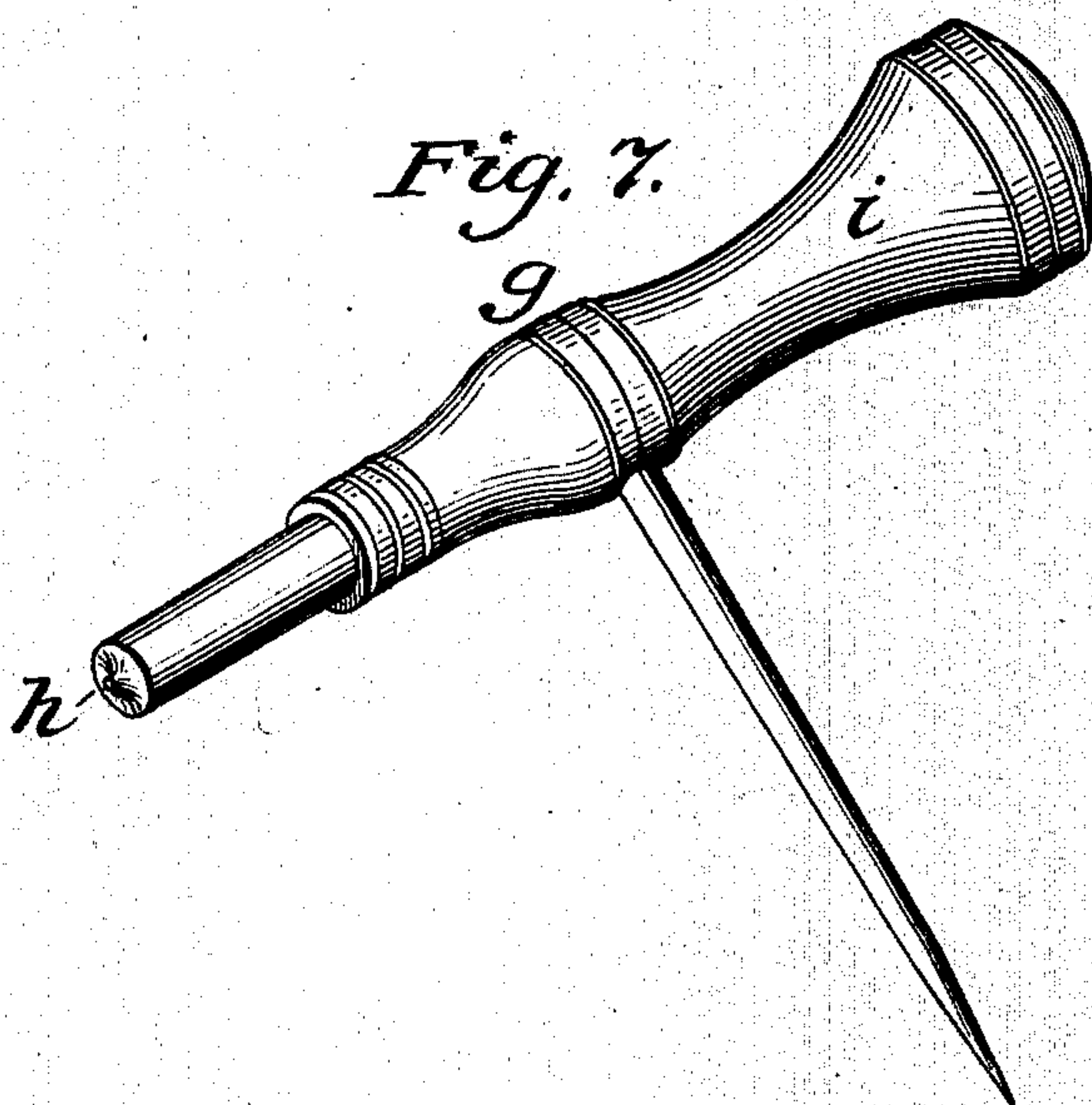
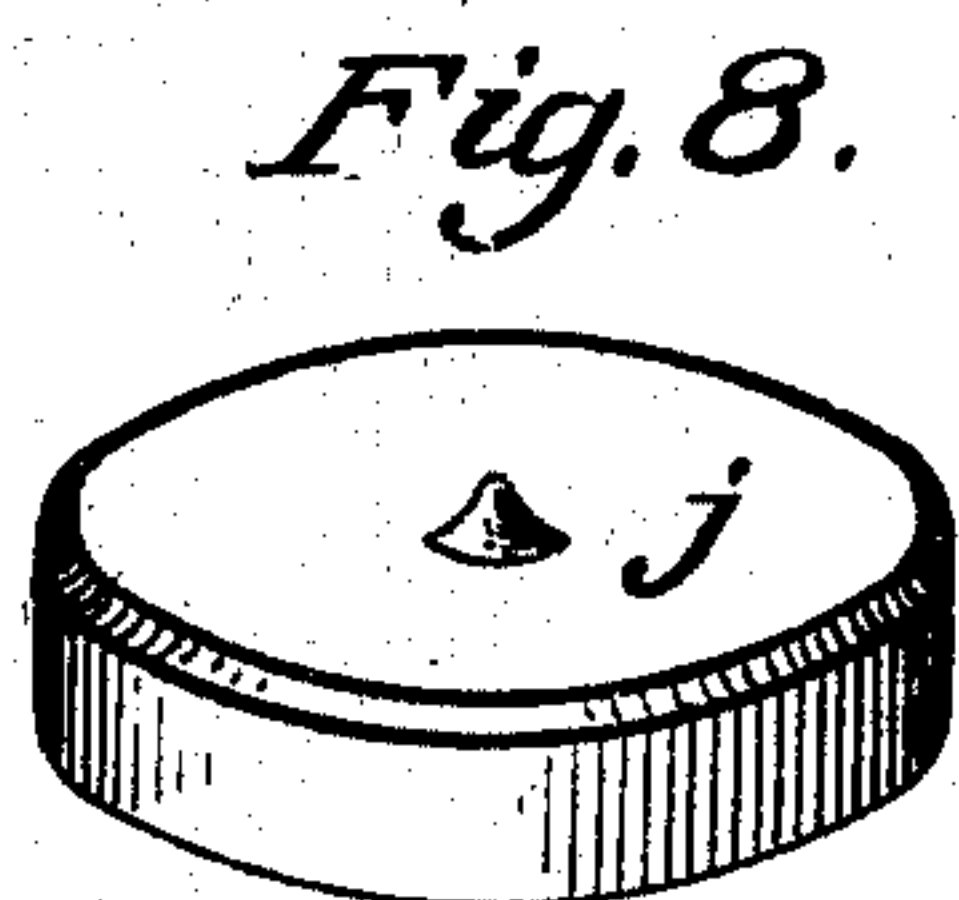
