

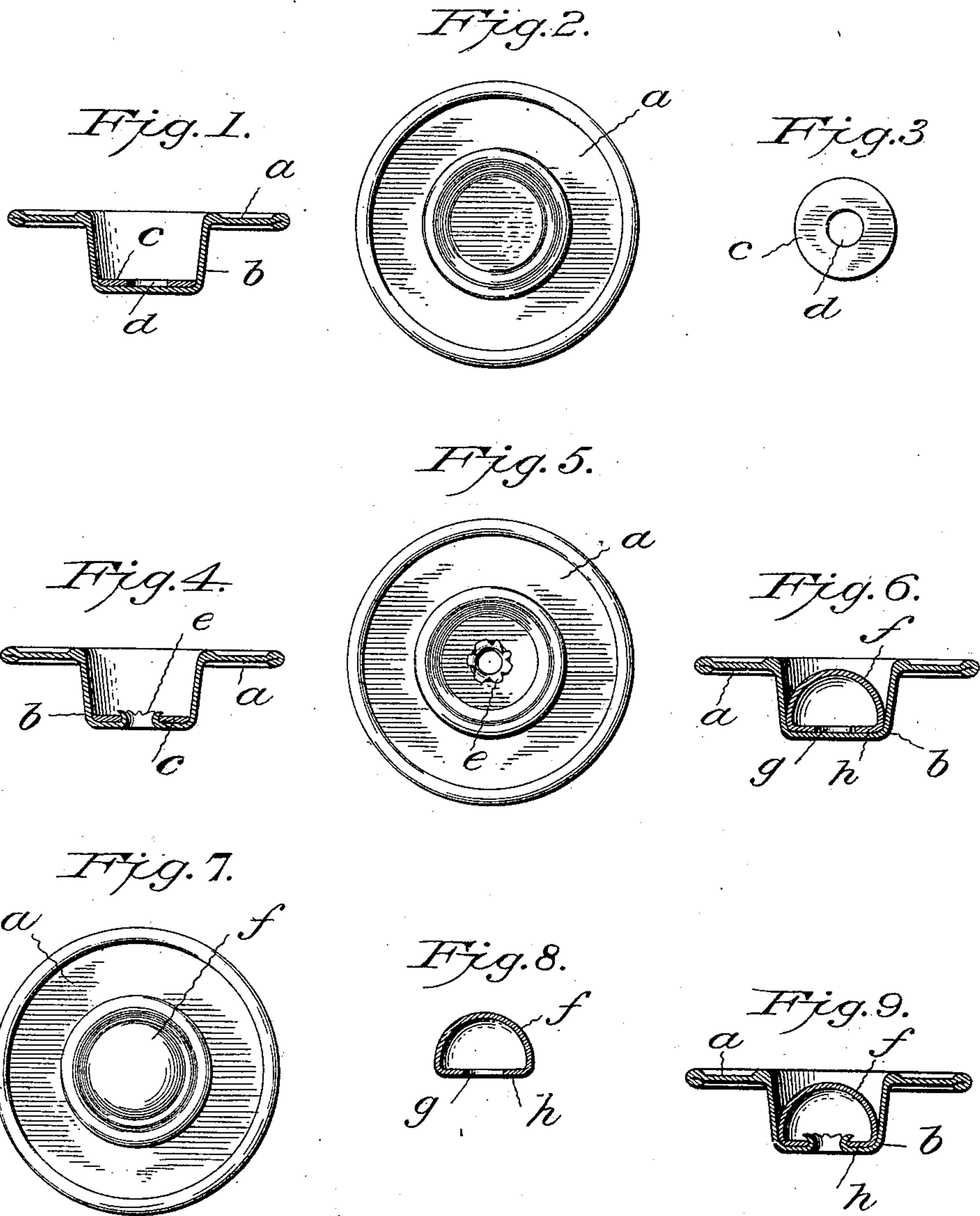
No. 606,881.

Patented July 5, 1898.

A. J. SHIPLEY.  
TACK FASTENED BUTTON.

(Application filed Dec. 22, 1897.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

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## TACK-FASTENED BUTTON.

SPECIFICATION forming part of Letters Patent No. 606,881, dated July 5, 1898.

Application filed December 22, 1897. Serial No. 663,039. (No model.)

*To all whom it may concern:*

Be it known that I, ALFRED J. SHIPLEY, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented a certain new and useful Improvement in Tack-Fastened Buttons, of which the following is a full, clear, and exact description.

