(No Model.)

G. W. LEE & C. BRAMBERG.

SEPARABLE BUTTON OR STUD.

No. 556,851. Patented Mar. 24, 1896.

FIG. 3.

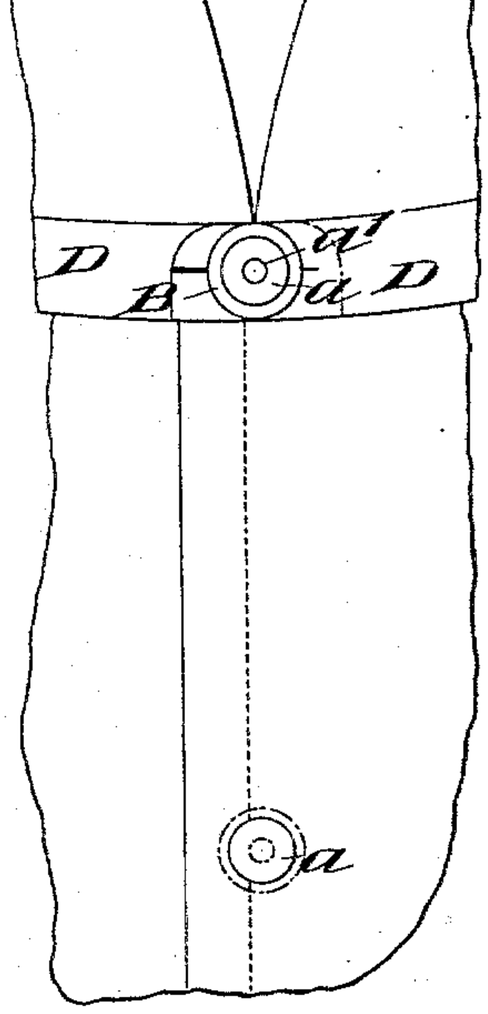


FIG. 1.

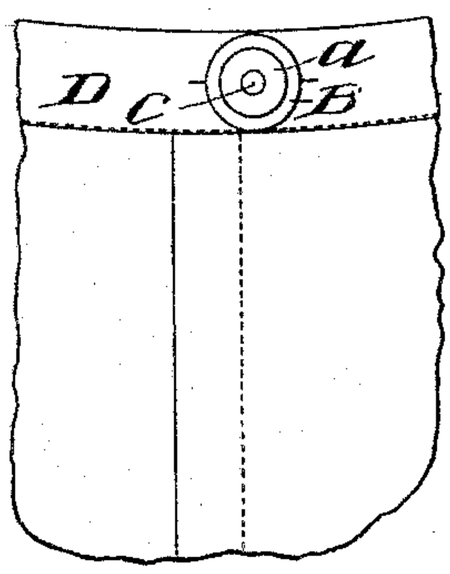


FIG. 2.

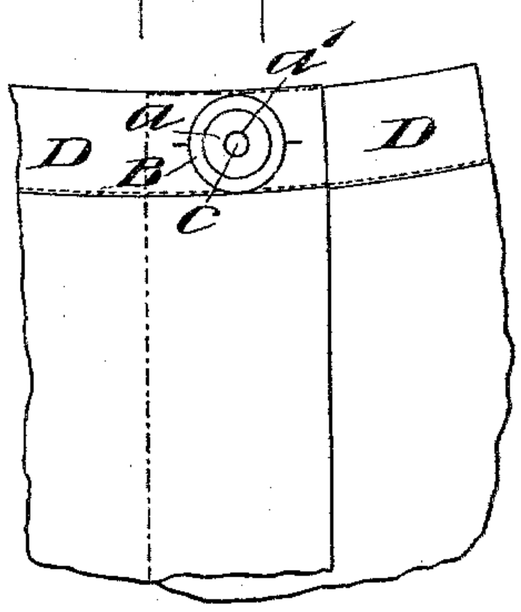


FIG. 4.

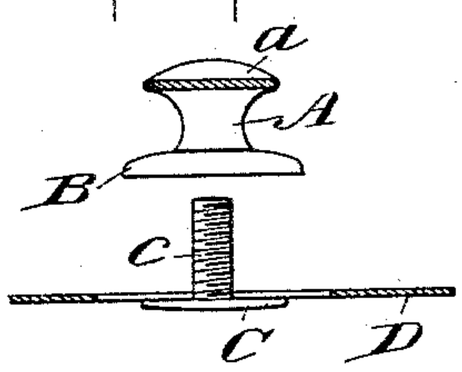


FIG. 5.

