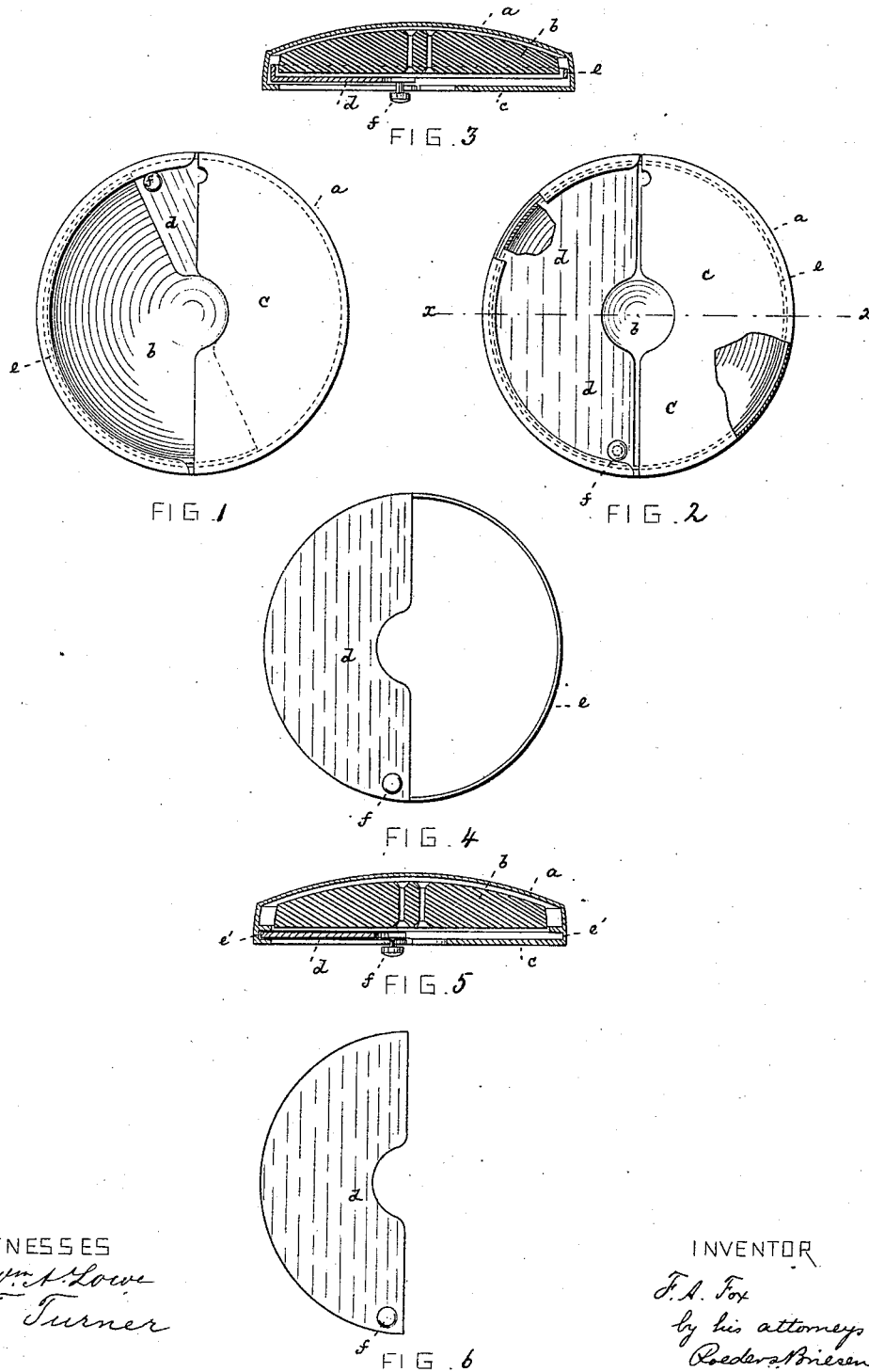


(No Model.)

F. A. FOX.  
BUTTON.

No. 346,649.

Patented Aug. 3, 1886.



WITNESSES

*Wm. H. Lowe*  
*F. Turner*

INVENTOR

*F. A. Fox*  
*by his attorneys*  
*Boeders & Boersen*

# UNITED STATES PATENT OFFICE.

FRANK A. FOX, OF NEW YORK, N. Y., ASSIGNOR OF ONE-FOURTH TO HENRY R. SMITH, OF SAME PLACE.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 346,649, dated August 3, 1886.

Application filed May 12, 1886. Serial No. 201,943. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK A. FOX, of the city of New York, county and State of New York, have invented a new and Improved Button, of which the following specification is a full, clear, and exact description.

This invention relates to a metal cap which may be removably applied to a button, so that the button may be worn either with or without the cap.

The invention consists in the features of improvement hereinafter more fully pointed out.

In the accompanying drawings, Figure 1 is a bottom view of the button and cap, showing the slide open. Fig. 2 is a similar view showing the slide closed. Fig. 3 is a section on line *xx*, Fig. 2. Fig. 4 is a detail view of the slide. Fig. 5 is a cross-section through a modification, and Fig. 6 a detail view of the slide used with such modification.

The letter *a* represents the bulged or cup-shaped metallic cap of a button, adapted to be placed over the button proper or head, *b*. The rear of the cap *a* is partly closed by a semicircular bridge or plate, *c*, leaving one-half or more of the cap open, so that through such opening the head may be introduced.

*d* is a preferably semicircular slide placed into cap *a*, and free to be revolved, so as either to close said opening at the back of the cap, as shown in Fig. 2, or to leave the same unobstructed, as shown in Fig. 1. In the latter

case the slide is concealed beneath plate *c*. Both the plate *c* and slide *d* are cut out at the center to form a circular opening between them, Fig. 2, through which the threads which attach the button to the garment are free to pass.

In order to prevent the slide from dropping out of the cap, and at the same time for guiding the motion of such slide, it is provided with a semicircular narrow band, *e*, that connects opposite ends of its straight side. A knot, *f*, facilitates the operation of the slide.

In use the slide is first opened, as in Fig. 1, and then the button is introduced and the slide is closed, as in Fig. 2, when the cap will be properly secured in place. To remove the cap the slide is opened.

In the modification shown in Figs. 5 and 6 the band *e* is dispensed with, and is replaced by a groove, *e'*, extending around the cap at its inner side. This groove receives the outer edge of the slide, and serves to hold and guide it during its motion.

I claim as my invention—

The combination of head *b* with cap *a*, having back plate, *c*, and slide *d*, adapted to be opened or closed for the admission and retention of head *b*, substantially as described.

FRANK A. FOX.

Witnesses:

F. V. BRIESEN,  
R. H. ROY.