

No. 711,739.

Patented Oct. 21, 1902.

D. SAMUEL.
BUTTON GUARD OR RETAINER.

(Application filed June 12, 1902.)

(No Model.)

Fig. 1.

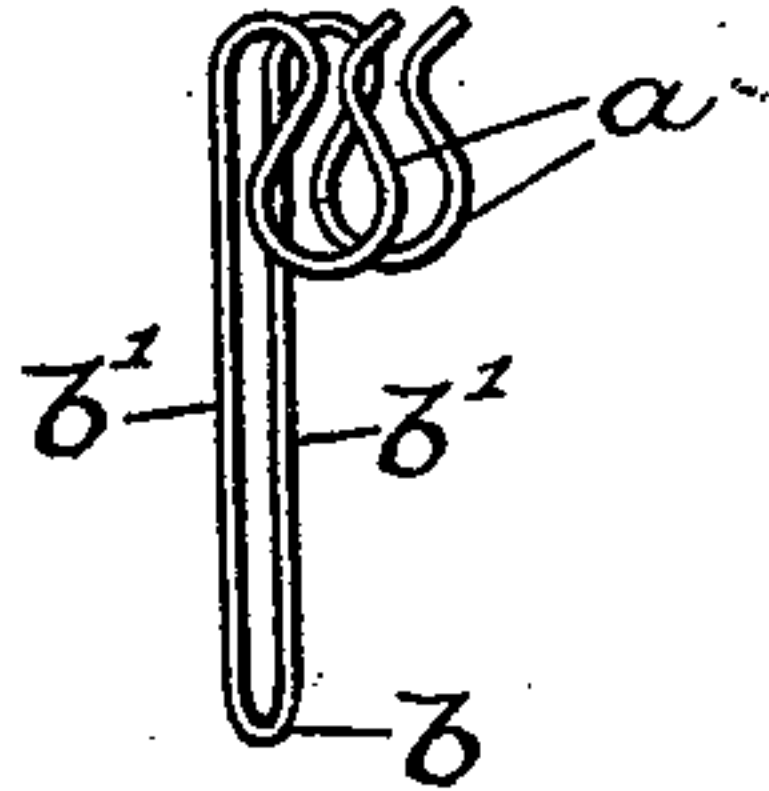


Fig. 2.

