

C. E. Richards

Button.

N^o 52608.

Patented Feb 13. 1866.

Fig. 1.

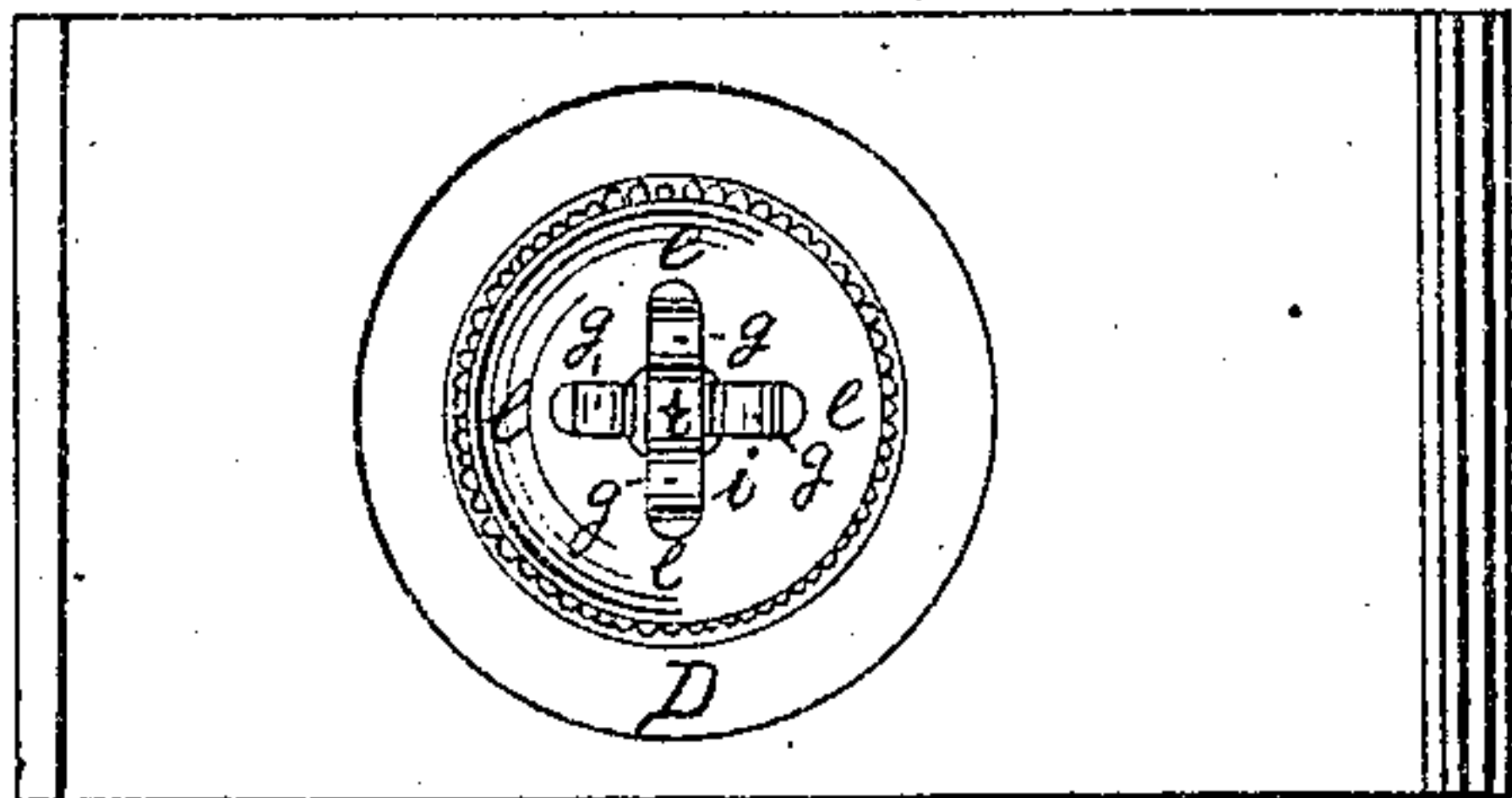


Fig. 2.

