

No. 626,392.

Patented June 6, 1899.

F. G. NEUBERT.  
BUTTON.

(Application filed Feb. 6, 1899.)

(No Model.)

Fig. 1.

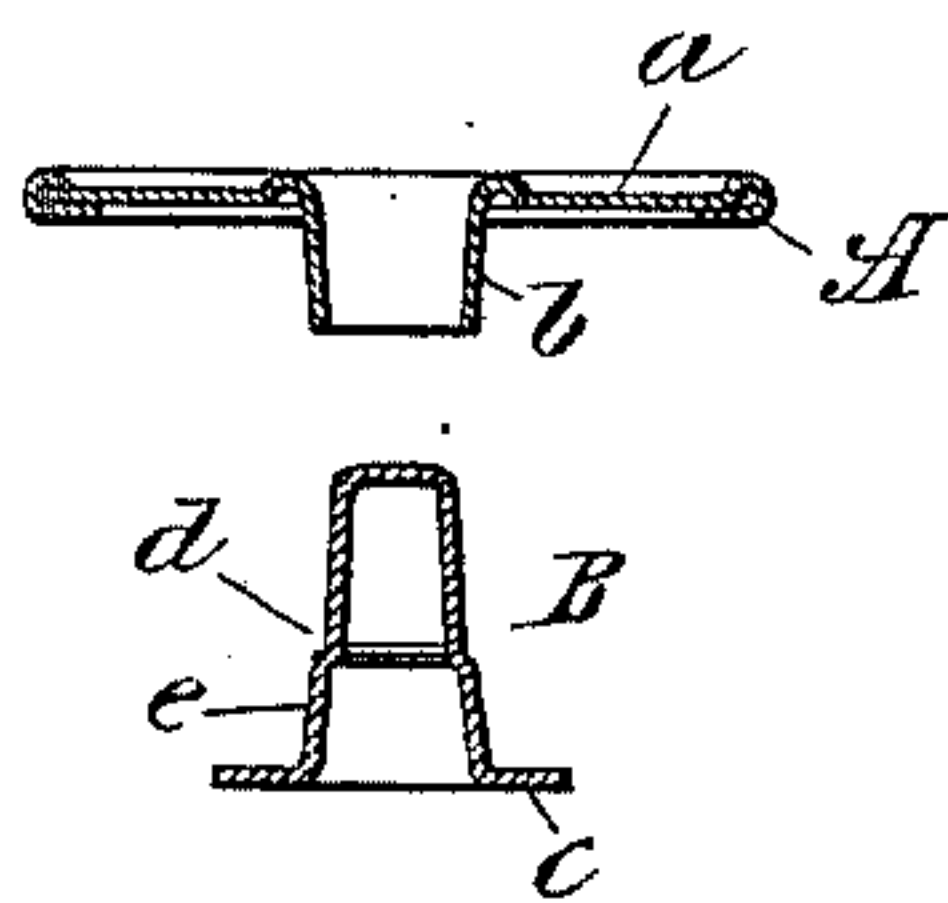


Fig. 2.

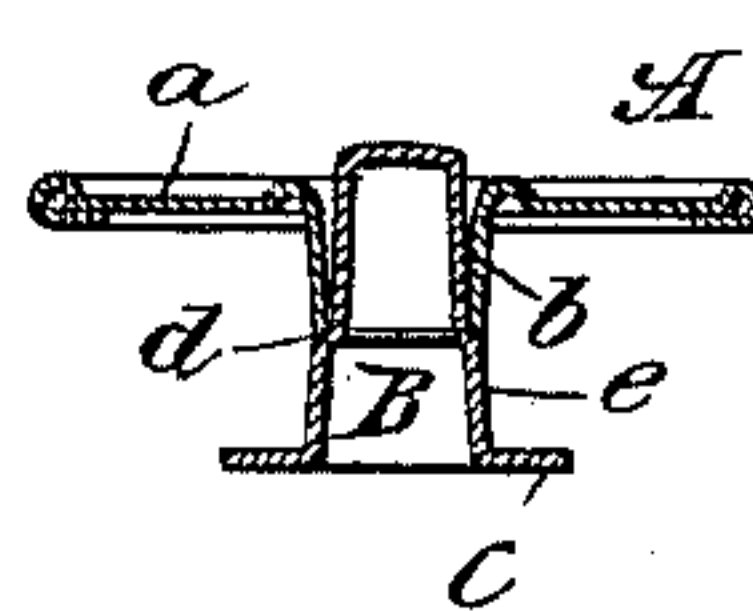


Fig. 3.