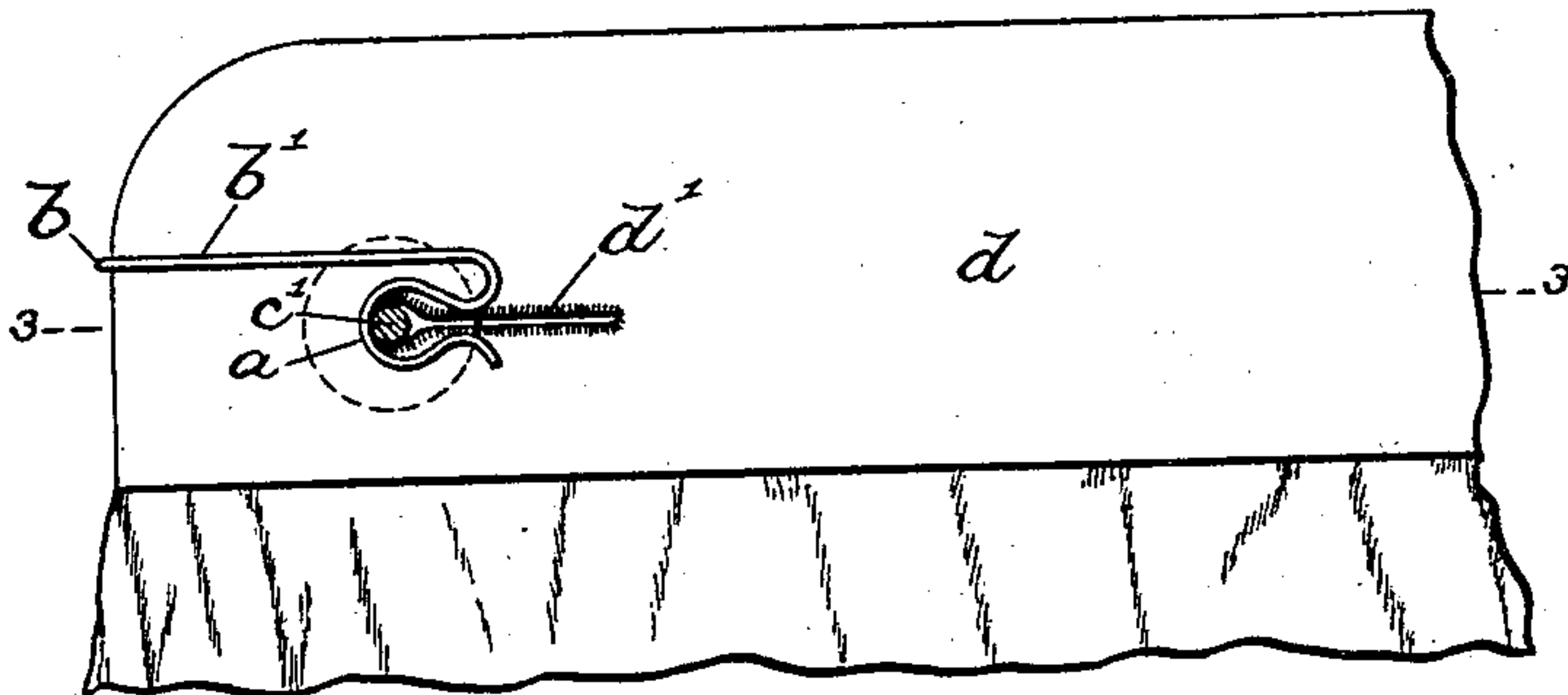


Fig. 3.

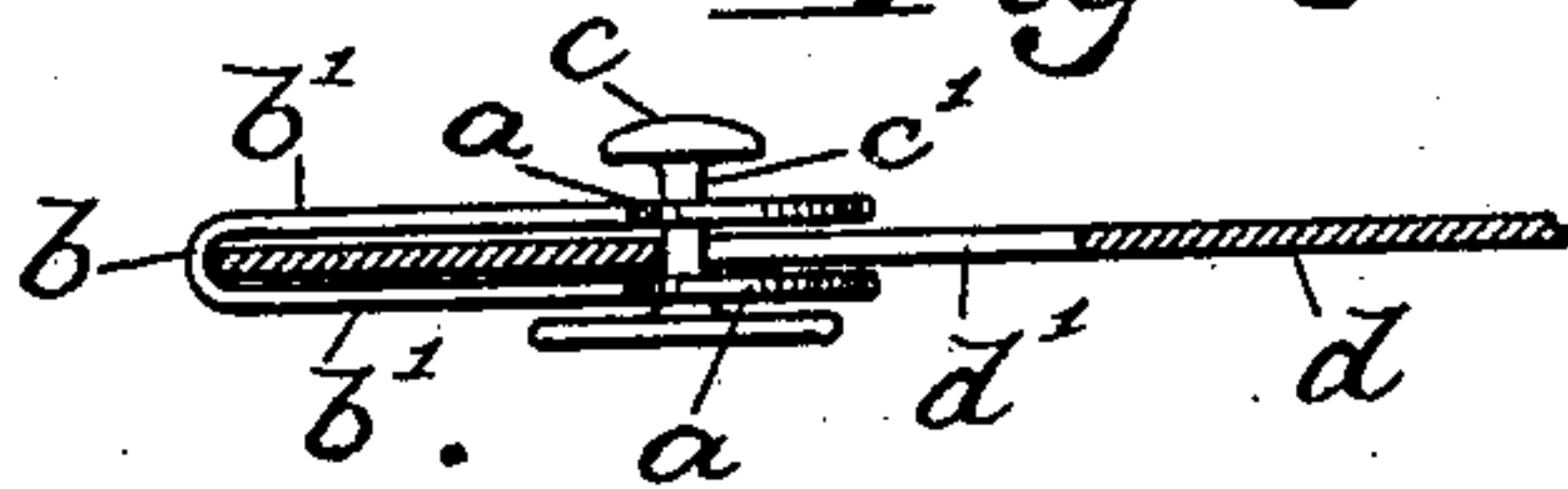


Fig. 4.

