

No. 631,378.

Patented Aug. 22, 1899.

F. G. NEUBERT.
BUTTON.

(Application filed June 22, 1899.)

(No Model.)

Fig. 1.

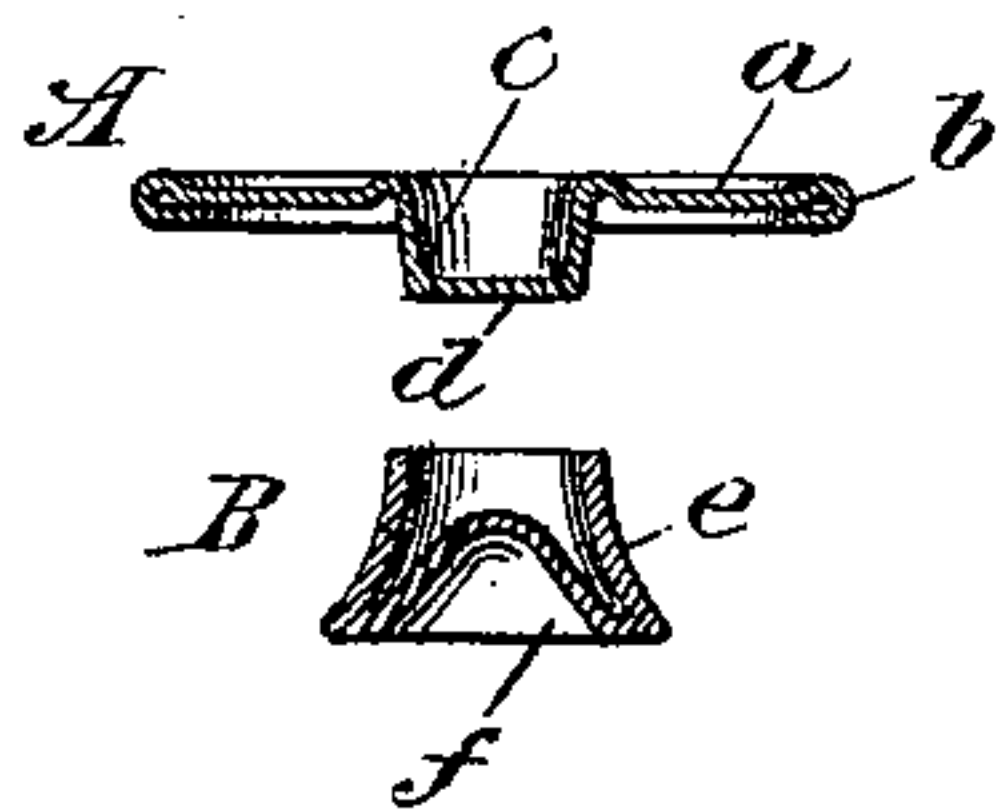


Fig. 2.

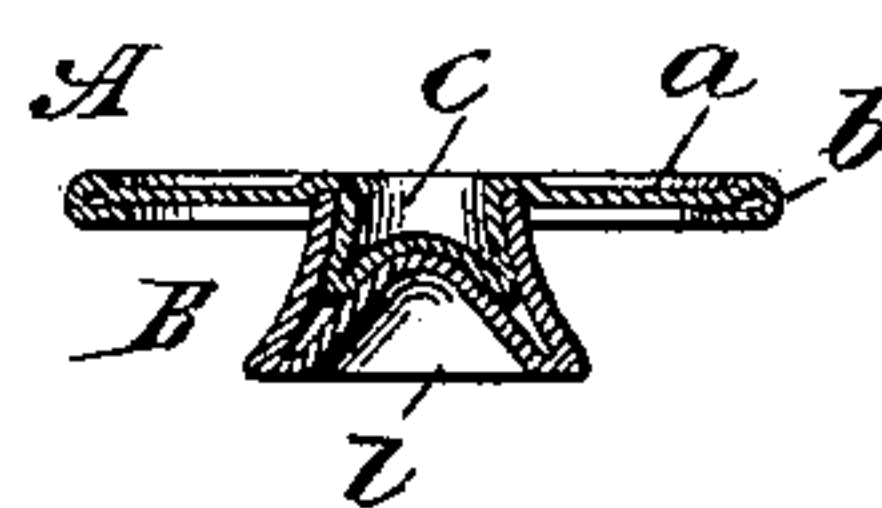


Fig. 3.