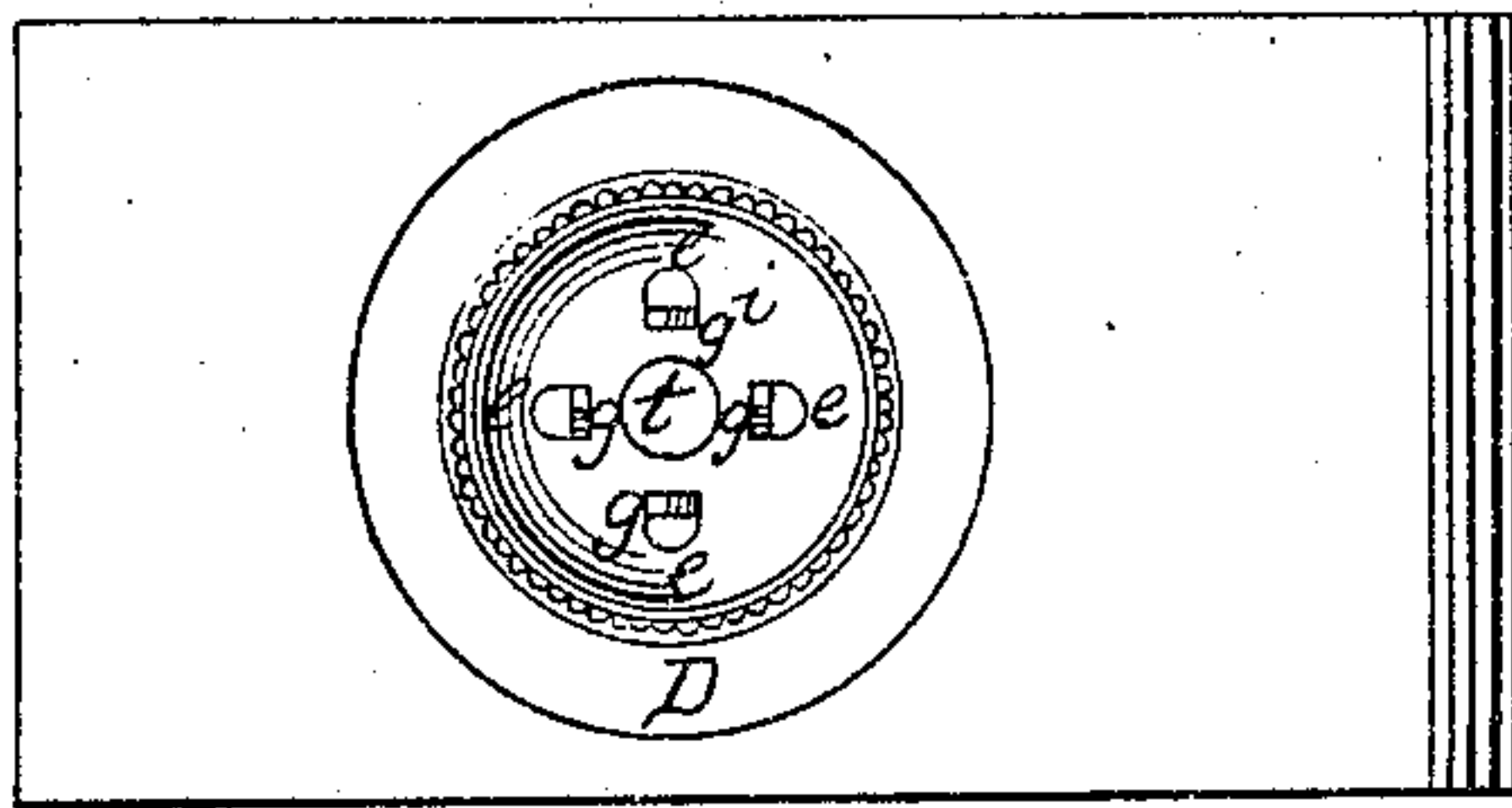


Fig. 3.