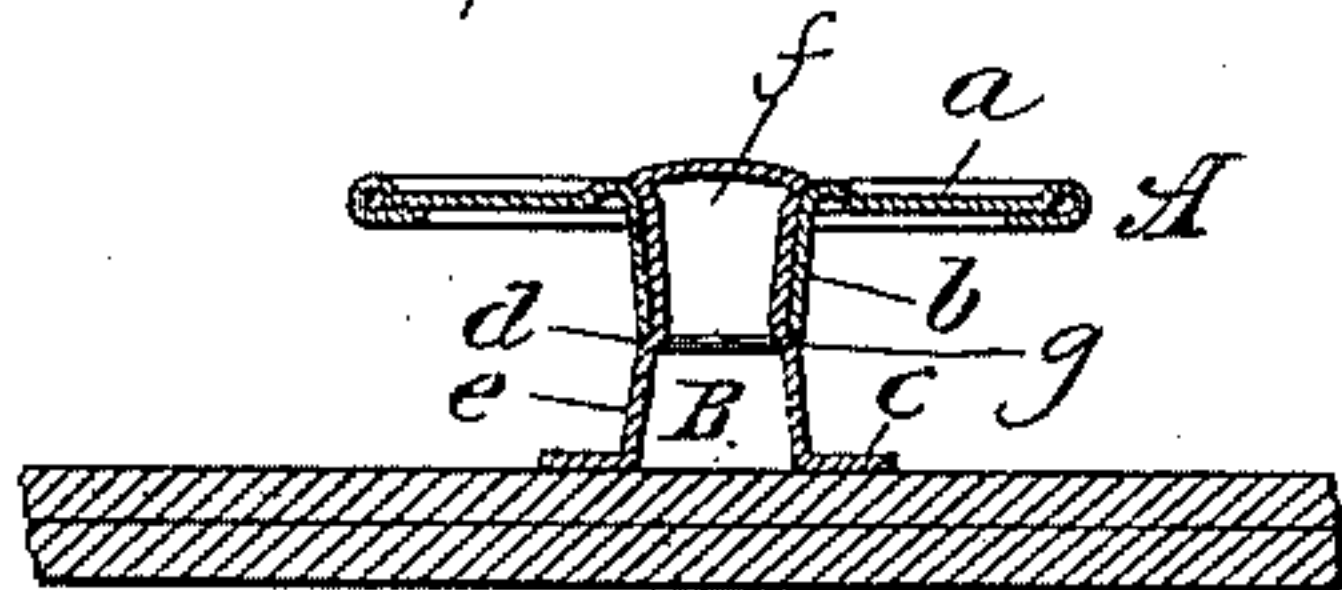


Fig. 4.

