

No. 626,399.

Patented June 6, 1899.

J. V. WASHBURNE.
EYELET ATTACHMENT FOR BUTTONS.

(Application filed Oct. 27, 1897.)

(No Model.)

Fig. 1

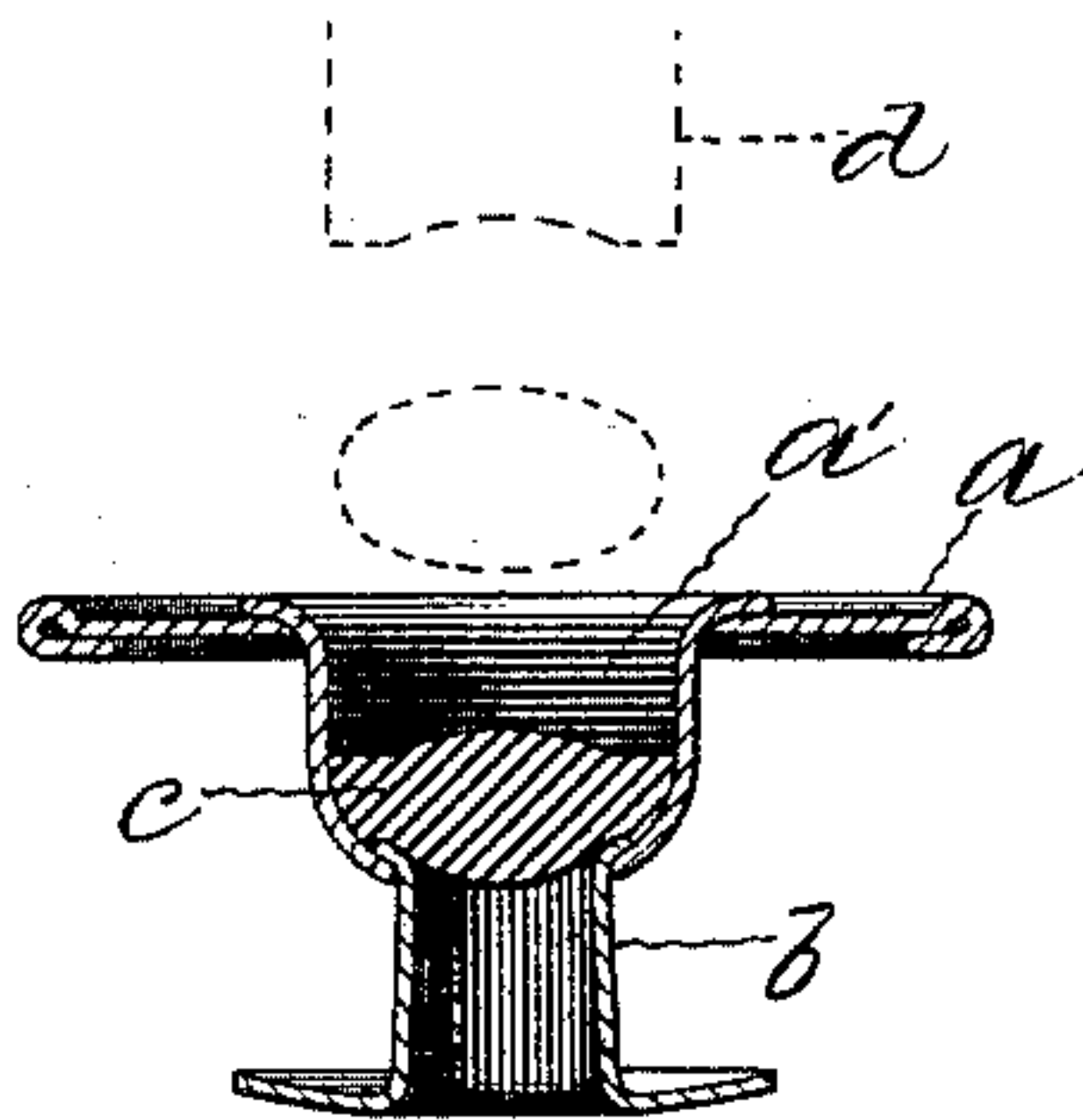


Fig. 2

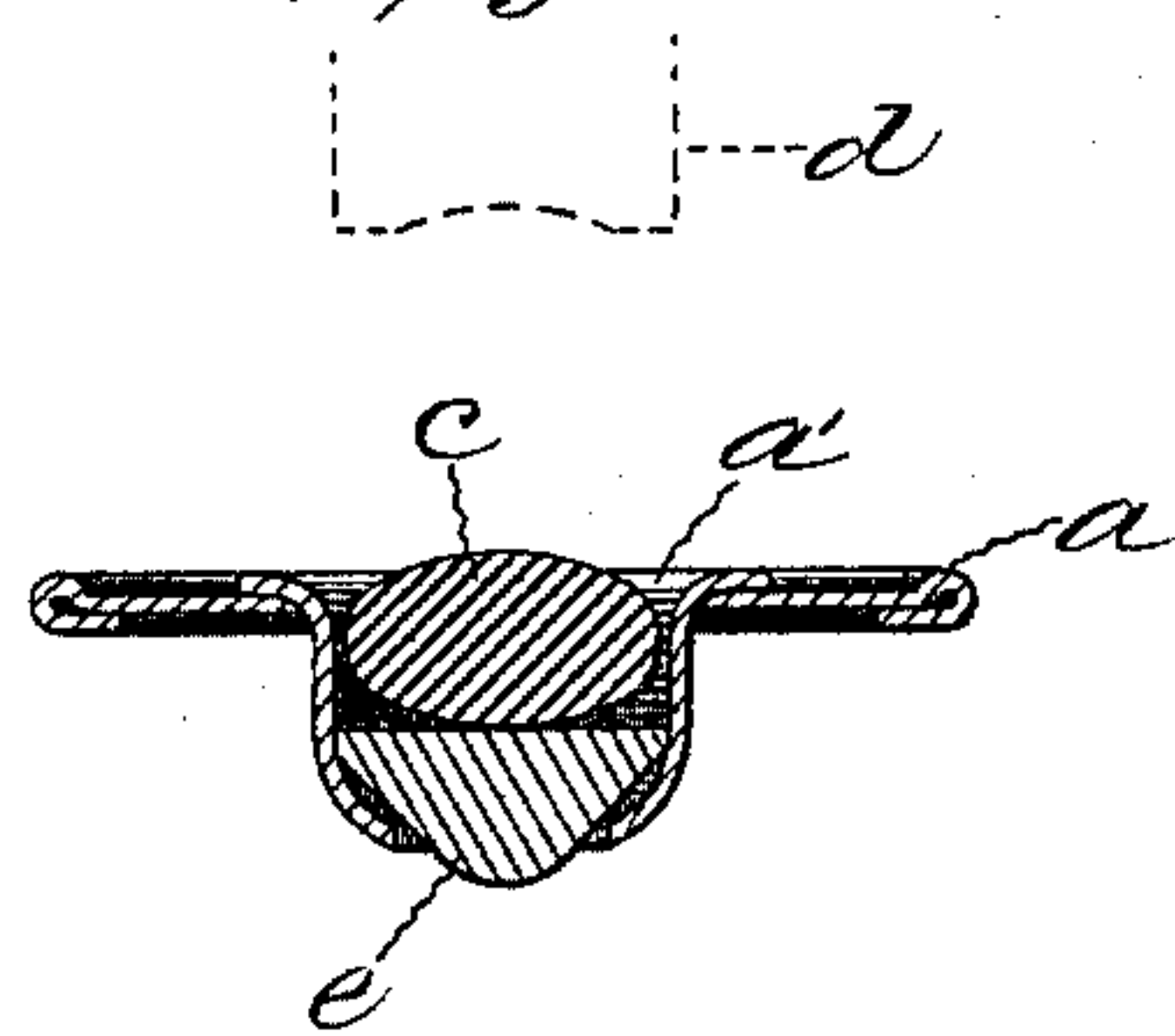


