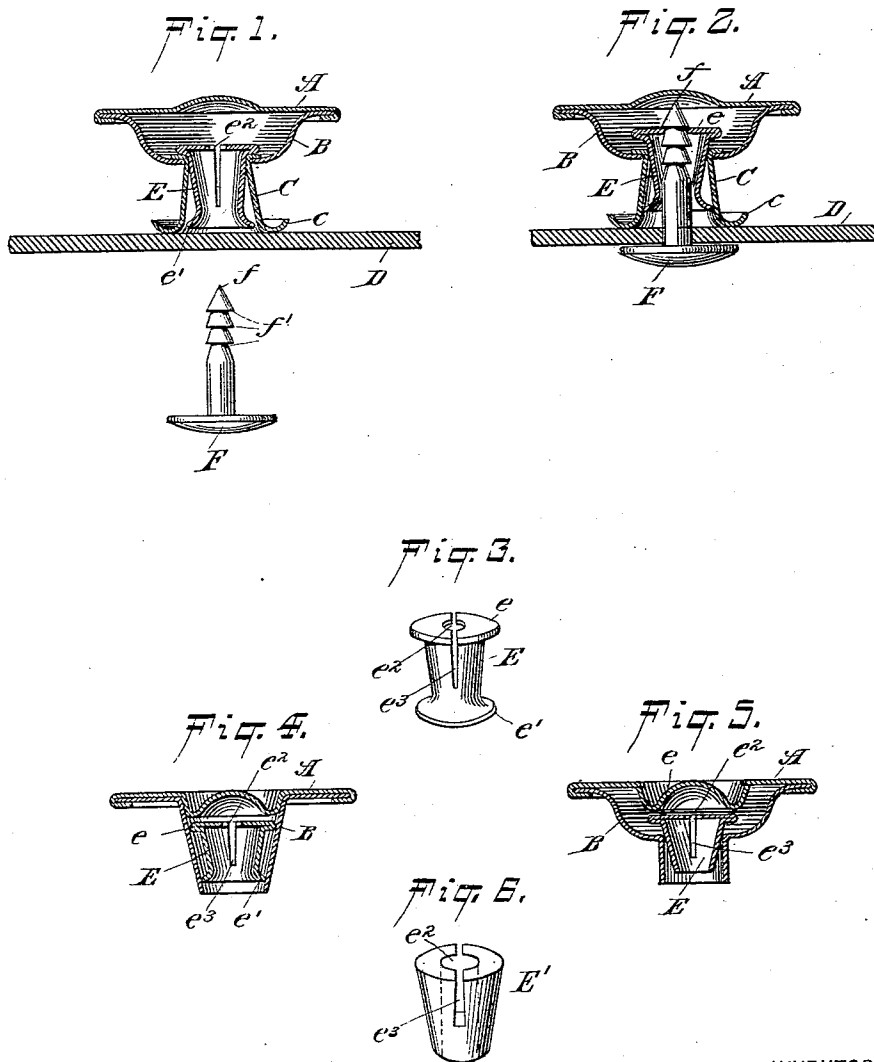


(No Model.)

I. G. PLATT.
BUTTON.

No. 559,906.

Patented May 12, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

IRVING G. PLATT, OF WATERBURY, CONNECTICUT.

BUTTON.

SPECIFICATION forming part of Letters Patent No. 559,906, dated May 12, 1896.

Application filed March 25, 1895. Serial No. 543,098. (No model.)

To all whom it may concern:

Be it known that I, IRVING G. PLATT, a citizen of the United States, and a resident 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.

My invention relates to an improvement in buttons, the object being to provide an article of this kind or character which shall be simple and cheap to manufacture and be capable of being easily and readily attached to cloth by means of a metal fastener.

With these and other ends in view my invention consists in certain novel features of construction and combination of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional view of my improved button before being attached to the cloth or fabric. Fig. 2 is a similar view after attachment. Fig. 3 is a perspective view of the eyelet. Figs. 4 and 5 are views of modifications. Fig. 6 shows a modified form of the cone.

Referring to the drawings, A represents the top plate of the button, B the lower plate, and C the hub, the several parts being secured together by overturning the edges in the usual manner. It will be seen that the hub is in the form of a hollow truncated cone, the sides extending outwardly toward the bottom, the base or extreme lower edge *c* being slightly flanged or curved to prevent injury to the cloth or fabric D. Within the hub C is fitted the eyelet E, also in the form of a truncated cone, the sides extending outwardly toward the top, the top and bottom edges *e e'* being flanged outwardly, the upper edge resting on the upper overturned end of the hub and the lower one slightly smaller in diameter than that of the bottom of the hub, this construction allowing the eyelet to be slightly raised within the latter, as shown in Fig. 2. The top of the hub is provided with a hole or opening *e²* and is split across the top and part way down the sides, as shown in Fig. 3.

F represents the metal fastener, preferably pointed at one end and provided with the shoulders *f'*. In practice the fastener F is forced through the cloth or fabric G into the eyelet E, the piercing end of said fastener passing through the opening *e²* therein and raising said eyelet until the lower flange *e'* thereof strikes against the sides of the hub C,

as shown in Fig. 2. In forcing the fastener through the eyelet the upper slitted end of the latter is slightly spread apart and tightly grasps the metal fastener, the shoulders *f'* on the latter effectually preventing the withdrawal thereof.

Instead of forming both the eyelet and the button-hub in the form of hollow truncated cone one of them, either the hub or the eyelet, may be made straight and the other in the form first described. For instance, in Fig. 4 I have shown the hub of the button in the form of a truncated cone and the eyelet straight or substantially straight, the top plate A of the button being curved downwardly to limit the upward vertical movement of the eyelet. Again, in Fig. 5 I have shown the sides of the hub of the button straight and the eyelet itself in the form of a truncated cone, the effect in both the latter instances being the same as that described with relation to Fig. 1. Again, instead of forming the inner movable cone in the form of a hollow eyelet it might be made, as I have shown in Fig. 6, of solid metal, having the opening *e²* bored entirely through it for the passage of the tack or fastener. In this form the cone would be split, as in the former instances and as shown at *e³*, the upper ends of the cone after being split being slightly forced together in order to give it the necessary spring to grip or hug the tack or fastener when forced through it.

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

1. A button containing an eyelet vertically movable therein, and having its sides split, whereby it is adapted when raised to receive a tack or rivet, and when lowered to grip or clutch the same, substantially as described.

2. A button constructed with upper and lower plates, and a downwardly-projecting hub, and an eyelet E in the form of a truncated cone, contained and vertically movable therein, and having its sides split, substantially as described.

Signed at Waterbury, in the county of New Haven and State of Connecticut, this 14th day of March, A. D. 1895.

IRVING G. PLATT.

Witnesses:

LEWIS A. PLATT,
JAY H. HART.