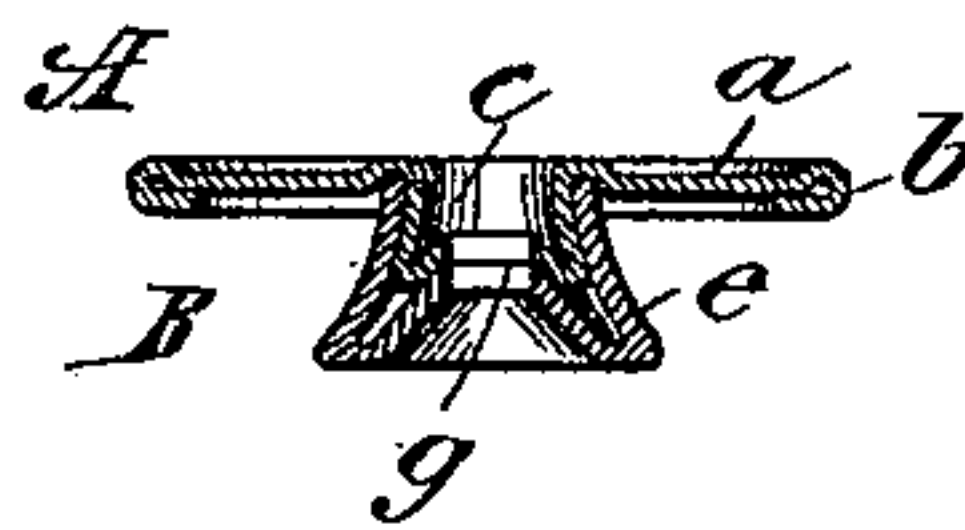


Fig. 4.