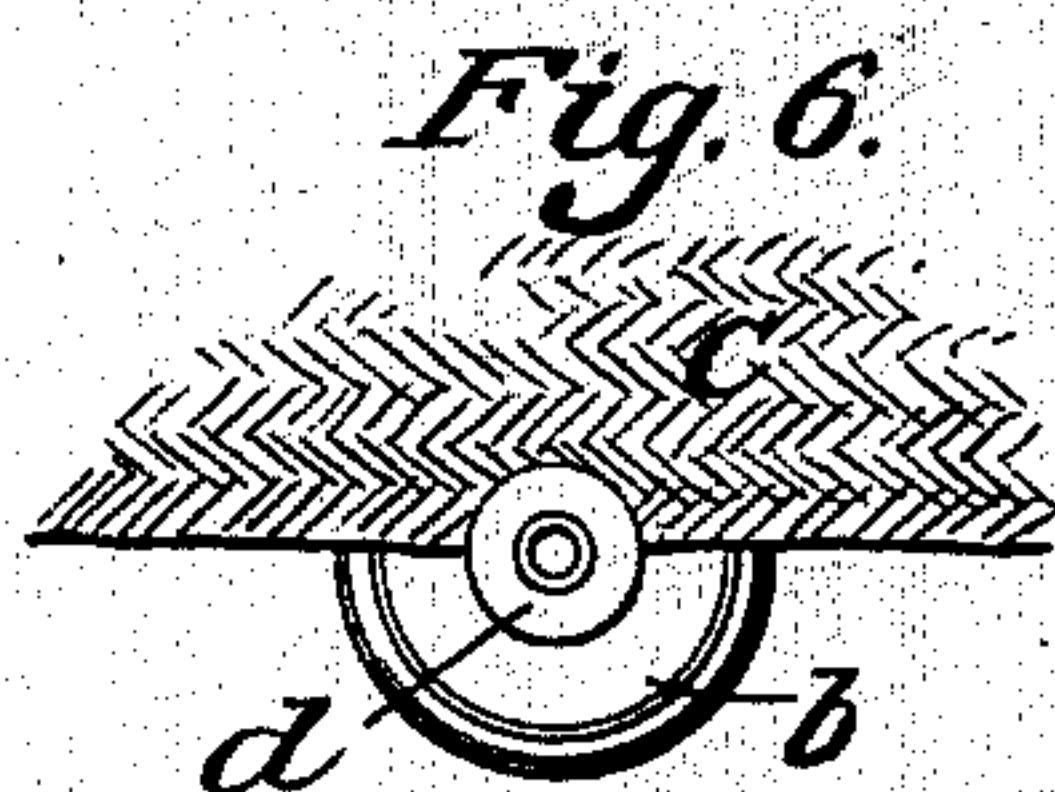
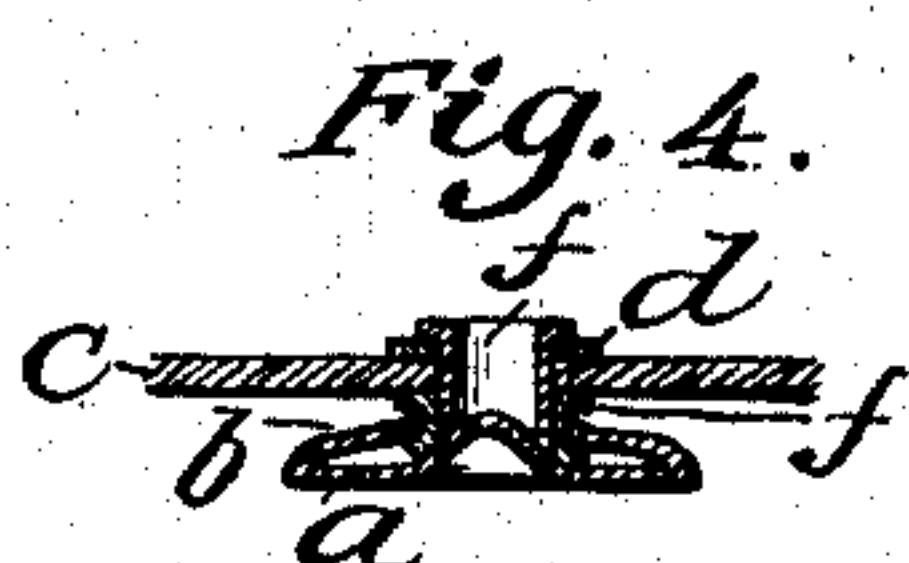