Fig. 3

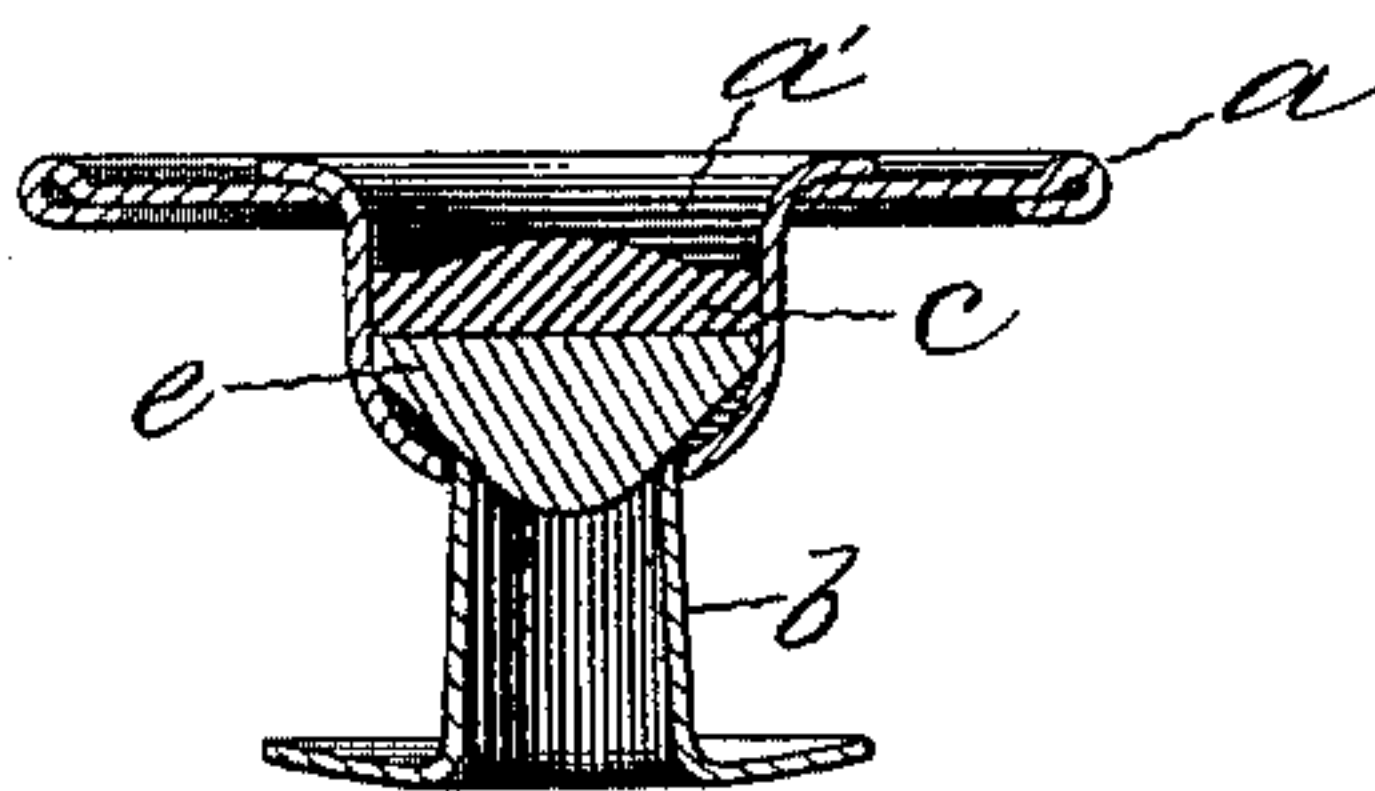
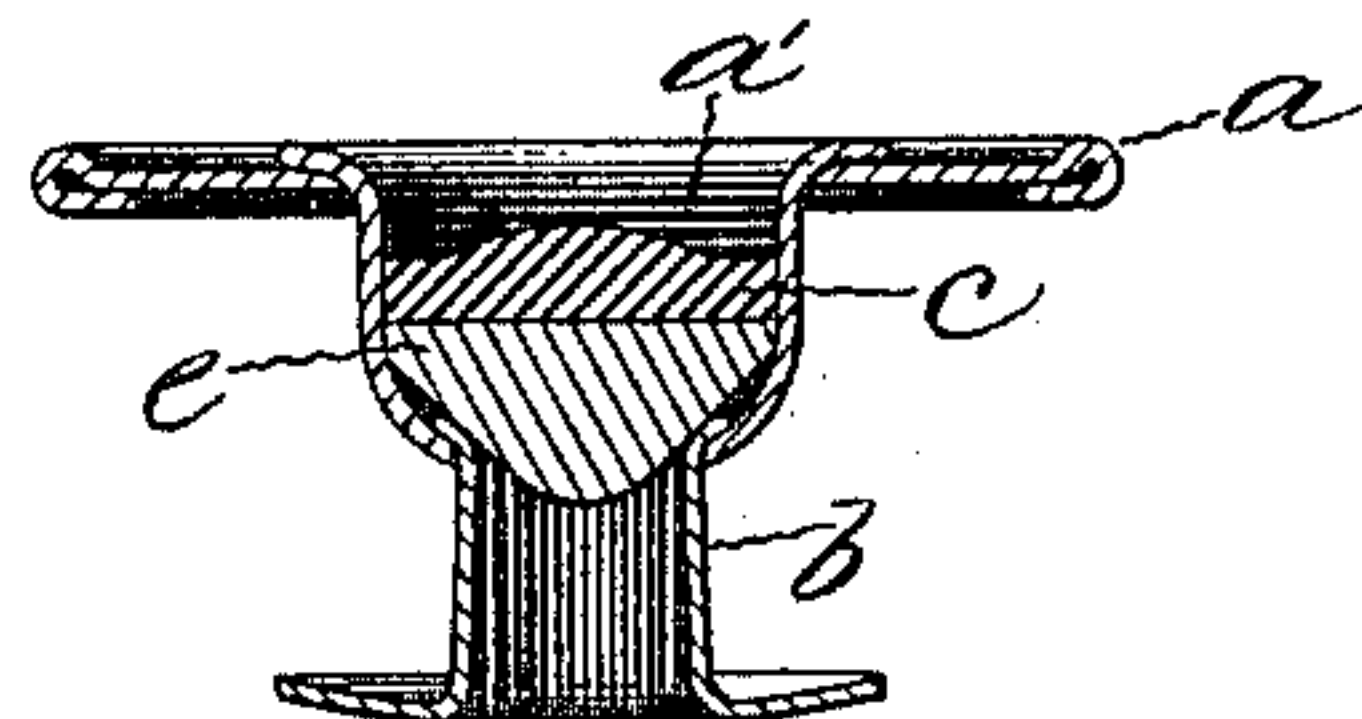