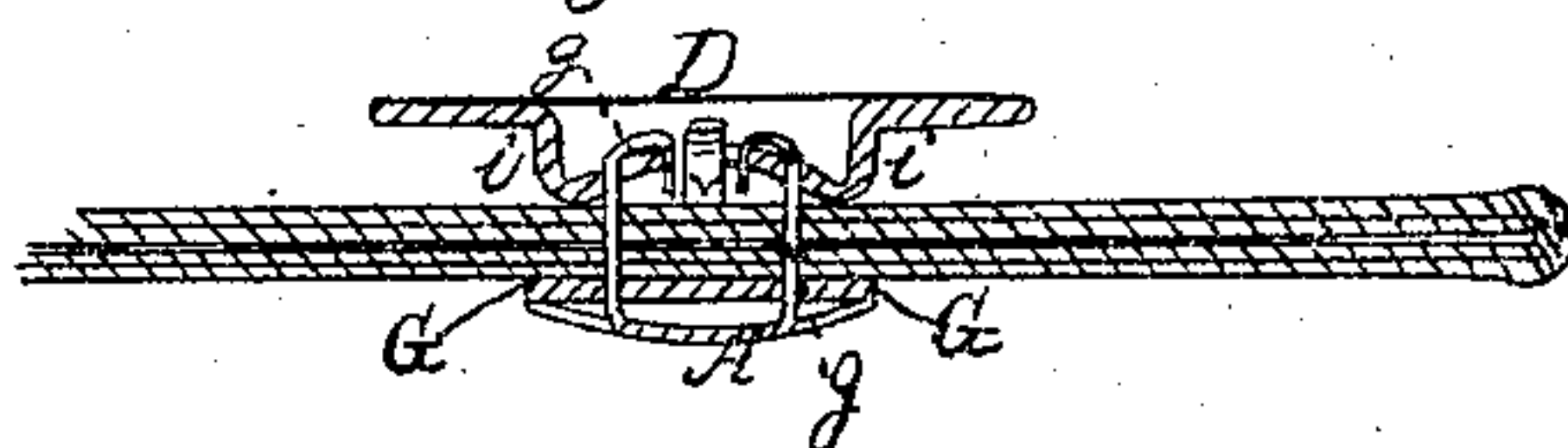


Fig. 4.

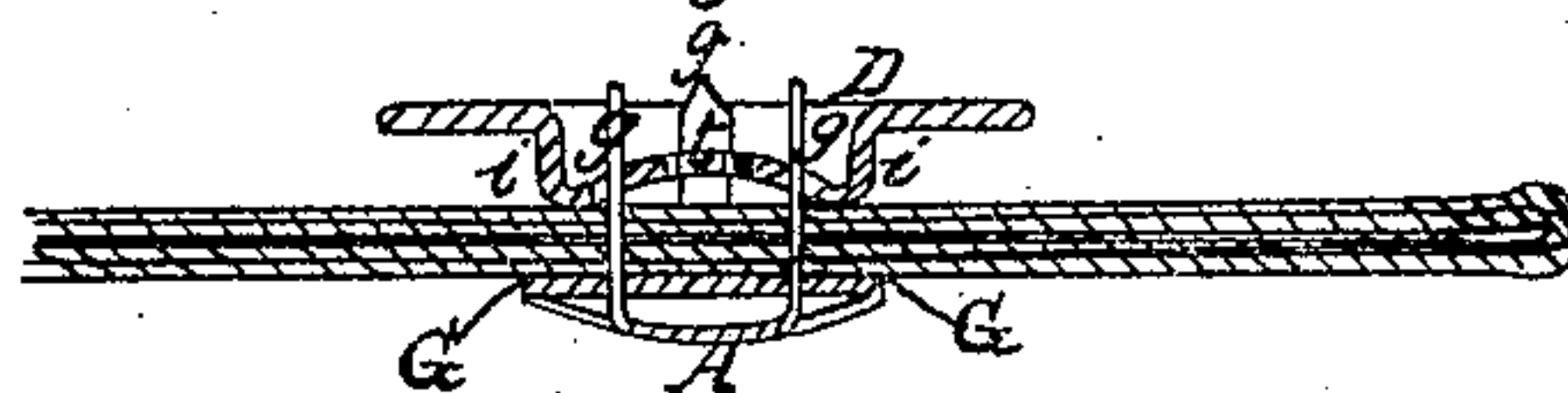


Fig. 5.