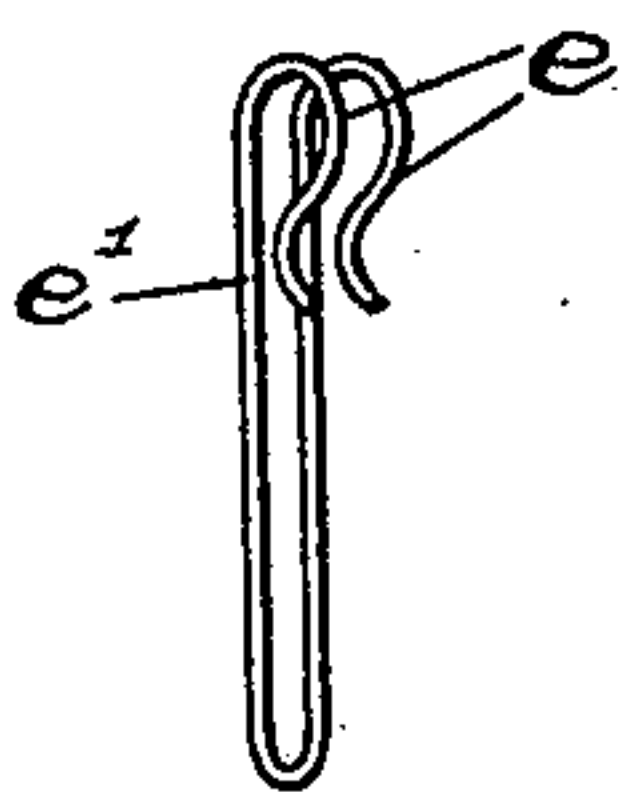
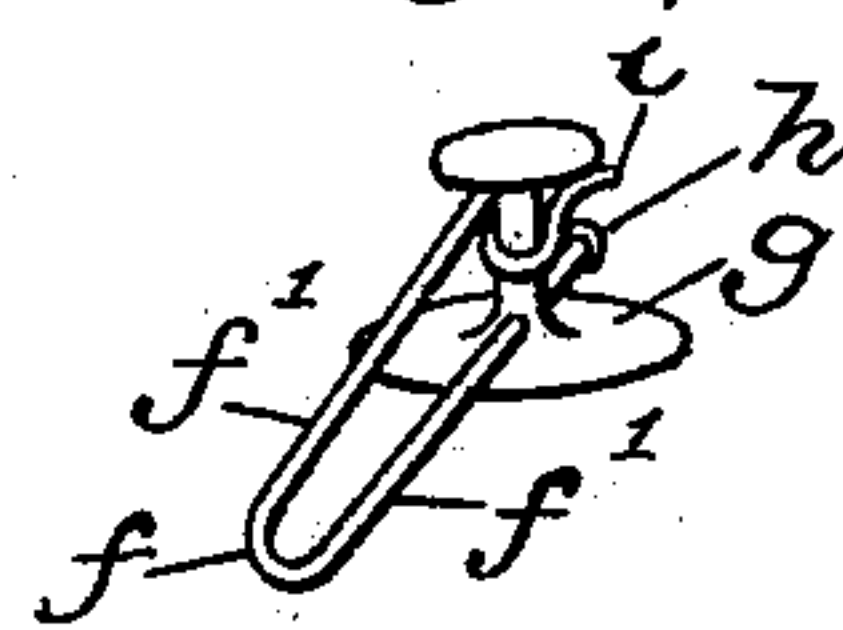


Fig. 5.



Witnesses:
H. F. Meyer,
Frederick S. Stitt.

Inventor.
David Samuel.
By Mann & Co.,
Attorneys.

UNITED STATES PATENT OFFICE.