This invention relates to that class of buttons which are secured in place by means of a tack or similar fastening, the point of which is passed through the fabric and an opening in the button from the rear and its point upset, clenched, or curled, so as to interlock with the button. Such buttons may, for the purposes of this specification, be divided into two classes—namely, first, those in which the upset point of the tack is exposed in the face of the button; and, second, those in which such upset point is concealed. In the first class a washer has been placed in the bottom of the shank of the button, and upon it the point of the tack is upset. In the second class the concealing device is in the nature of a cap variously known as an “anvil,” “die,” or “clenching-piece,” by and within which the point is upset and curled over upon the bottom of the cap which rests upon the bottom of the shank. In either case the bottom of the shank is reinforced by the interposition of the washer and cap, respectively, between such upset point and the bottom of the shank.

Various expedients have been availed of for securing the washer and the anvil, die, or clenching-piece in and to the button-head, and the immediate object of my invention is to provide a simple and efficacious means for effecting this union.

To this end the invention consists in a button having a washer or an anvil, die, or clenching-piece secured in the bottom of its shank by piercing up the metal of the bottom of the shank through the tack-opening in the washer or anvil, all as I will proceed now more particularly to set forth and finally claim.

In the accompanying drawings, illustrating my invention, in the several figures of which like parts are similarly designated, Figure 1 is a cross-section of a button-blank with a washer ready for application of my inven-

tion. Fig. 2 is a plan view of the face of the button-head blank without the washer. Fig. 3 is a plan view of the washer. Fig. 4 is a cross-section, and Fig. 5 is a plan view, of the finished button. Fig. 6 is a cross-section of a button-blank with an anvil, die, or clenching-piece in place ready for the application of my invention. Fig. 7 is a face plan view. Fig. 8 is a cross-section of the anvil, and Fig. 9 is a cross-section of the anvil-button with the anvil secured in place.

I wish to say at the outset that I do not limit my invention to open-face or closed-face buttons or to any form or material of washer or anvil and have selected the forms shown in the drawings merely for illustration of the principle of my invention.

The button-head blank *a* is made with a shank *b*, unperforated, as shown in Figs. 1 and 2. The reinforcing-washer *c* is made with a central opening *d* for the passage of the tack-point, and this washer is placed in the bottom of the shank *b*, as shown in Fig. 1, after which, by means of suitable tools, the washer and button-head are securely united by piercing up the material of the bottom of the shank through the opening *d* of the washer, as shown at *e* in Figs. 4 and 5, the pierced-up metal of the bottom of the shank dividing off into irregular prongs or points and curling over the washer. Thus the washer and the button-head are united with sufficient firmness to permit of the ordinary handling to which the button is subjected in the factory and among users. As is obvious, the operation of uniting the button-head and the washer by piercing up the metal of the bottom of the shank also produces the opening in the button-head for the insertion of the point of the fastening-tack or other fastening medium, and this insures the alinement of the tack-point opening in both the button-head and the washer.

As already indicated, the washer serves to reinforce the shank of the button for the reception of the turned-over or upset point of the tack or other fastening medium and to meet the strains of use.

In the form of my invention shown in Figs. 6 to 9 the button-head *a* and its shank *b* are as before, and the anvil, die, or clenching-piece



*f* is also of approved construction. The union of the button-head and the anvil, die, or clenching-piece and the formation of the tack-opening in the shank of the button are simultaneously produced by the piercing up of the metal of the bottom of the shank through the ordinary opening *g* in the bottom *h* of the anvil, as shown in Fig. 9.

It will be understood that the main purpose of uniting the washer and button-head or anvil and button-head is to have these two parts of the button connected with sufficient firmness to enable the button to be handled in the factory and in the workroom without danger of becoming detached or separated, and the mode of or means for effecting this union, which forms the subject of the present invention, is, as already stated, extremely simple and entirely effective, and, further, it is very economical.

The bottom *h* of the anvil, die, or clenching-piece reinforces the bottom of the shank of the button, as does the washer shown in Figs. 1, 3, 4, and 5, and hence I wish to be understood as including both the washer and anvil in claiming my invention as applied to a reinforce.

What I claim is—

1. A button, having the bottom of its shank provided with a reinforce having a tack-opening, the metal of the bottom of the shank being pierced up through the tack-opening in such reinforce, substantially as described. 30

2. A tack-fastened button, having a shank, and a reinforce having a tack-opening and located in the bottom of such shank and united with it by the projection of the metal of the bottom of the shank through the opening of the reinforce, substantially as described. 35

3. A tack-fastened button, having an anvil, die or clenching-piece constructed with a perforated bottom, the metal of the bottom of the shank of the button being projected through the perforation in the bottom of said anvil, die or clenching-piece, substantially as described. 40 45

In testimony whereof I have hereunto set my hand this 20th day of December, A. D. 1897.

ALFRED J. SHIPLEY.

Witnesses:

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T. R. HYDE, Jr.