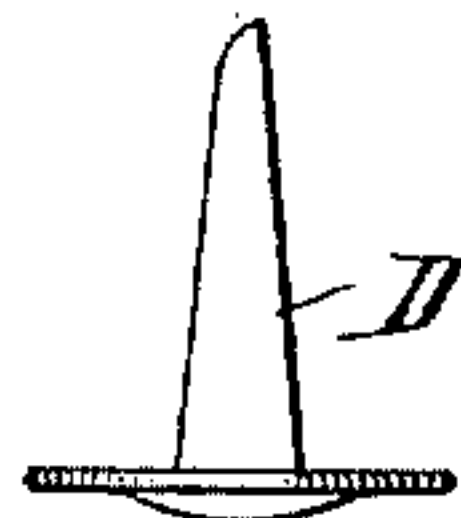
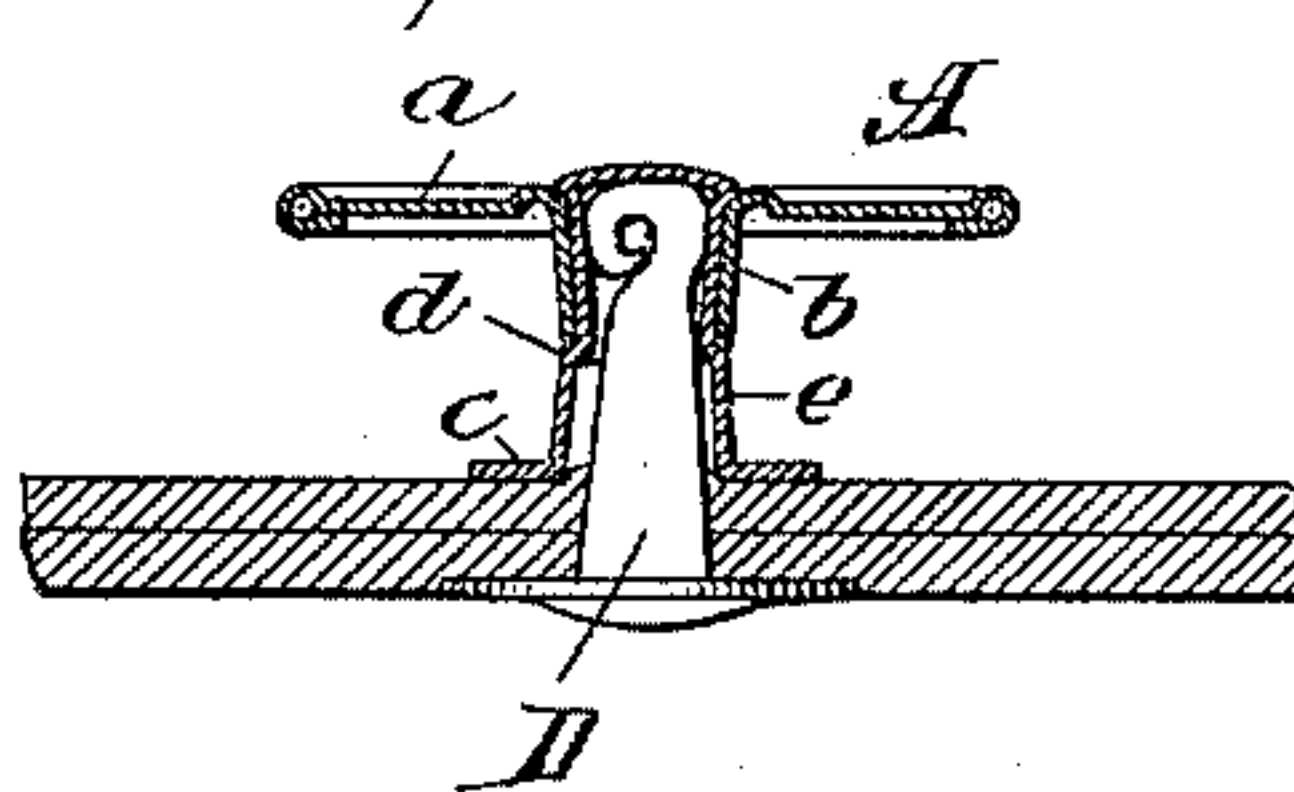
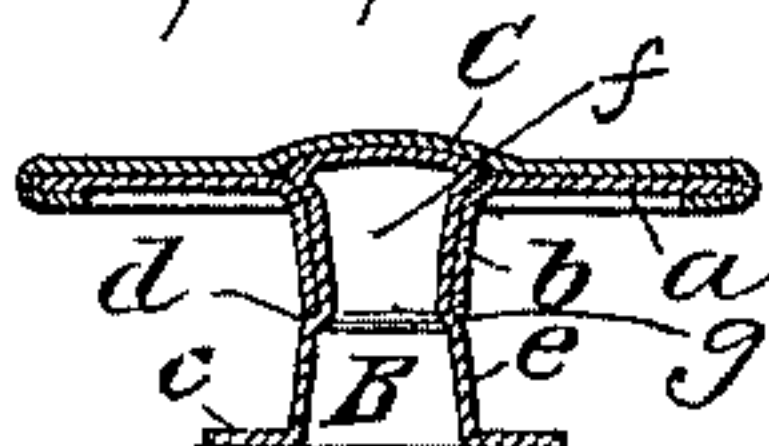


Fig. 5.



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# UNITED STATES PATENT OFFICE.

FRANKLIN G. NEUBERT, OF WATERBURY, CONNECTICUT, ASSIGNOR TO  
THE PATENT BUTTON COMPANY, OF SAME PLACE.

## BUTTON.

SPECIFICATION forming part of Letters Patent No. 626,392, dated June 6, 1899.

Application filed February 6, 1899. Serial No. 704,635. (No model.)