DAVID SAMUEL, OF BALTIMORE, MARYLAND.

BUTTON GUARD OR RETAINER.

SPECIFICATION forming part of Letters Patent No. 711,739, dated October 21, 1902.

Application filed June 12, 1902. Serial No. 111,302. (No model.)

To all whom it may concern:

Be it known that I, DAVID SAMUEL, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Button Guards or Retainers, of which the following is a specification.

This invention is an improved button guard or retainer device designed to prevent a detachable stud or button from becoming accidentally detached from the buttonhole.

The invention consists of certain constructions and combinations of parts hereinafter fully described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of one form of the device. Fig. 2 is a view of a portion of a wristband, showing the application of my device to the button in the buttonhole, the head of said button being cut off to show the shank. Fig. 3 is a longitudinal view, partly in section, of the same on the line 3 3 of Fig. 2. Figs. 4 and 5 are detail views of modified forms of the device.

The retainer device illustrated in Figs. 1, 2, and 3 comprises two spring-clips *a*, connected by a U-shape member *b*. In the present instance said device is formed of a single strand of wire bent at its middle portion into U shape, with approximately parallel side members *b'*, and each of said side members is bent into S shape at right angles to the plane of the U-shape member to form the spring-clips *a*, with the contracted mouths of the clips extending outwardly or away from the cross-bend or arch of the U-shape member *b*.

After the detachable stud or button *c* has been inserted in a buttonhole—say the buttonhole *d'* of a wristband *d*, (illustrated in Figs. 2 and 3)—the retainer device is passed over the edge of the wristband, with its U-shape connecting member *b* straddling the said wristband, and the two clips *a* embrace the shank *c'* of the button, one clip holding to the shank on one side of the wristband and the other clip holding to the shank on the opposite side of the wristband. That portion of the clips which embraces the shank is of smaller diameter than the base and head of the button. Hence neither said base nor

head can be drawn through said portion, and the only way the button can become disengaged from the retainer is by passing out through the contracted mouths of the spring-clips, which require some little pressure to open them.

Fig. 4 illustrates a slightly-modified form of the device, in which the spring-clips *e* are reversed in position from the clips *a*—that is, their contracted mouths *e'* extend toward the cross-bend or arch of the U-shape connecting member.

The application of the device illustrated in Fig. 4 is the same as that illustrated in Figs. 2 and 3, except that the clips embrace the button-shank in a reverse way from that shown in said Figs. 2 and 3.

Fig. 5 illustrates another modification, in which one side member *f'* of the U-shape connecting member *f* is permanently secured to the stud or button *g* by being mounted to slide through the shank of the button and provided at the end with a head *h* to prevent the separation of button and retainer device, and the other side member *f'* of this form of the device is provided with a spring-clip *i* similar to the spring-clips *a*, illustrated in Figs. 1, 2, and 3.

To apply the combined button and retainer illustrated in Fig. 5, the retainer is drawn away from the button-shank until the head *h* abuts against the same, the clip portion of the retainer is grasped by the fingers and pulled away from the button, while the button-head is inserted through the buttonhole, and the said clip is then connected to the button-shank on the side of the buttonhole opposite to the side on which the base of the button is located.

While the accompanying drawings, Figs. 2 and 3, illustrate the retainer device as applied to a wristband, it is manifest that the device may also be used in any other place where a detachable button is employed.

Having thus described my invention, what I claim is—

1. The combination with a button of the character described, of a retainer device comprising a U-shape connecting member adapted to straddle the article in whose buttonhole

the said button is inserted, and adapted to hold to the button on opposite sides of the article, as set forth.

2. A retainer device for detachable buttons, comprising two spring-clips adapted to embrace the shank of the button, and a U-shape member connecting said spring-clips, and adapted to straddle the article in whose

buttonhole the said button is inserted, as and for the purpose set forth. to

In testimony whereof I affix my signature in the presence of two witnesses.

DAVID SAMUEL.

Witnesses:

CHARLES B. MANN, Jr.,
FREDERICK S. STITT.