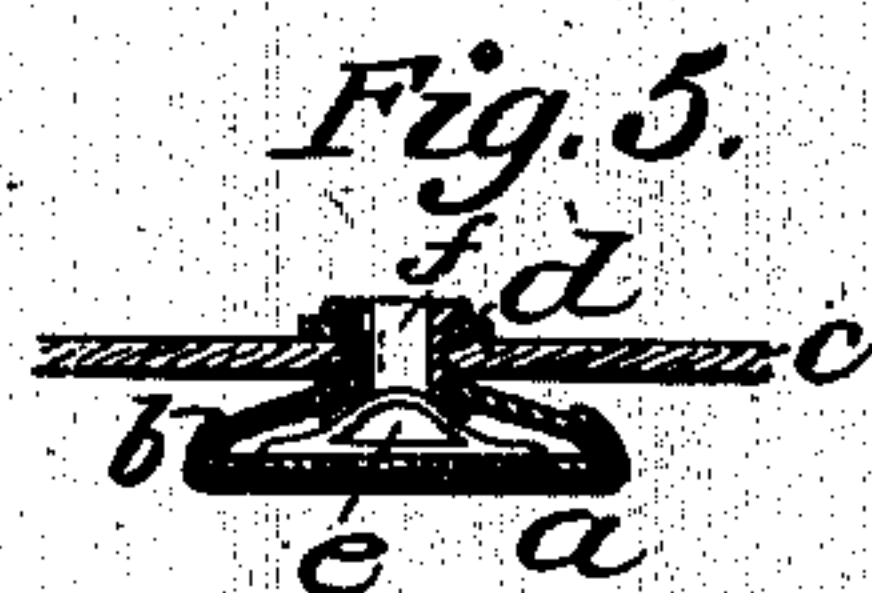