*To all whom it may concern:*

Be it known that I, FRANKLIN G. NEUBERT, a citizen of the United States, and a resident of Waterbury, in the county of New Haven and State of Connecticut, have made and invented certain new and useful Improvements in Buttons, of which the following is a specification.

My invention relates to an improvement in buttons, and more particularly to that kind or class thereof generally known and referred to by the trade and public as "tack" or "rivet" buttons—that is, a button adapted to be attached to cloth or fabric by means of a metal tack or rivet employed as a fastener—the object of my invention being to devise a button which can be easily and cheaply made, of few parts which may be readily assembled, and which will withstand the strain usually imposed upon buttons of this kind.

With these and other ends in view my invention consists of a button made of two pieces or parts—namely, the button-shell and an anvil or die-piece for overturning and retaining the point of the metal tack or fastener, and which die-piece shall also act in part as the hub or spacer of the completed button.

My invention further consists in certain novel features of construction, as will be hereinafter fully described, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view of the button and die-pieces before being assembled or secured together. Fig. 2 is a view showing the die-piece inserted within the shell or body of the button prior to being upset or fastened therein. Fig. 3 is a view showing the button and die-piece secured together, forming the completed button. Fig. 4 is a sectional view showing the completed button attached to cloth or fabric. Fig. 5 is a view of a modification—that is, a button of the character above referred to and provided with a face or top plate.

Referring to the drawings, A represents the shell or body of the button, consisting of a flange *a*, the outer edge of which is curled or bent over in order to afford or provide a finished edge thereto. The center of this face or flange is struck downwardly, forming a

short neck *b*, the lower end thereof being open. By referring to Figs. 1 and 2 of the drawings it will be seen that this neck, which, in effect, forms a part of the hub or spacer of the button, is in the form of a truncated cone—that is, the walls converge toward the lower smaller end.

B represents the die-piece of the button and is in the form of a closed eyelet the walls of which converge toward the upper closed and smaller end thereof, the lower or outer end of the eyelet being flanged outwardly, as at *c*, to form the base or foot of the completed button. The upper portion of this die-piece, whose walls, as described, converge in a direction opposite to those of the hub *b*, is inserted in the latter until the lower edge of said hub *b* strikes a shoulder *d*, formed in the walls of the said die-piece, the extreme upper end of said die-piece extending above the flange *a* of the button, as illustrated in Fig. 2, the lower portion *e* of the die-piece—that is, that part below the shoulder *d*—acting as the lower portion of the hub or neck of the completed button, the hub or depressed center *b* and lower portion *e* of the die-piece together constituting the complete hub. The upper end of the die-piece is then by means of proper tools forced or struck downwardly, the result being that the metal thereof forms an enlarged head and completely fills the hub *b*, as illustrated in Fig. 3, the result being that the walls of the upper portion of the die-piece fit snugly and tightly against the wall of the hub *b*—in other words, are forced to converge toward the shoulder *d*, instead of toward the top, as was the case when in its original form or condition. This construction and arrangement of the several parts effects a permanent union of the die-piece and button-shell, the die-piece in the completed button being provided with an enlarged head *f* and restricted neck *g*.

In practice a tack or rivet D is forced through the cloth or fabric, the piercing end thereof being upset or overturned by means of the upper or outer end of the die-piece and partially or entirely filling the chamber formed therein, as illustrated in Fig. 4, the swaged or upset end of the tack or fastener D being thus securely held or retained there-



by and permanently locking the button to the cloth.

As illustrated in Fig. 5, the button after the die-piece has been struck down, as described, may be provided with a face or cap plate C, the outer edge thereof being curled or turned under the edge of the flange *a* in order to secure it in position.

From the foregoing it will be understood that my improved button is exceedingly simple in construction, consists of but two parts, which are easily and readily assembled, and may be manufactured at a small cost.

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

A button consisting of a button-flange and a die-piece, the former being provided with an opening in its center, which center is depressed in the form of a neck to partially con-

stitute the hub or shank of the completed button, said die-piece being constructed in the form of an eyelet closed at the top, the upper portion of the eyelet fitting within said depressed center and upset therein to securely lock it in place and filling the depressed center, its lower portion or edge extending through and below said depressed center to constitute the remainder of the hub or neck of the completed button, its extreme edge being flared outwardly forming an enlarged base, substantially as described.

Signed at Waterbury, in the county of New Haven and State of Connecticut, this 31st day of January, A. D. 1899.

FRANKLIN G. NEUBERT.

Witnesses:

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