Fig. 4



Witnesses

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EYELET ATTACHMENT FOR BUTTONS.

SPECIFICATION forming part of Letters Patent No. 626,399, dated June 6, 1899.

Application filed October 27, 1897. Serial No. 656,539. (No model.)

To all whom it may concern:

Be it known that I, JAMES V. WASHBURNE, a citizen of the United States of America, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Eyelet Attachments for Buttons, of which the following is a description, reference being had to the accompanying drawings, wherein—

Figure 1 is a view in central vertical section of an eyelet united to a button and the union covered by a cap of soft metal—one form of said improvement. The same view shows in dotted lines a corresponding section of the pellet of soft metal used to form said cap and of the punch used in the forming. Fig. 2 is a view in central vertical section of a button with a hard-metal upsetting-plate dropped into the socket thereof and a pellet of soft metal over and upon said upsetting-plate ready to be operated on. The same view shows in dotted lines a corresponding section of the punch for operating on said pellet of soft metal and said upsetting-plate. Fig. 3 is a view in central vertical section of the button, upsetting-plate, and pellet of soft metal of Fig. 2 after the punch has operated thereon. The same view shows a similar section of an eyelet ready for union to the button by pressure or concussion. Fig. 4 is a view in central vertical section of the parts shown in Fig. 3 after the eyelet has been united to the button. All of these views are on an enlarged scale as compared with ordinary actual practice.

The object of the improvement is the effecting of a union between a button and an eyelet in such fashion as to leave the union covered from sight by a pellet of soft metal capable of being left with a finished and ornamental surface.

First, with reference to what is shown in Fig. 1 of the drawings. Here the letter *a* denotes a button, and *a'* a socket formed in that button. The letter *b* denotes an eyelet with its end entered through a hole in the bottom of said socket and united to the button by the flaring of said entered end of the eyelet, all this being old in the art. The letter *c* de-

notes a cap of soft metal covering from sight the end of the eyelet which is within the button-socket and made to adhere to the walls of said socket by frictional contact induced by pressure or concussion applied upon the top of said pellet. The letter *d* denotes a punch for exerting such pressure or concussion, the pellet being shown in dotted lines just beneath the punch in the shape it has or may have before the punch operates.

Now as to what is shown in Figs. 2, 3, and 4. Here the letter *a* denotes the button, and *a'* the button-socket. *c* denotes the cap of soft metal. *d* denotes the punch, and *e* denotes an upsetting-plate of hard metal which is underneath the cap of soft metal. In Fig. 2 the upsetting-plate and the cap of soft metal are shown before being operated upon by the punch. In Fig. 3 they are shown after they have been operated upon by the punch. In Fig. 3 the eyelet is also shown ready for the uniting operation. With the parts in the position shown in Fig. 3, then by applying pressure or concussion that end of the eyelet which is against the upsetting-plate is flared outwardly, and thereby permanently united to the button, as shown in Fig. 4.

The purpose of uniting an eyelet to a button, as herein described, is of course the attachment of the button to cloth or other fabric.

In both modifications of this invention herein described the soft-metal cap covers from sight that end of the eyelet which is united to the button, such cap being susceptible of having imparted to it a finished and ornamental appearance.

I claim as my improvement—

1. A button of the character described consisting of a button proper formed with a perforated depressed center forming the hub or shank, an eyelet-fastener adapted to be passed through the perforation formed in the said depressed center and having its extreme edge flanged over on the bottom of said depressed center around said opening, and a plug of soft metal pressed within said depressed center and over the said flanged end of the eyelet when the button is attached to cloth or fabric, substantially as described.

2. A button of the character described, consisting of a button proper formed with a depressed center or shank, a fastening-eyelet adapted to be passed through the opening in
5 the bottom of said depressed center, an upsetting-plate contained within said center and resting upon the end of said eyelet when attached to the button, and a cap of soft metal

contained within said center and covering said upsetting-plate, substantially as described.

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