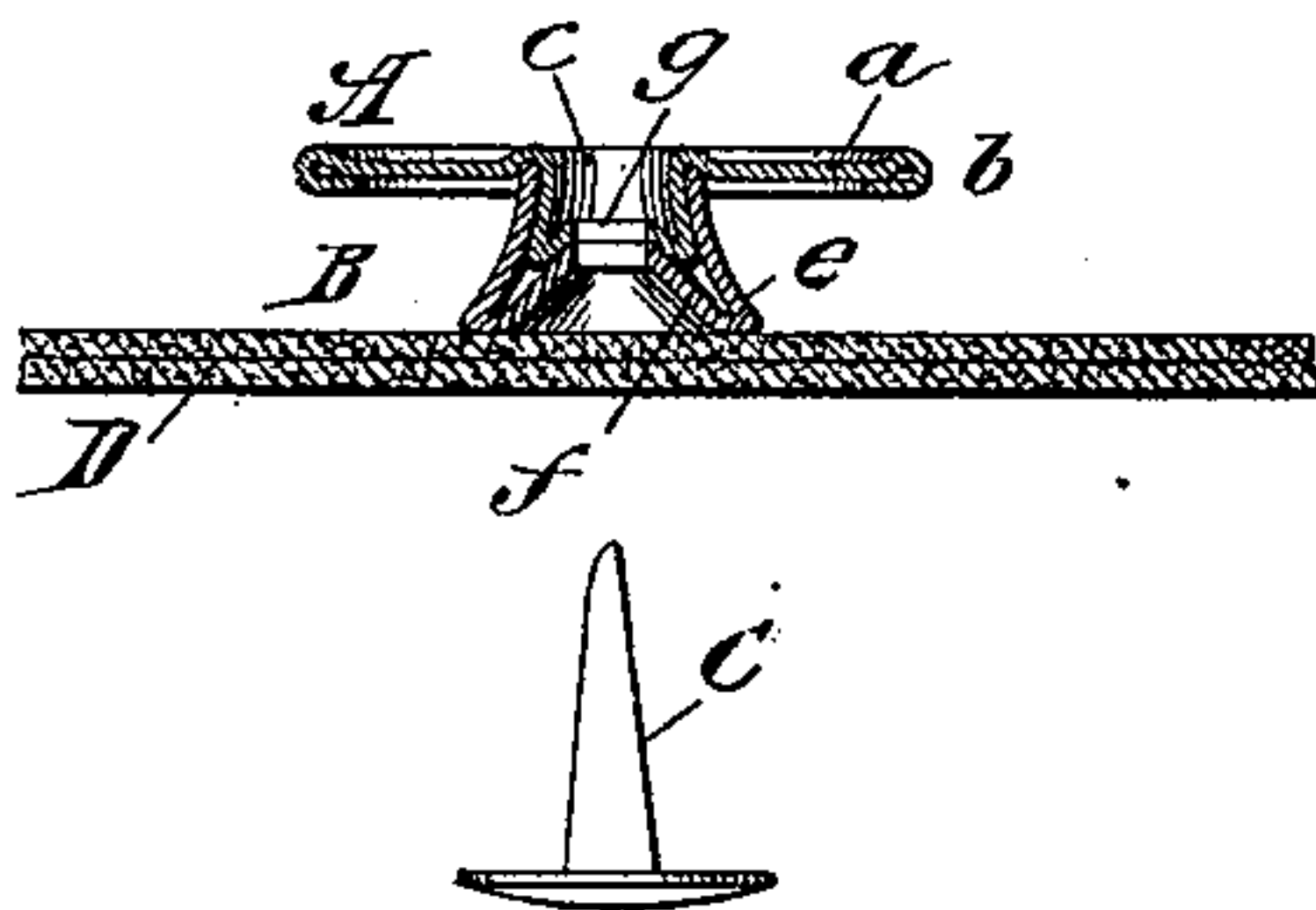
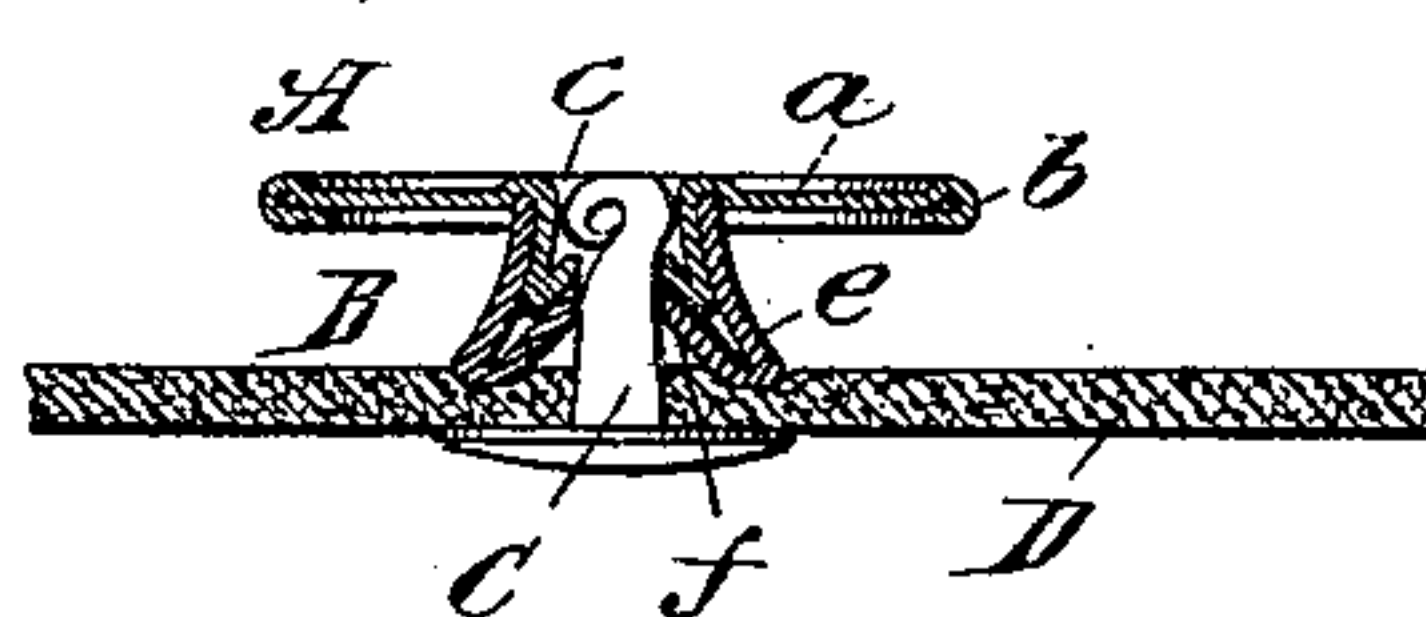


Fig. 5.



WITNESSES:

William P. Guebel.
M. Van Nortwick.

INVENTOR
Franklin G. Neubert
BY
George C. Guebel,
ATTORNEY

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. 631,378, dated August 22, 1899.

