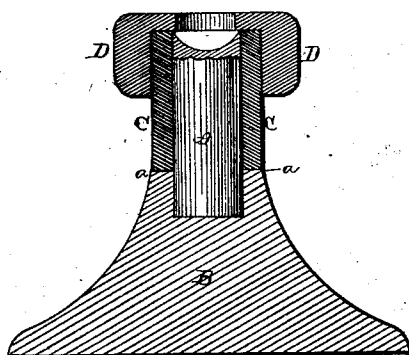


Fig. 2.



WITNESSES.

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UNITED STATES PATENT OFFICE.

WILLIAM HORNICH, OF NEWARK, NEW JERSEY, AND RUDOLPH LIEBMANN,
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IMPROVEMENT IN APPARATUS FOR COVERING BUTTON-MOLDS.

Specification forming part of Letters Patent No. **152,111**, dated June 16, 1874; application filed
May 25, 1874.

To all whom it may concern:

Be it known that we, WILLIAM HORNICH, of Newark, New Jersey, and RUDOLPH LIEBMANN, of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Apparatus for Covering Button-Molds; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention is designed to facilitate the operation of making covered buttons—that is, buttons such as are generally used upon ladies' dresses, and covered with the same material, the molds being usually made of wood. The button itself also being novel in its construction, will form the subject-matter of another application.

This invention consists in a post, A, provided with a suitable support, B, said support also forming a shoulder, *a*, about two inches, more or less, below the top of the post, the object of which will be hereinafter explained. The top of the post is made concave to correspond with the convex surface of the button-mold, although a mold having a flat surface can be used just as well. The circumference of the post must also correspond with that of the button-mold. An adjustable sleeve, C, fits snugly around the post A and against the shoulder *a*, and extends to the top of the post, and over all is fitted an adjustable cap, D, having a hole in the top corresponding in size to the cap or back plate of the button, all substantially as shown.

The machine is operated as follows: First, the cap D being removed, the sleeve C is raised so that its top projects about a quarter of an inch above the top of the post A. The material of which the button is to be covered is then placed on top of the sleeve, and the button-mold is placed thereon with the convex

side down, and with the thumb or finger pressed into the cavity until it rests on the top of the post A, which forces the covering to close up around the button-mold, smooth and tight. The cap is then adjusted on the top of the sleeve, and pressed firmly down until the sleeve rests upon the shoulder *a*. The inner edge of the hole through the top of the cap is tapered, so that as the cap is thus pressed down it forces the edges of the covering material inward on the back of the button-mold. This being done the cap or back of the button, which is made of thin sheet metal, concave, and has a hole in the center, is inserted into the hole in the cap with the concave side down, and pressed down upon the button. A punch, E, the end being concave to correspond with the shape of the button-cap, is then inserted into the hole, the concave end resting upon the said button-cap, and striking the punch a smart blow with the hand or a light hammer the button-cap is forced down upon the covering, and the mold, having a recess to fit the cap, is jammed therein sufficiently tight to retain it temporarily. The cap D is then removed and the eye of the button, which is provided with a screw-shank, is then inserted through the hole in the button-cap, and screwed into the button-mold, which securely fastens both the cap and the covering.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent of the United States, is—

The post A, the sleeve C, the cap D, and punch E, when constructed and operated substantially as and for the purposes set forth and shown.

In testimony that we claim the foregoing as our own invention we affix hereto our signatures in presence of two witnesses.

WILLIAM HORNICH.
RUDOLPH LIEBMANN.

Witnesses:

JOHN W. COLLINS,
GEO. H. WILSON.