

W. HORNICH.

Buttons.

No. 166,277.

Patented Aug. 3, 1875.

Fig: 1.

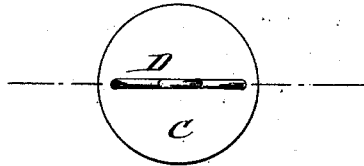


Fig: 2.

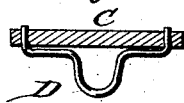


Fig: 3.

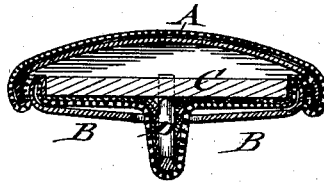
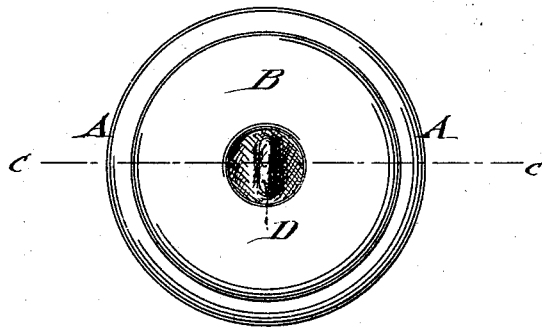


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM HORNICH, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **166,277**, dated August 3, 1875; application filed June 19, 1875.

To all whom it may concern :

Be it known that I, WILLIAM HORNICH, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Button, of which the following is a specification:

The object of my invention is to so improve the manufacture of cloth-covered buttons that they may not only be attached in an easier and quicker manner to the coats, &c., but also be made of more durable and reliable construction.

The invention consists of a button which is made with a loop-shaped re-enforcing wire, retained by the metallic shells of the same, for strengthening the fastening fabric of the same.

In the accompanying drawing, Figures 1 and 2 respectively represent bottom and side views of the re-enforcing wire as attached to interior disk of button. Fig. 3 is a vertical central section of the furnished button on the line *c c*, Fig. 4; and Fig. 4, a bottom view of the same.

Similar letters of reference indicate corresponding parts.

A represents the upper, and B the lower, perforated metallic shell of my button; and C, the interior filling-disk, of pasteboard or other suitable material, which parts are all made and applied in the customary manner to retain the outer covering fabric and the bottom fastening part. For the purpose of strengthening the cloth section, by which the button is sewed on, and which is extended to the outside of the lower shell, and also for preventing the frequent and annoying tearing out of the same, especially when strained or not carefully manufactured, I introduce a bent wire piece, D, that is driven by suitable machinery with

its ends into the filling-disk, and formed centrally between the ends into a U-shaped loop of the size of the central perforation of the lower shell B, so that the loop or eye may project through the same when finishing the button and inserting the disk, and re-enforce thereby the cloth section used for attaching the button. The bent re-enforcing wire D forms an eye of such stiffness that the button may be readily sewed on by pressing it on the cloth, which indicates at the opposite side clearly the exact position of the button, and admits the rapid and easy passage of the needle through the eye without feeling for the button, as heretofore.

By sewing on the button with the wire in the direction of the button-hole the same closes easier over the eye part without being widened.

The button cannot tear out by use, as it retains its resistance to wear on account of its strong and substantial construction, being also advantageous to tailors, &c., by the economy in time and labor required for sewing on the button.

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

As an improvement in buttons, the combination, with the inner filling-disk, of a bent wire, projecting, by its central loop or eye part, through the perforation of the lower shell to re-enforce the cloth section by which the button is sewed on, substantially in the manner and for the purpose set forth.

WILLIAM HORNICH. [L. S.]

Witnesses:

AUG. SIPPEL,
TAYA MOSS.