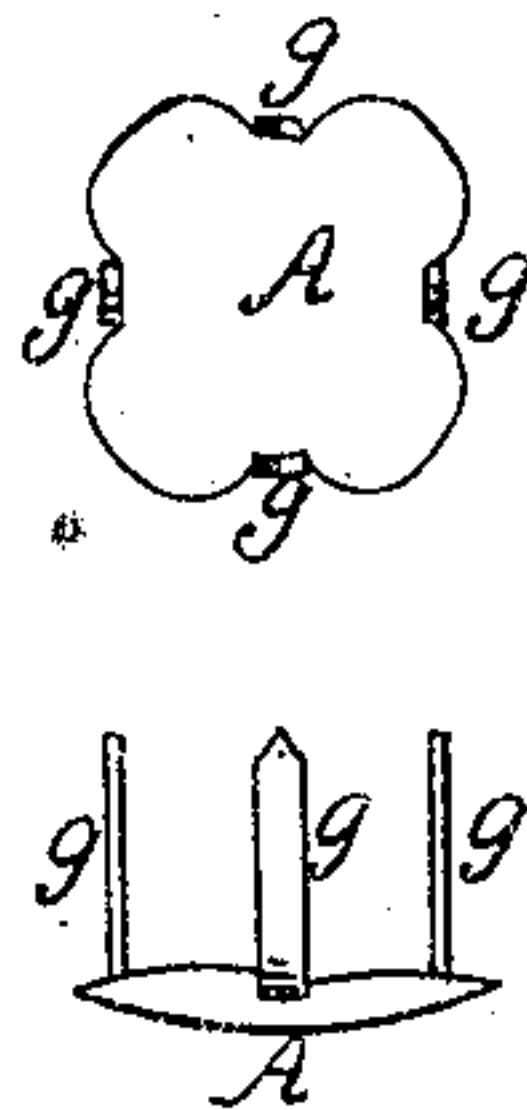
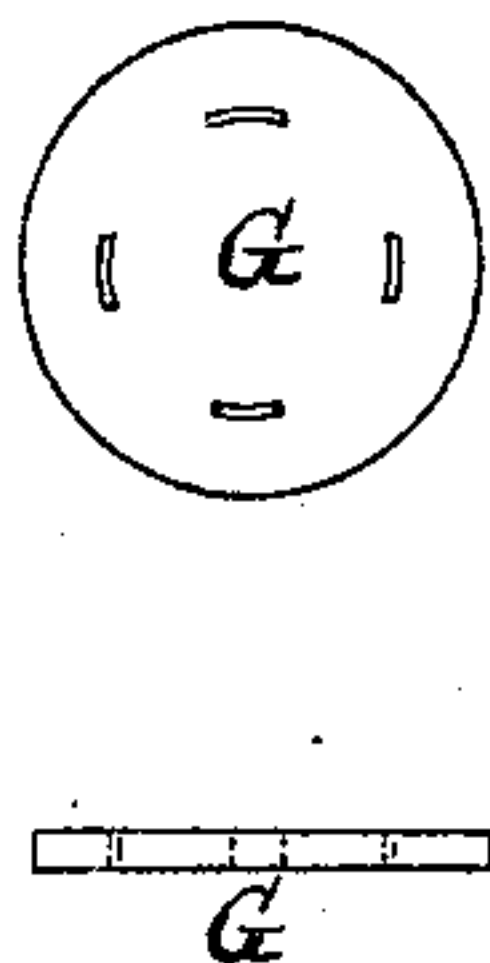


Fig. 6.

