(No Model.)

F. R. WHITE & C. M. PLATT.

BUTTON.

No. 567,529. Patented Sept. 8, 1896.

Fig. 1.

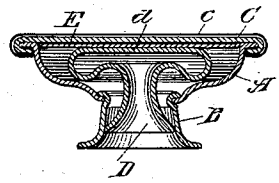


Fig. 3.

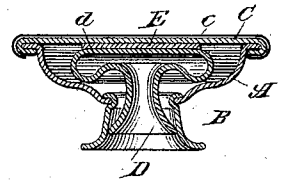


Fig. 2.

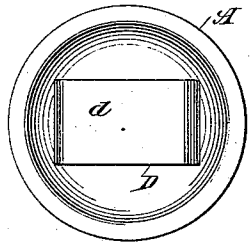


Fig. 4.

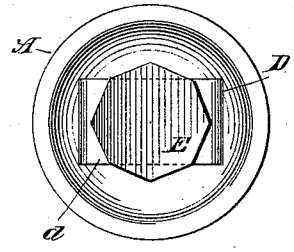
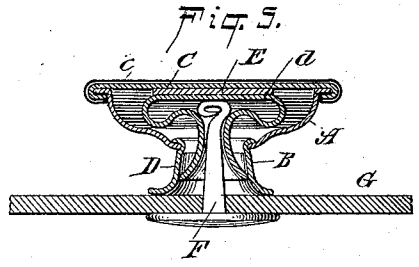


Fig. 5.



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UNITED STATES PATENT OFFICE.

FRANKLIN R. WHITE AND CLARK M. PLATT, OF WATERBURY, CONNECTICUT.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 567,529, dated September 8, 1896.

Application filed April 17, 1895. Serial No. 546,039. (No model.)

To all whom it may concern:

Be it known that we, FRANKLIN R. WHITE and CLARK M. PLATT, citizens of the United States, and residents of Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Buttons, of which the following is a specification.

Our invention relates to an improvement in buttons, and more particular to cloth-covered buttons designed to be secured to fabric by means of a tack or metal fastener. Heretofore it has practically been impossible to make and use buttons of this description, owing to the fact that in fastening the button to the fabric the force used to upset or curl the tack within the button and secure it in place would, in many instances, cause the outer cloth covering on the face of the button to be broken or disintegrated by impinging it against the die adjacent to the button-face, and this result followed even though said die were provided with a smooth or polished surface.

The object of our invention is to overcome this difficulty and to provide a cloth-covered button which may be secured to the fabric by means of a tack or metal fastener without injury to the cloth covering.

With this end in view our invention consists in certain novel features of construction and combinations of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional view of our improved button, showing the cushion extending entirely across the top of the button. Fig. 2 is a top plan view of the button with the face-plate and cushion removed. Fig. 3 is a sectional view showing the cushion extending partially across the button. Fig. 4 is a top plan view of the button shown in Fig. 3 with the top or face plate removed. Fig. 5 is a view similar to that shown in Fig. 3 after the button has been attached to the cloth or fabric.

Referring to the drawings, A represents the under or lower plate of the button, to which is secured the hub B, and C the top or face plate covered on its outer side or surface with the cloth or fabric *c*, the several parts being secured together in the usual manner, as shown.

Within the button is secured the die or anchor D, preferably made of one piece of metal and extending downwardly within the hub B, the top or face plate *d* of said die being slightly lowered or separated from the face-plate C of the button.

Between the top plates C of the button and *d* of the die is inserted a cushion E, preferably made of soft metal, such as lead, and extending entirely across the button, as shown in Fig. 1, or partially across, as shown in the other figures. The object, purpose, and effect of this cushion is to take the force of the blow or injurious pressure exerted by the button-fastening machine on the face of the button by slightly yielding thereto, and thus save the cloth covering the face of said button from disintegration or injury.

In practice the tack or fastener F is forced through the cloth or fabric G into the die D, wherein it is upset or curled, as shown in Fig. 5, the force or pressure exerted to accomplish this end causing the cushion E to slightly yield and thus prevent injury to the cloth *c*.

It will be apparent to those skilled in the art that many changes or modifications might be made in the construction and arrangement of the die and in the several parts of the button without departing from our invention, the gist of which lies in the use of a cushion inserted between the die and button-face to prevent injury to the cloth covering. We do not, therefore, limit our claims to the exact details of construction shown and described, but

What we claim is—

1. A cloth-covered button constructed with a die and face-plate, and a cushion inserted between them, substantially as and for the purpose described.

2. A cloth-covered button constructed with top and bottom plates, a die contained be-

tween said plates, and a cushion inserted between said die and face-plate, substantially as described.

3. A cloth-covered button constructed of the plates A, C, and hub B, a die D, and a soft-metal cushion E, the several parts being constructed and arranged, substantially as described.

Signed at Waterbury, in the county of New Haven and State of Connecticut, this 29th day of October, A. D. 1894.

FRANKLIN R. WHITE.
CLARK M. PLATT.

Witnesses:
B. H. BRISTOL,
JAY H. HART.