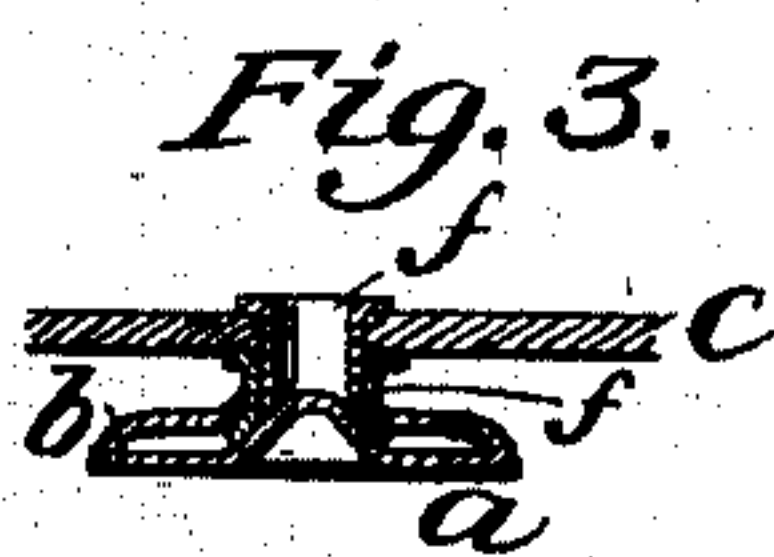
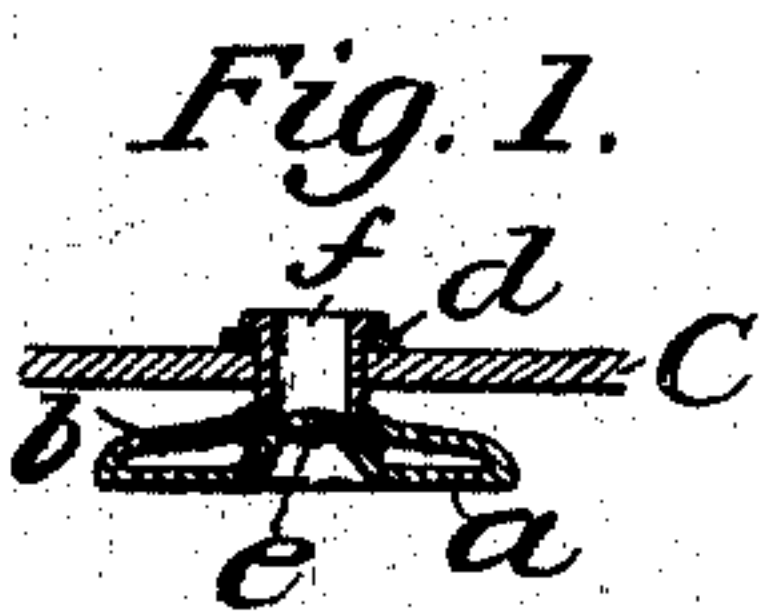