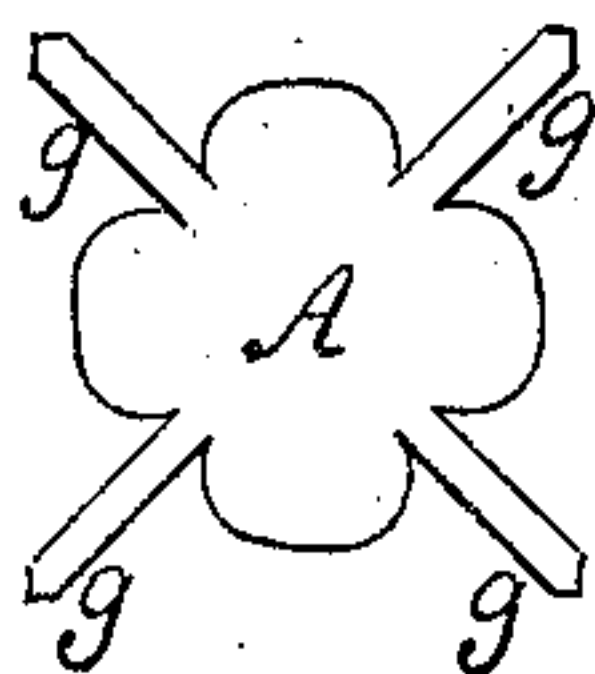


Fig. 7.

Witnesses

James A. Brunell
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Inventor

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UNITED STATES PATENT OFFICE.

CELIUS E. RICHARDS, OF NORTH ATTLEBOROUGH, MASSACHUSETTS.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. 52,608, dated February 13, 1866.

To all whom it may concern:

Be it known that I, CELIUS E. RICHARDS, of North Attleborough, in the county of Bristol and State of Massachusetts, have invented a new and Improved Button and Fastening; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a plan of my improved button fastened to the fabric. Fig. 2 is a like view of the button and fastening before the latter is secured. Fig. 3 is a cross-section of the same fastened. Fig. 4 is a like view of the same before the fastening is secured. Fig. 5 is a soft washer, of leather, &c., that is used in connection with the fastening. Fig. 6 is a plan and elevation of the fastening-piece separately. Fig. 7 is a plan of the piece as it is cut from the sheet metal.

Similar letters indicate corresponding parts in all the figures.

My invention relates to the construction and mode of fastening the button to the fabric intended, herein shown and described, to avoid abrasion, and for other purposes.

My invention consists, first, of a metal button, the collet or neck of which has a concavity on its under side, and a central perforation for the reception and concealment of the ends of the spurs which form part of the fastening; second, in fastening such button to the fabric intended by means of a shield or plate of metal having a number of projecting spurs, which pass through a corresponding number of perforations in the collet of the button from the back side of the fabric, and are bent in front of the button toward and down into the central perforation and concealed within the concavity of the collet; third, in the use of a soft washer of leather or other suitable material between the shield and the fabric to prevent abrasion of the fabric.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same.

In the drawings, D is the button, formed of any metal, zinc or brass being preferred, and *t* is the collet or neck, formed by a depression of the central portion of the button, which is perforated with a number of holes, and, as thus far described, is an old and well-known

form of button for sewing on garments in the usual way. In order, however, to fasten the button on a garment in a more durable and effective manner by means of a metallic fastening, I make the central portion concave on the under side, and with a central perforation, *t*, and a number of surrounding perforations, *e e e e*, in the collet, the purpose of which will presently be explained.

The fastening-piece is cut from sheet metal in the form shown in Fig. 7, the projections or spurs *g g g g* of which are afterward bent at right angles with the plate or shield A, and these spurs are put through the fabric from the back side and through the perforations *e e e e* in the collet of the button, as shown in Fig. 4, and the protruding ends bent inward and down into the central perforation, *t*, as shown in Figs. 1 and 3, whereby the projecting spurs are depressed beneath the surface of the front of the button and concealed, while the shield A on the back side of the fabric presents a perfectly smooth surface, and all abrasion of any fabric that may come in contact with either the button or the fastening prevented.

A leather or cloth washer, G, Fig. 5, is pierced by the spurs and inserted between the shield A and the fabric, as seen in Figs. 3 and 4, and prevents abrasion of the fabric by the shield.

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

1. Forming the collet or neck of the button with a concavity and a central perforation, combined, substantially as described, for the purpose specified.

2. The mode described of fastening a button with a collet or neck, as described, by means of a shield having a number of spurs that pass through the button from the back side of the fabric and are secured in front of the button in a manner to conceal their ends, substantially as specified.

3. In combination therewith, a soft washer, as described, between the shield or its equivalent and the fabric, substantially as and for the purpose specified.

CELIUS E. RICHARDS.

Witnesses:

ISAAC A. BROWNELL,
STEPHEN A. BARKER.