Application filed June 22, 1899. Serial No. 721,412. (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 adapted to be secured or attached to cloth or fabric by means of tacks or rivets and commonly known and referred to as "tack" or "rivet" buttons, the object being to provide an article of this kind wherein the bottom of the button upon which the greatest amount of strain falls shall be reinforced, thereby allowing the button-flange to be made of comparatively thin or light stock. Heretofore in tack or rivet buttons constructed with a depressed center in which the tack or metal fastener is upset it has been the custom to either construct the button of metal of a thickness sufficient to impart the necessary strength to the bottom of the depressed center to withstand the strain usually imposed upon it when in use or if made of light stock to reinforce the bottom of the hub or depressed center by the insertion of a washer—for instance, as shown in the patent to C. M. Platt, No. 121,000, dated November 14, 1871—said washer being locked within said depressed center in various ways to prevent the accidental loss or displacement thereof. In the present invention, however, instead of inserting the reinforcing metal within the depressed center I reinforce the outer side thereof; the reinforcing-piece also acting as a hub or spacer to hold the button at a sufficient distance from the cloth or fabric to allow the button-flange to properly fulfil its requirements as a button, this construction and arrangement permitting of the formation of a comparatively small depressed center or receptacle to nicely contain the upset end of the tack or fastener. The advantages of this small receptacle or depressed center, in capacity just sufficient to contain the upset metal of the tack or fastener, will at once be apparent to those skilled in the art, as it is

well known that in the old style of reinforced button the depressed center was made sufficiently large to constitute and act as a hub, the consequence being that the upset metal of the tack or fastener did not entirely fill it, the effect being in many instances to allow the button-flange to rock, move, or tilt and after continued use to separate from the tack or fastener. In my present invention I have endeavored to overcome these objections, and with such ends in view have constructed and arranged the several parts of the button as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a sectional view of my improved button at one stage of its formation, the two parts being separated. Fig. 2 shows the button after the flange and spacer have been assembled. Fig. 3 is a similar view of the completed button. Fig. 4 is a similar view thereof prior to being attached to cloth or fabric. Fig. 5 is a similar view of the same after being attached.

Referring to the drawings, A represents the button-flange, and B the combined reinforce and hub or spacer, said flange A consisting of the face-plate *a*, the outer edge *b* of which is turned or curled downwardly and under said plate for the purpose of imparting a smooth and finished edge thereto. The center of the plate is struck downwardly, forming a comparatively small receptacle *c* in size sufficient only to nicely contain the upset point of the tack or rivet C, as illustrated in Fig. 5 of the drawings, the sides of the receptacle or depressed center being comparatively straight and the bottom *d* flat in the first stage of the formation of the button, as illustrated in Fig. 1. The combined spacer and reinforce B consists of the sides *e*, which converge toward their upper end, and the cone-shaped bottom *f*, which cone *f* bears against the bottom *d* and acts as a reinforce therefor. By means of proper tools the parts A and B (illustrated in Fig. 1) are assembled, as shown in Fig. 2, the sides of the depressed center *c* being forced within the converging sides *e* of the spacer and the bottom *d* of the depressed center slightly forced upwardly by the reinforcing-cone *f*, it being un-

derstood that the metal of the spacer B is preferably heavier or thicker than that of the button-flange A. After assembling the parts A and B as described the opening *g* is
5 formed in the reinforcing-cone *f* and in the bottom *d* of the depressed center to allow of the passage of the tack or rivet C, or, as will be understood by those skilled in the art, the openings may be made prior to assembling
10 the parts or simultaneously therewith.

The button is attached to the cloth or fabric in the same manner and by means of the same tools as in other buttons of this class, the tack C being forced through the cloth D,
15 as illustrated in Fig. 5, and then through the openings *g* into the receptacle or depressed center *c*, wherein it is upset or swaged, the metal of said upset end completely filling said center *c*.

20 It will of course be understood without further description or illustration that the button may be of the open-face type, as illustrated, or may have a face or cap plate secured thereon.

25 Having fully described my invention, what

I claim as new, and desire to secure by Letters Patent, is—

1. A button consisting of a button-flange having its center perforated and depressed and forming a small receptacle for the upset
30 end of the tack or rivet, and a spacer encircling said depressed center and having its lower perforated portion turned upwardly to bear against and reinforce the bottom of said center, substantially as described. 35

2. A button consisting of a button-flange having a perforated and depressed center, and a perforated spacer encircling said center and bearing against and reinforcing the
40 bottom of said center, in combination with a tack or rivet, the upset end of which fills said center, substantially as described.

Signed at Waterbury, in the county of New Haven and State of Connecticut, this 20th day of June, A. D. 1899.

FRANKLIN G. NEUBERT.

Witnesses:

AGNES I. WALKER,
LEWIS A. PLATT.