G. J. CAPEWELL.
BUTTON FASTENING.

No. 62,001.

Patented Feb. 12, 1867.



Witnesses.

Arthur Penick

Chas. F. Wilson

Inventor.

George J. Capewell
By D. C. Colby
his Attorney

United States Patent Office.

GEORGE J. CAPEWELL, OF WEST CHESHIRE, CONNECTICUT.

Letters Patent No. 62,001, dated February 12, 1867.

IMPROVEMENT IN BUTTON FASTENINGS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE J. CAPEWELL, of West Cheshire, in the State of Connecticut, have invented new and useful Improvements in Methods of Attaching Buttons to clothing, awnings, curtains, or any textile fabric; and I do hereby declare the following to be a full and exact description of the same, reference being had to the drawings which accompany and form a part of these specifications, in which—

Figure I is a bisected view of a button, showing the position of parts, and also the cloth.

Figure II, same view, excepting there is no washer above the cloth.

Figure III, sectional view showing two eyelets—one shorter than the other, and the longer less in diameter than the other—and within it.

Figure IV, same as that of Fig. III, only the washer above the cloth is added.

Figure V, view of another style of button with plane front surface, and the cone formed on a separate piece of metal, and placed within the button.

Figure VI, plan view of button, cloth, eyelet, and washer.

Figure VII, view of bodkin and die for use in attaching the buttons.

Figure VIII, view of bed piece, on which the button is placed when the eyelets are forced in to form the flange under the inner disk of the button.

Letter *a*, front plate of the button; letter *b*, back part of the button; letter *c*, the cloth or fabric; letter *d*, washer; letter *e*, cone raised on the plate *a*; letter *f*, eyelet or button socket; letter *g*, bodkin; letter *h*, die for setting in the eyelets; letter *i*, handle of this machine; letter *j*, bed piece to rest the button upon while the die is being used.

It will be seen that in Fig. I the rear plate of the button is brought close to the cloth, while in Fig. II there is some space between. This difference results from not forcing the eyelet quite so far down over the cone *e*, and thus more space is left for the fabric that has the button-hole. By using two eyelets we secure a firmer shank, and by having one of them longer than the other, as seen in Figs. III and IV, and placing the cloth between the flanges of the two, as seen in Fig. III, we secure all the space required for the cloth that buttons on; and if more protection to the cloth is needed, the washer *d* may be put on, as in Fig. IV. The form shown in Fig. V is suitable for covering with cloth, the front plate being plane, and a cone raised on another extra plate placed within the button, as shown. The bodkin is fitted to make the holes in the cloth; the die to force the eyelet down upon the cone *e*, swaging its lower rim out into a flange within the button, beneath the plate *b*, and at the same time pressing down the other flange of the eyelet close upon the cloth or washer, as the drawings show. Care should be taken in using the die to see that the lower end of the eyelet sets rightly on the cone *e*, and then that the machine or die forms a good flange beneath the plate *b*, otherwise the buttons might rip off.

The object of my invention is to provide a ready means of attaching buttons to textile fabric other than by sewing, and to produce suitable buttons therefor. The various modifications I adopt, both in the manufacture of the button and manner of fastening, will be well understood from the drawings.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A button, provided with the cone *f*, either as shown in Fig. I or Fig. V of the drawings, substantially as and for the purpose specified.
2. The combination of a single eyelet with the cone *e*, either with or without the washer *d*, substantially as shown and described.
3. The two eyelets *f* and *f'*, in combination with the cloth *c* and the cone *e*, either with or without the washer *d*, when arranged and combined as and for the purposes set forth.

GEORGE J. CAPEWELL.

Witnesses:

D. C. COLBY,
JAMES FENTON.