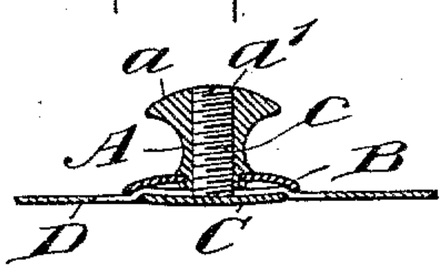
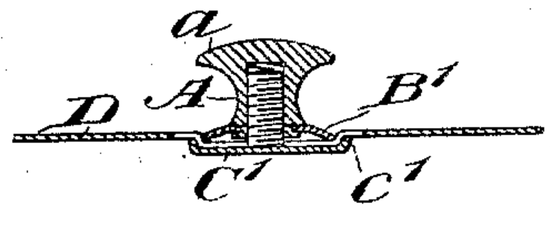


FIG. 6.



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by attorneys
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UNITED STATES PATENT OFFICE.

GEORGE W. LEE, OF HEMPSTEAD, AND CHARLES BRAMBERG, OF NEW YORK, N. Y.

SEPARABLE BUTTON OR STUD.

SPECIFICATION forming part of Letters Patent No. 556,851, dated March 24, 1896.

Application filed August 12, 1895. Serial No. 559,097. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. LEE, of Hempstead, in the county of Queens, and CHARLES BRAMBERG, of the city and county of New York, in the State of New York, have invented a new and useful Improvement in Separable Buttons or Studs, of which the following is a specification.

Our invention relates to an improvement in separable buttons or studs, in which provision is made for clamping the material to which the button or stud is to be attached firmly between the base and shank of the said button or stud.

A practical embodiment of our invention is represented in the accompanying drawings, in which—

Figure 1 represents the button or stud inserted in the front of a band—as, for example, a shirt-band. Fig. 2 represents the button or stud inserted through the overlapping edges of a band—such, for example, as a shirt-band. Fig. 3 represents the button or stud inserted through the band—as, for example, the band of a shirt and through the overlapping ends of a collar-band. Fig. 4 is an enlarged view, in side elevation, showing the parts of the button or stud separated and the base-section in its position through a buttonhole ready for the reception of the shank. Fig. 5 is a vertical section, showing the parts assembled and clamping the material to which the button or stud is attached tightly between the base and shank; and Fig. 6 is a similar view of a modified form in which the washer on the shank is of less size than the base-plate, as in the other form shown.

The shank of the button or stud, (denoted by A,) and terminating in a head *a*, either formed integral with the shank or attached thereto in any well-known or approved manner, is provided with a screw-threaded socket *a'*. (Shown in Figs. 4 and 5 as extending entirely through the shank and head and in Fig. 6 partially therethrough.) At the inner end or end opposite the head there is located a dish-shaped washer B with its hollow face turned downwardly or inwardly and swiveled on the end of the shank in such a manner as to permit the shank to turn freely without rotating the washer.

The base-plate of the male section of the button or stud is denoted by C, and from it there extends a screw-threaded stem *c*, adapted to register with the screw-threaded socket *a'* in the female section or shank A. In the form shown in Figs. 1 to 5, inclusive, the base-plate C is of less size than the dish-shaped washer B, so that it may be screwed into the shallow depression in the washer, while in Fig. 6 the said base-plate (denoted by C') has its outer edge *c'* turned upwardly to lap past the outer edge of the washer B', in this instance of less size than the base-plate.

In adjusting the button the male section may be entirely separated from the female or shank section, and its screw-threaded stem *c* is inserted through the buttonhole or buttonholes and the shank then screwed on, as represented in Figs. 4 and 5, where the material in which the buttonhole is formed is denoted by D, or in cases where the buttonhole will permit of it without trouble the shank portion may be unscrewed a short distance to separate the washer B from the base-plate and the base-plate may then be inserted in the buttonhole and the shank portion with its washer then screwed down to clamp the material D tightly between the outer edge of the base-plate and the concave face of the washer.

The advantages to which particular attention is called are that the buttonhole is prevented from spreading because of its opposite walls being tightly clamped between the base-plate and washer, so that the stud may be effectively employed where the buttonhole has been torn out, and again the dish-shaped washer permits of drawing the base-plate well within the depression formed in it, so that there is no edge exposed to the flesh of the neck of the wearer which will have a tendency to chafe it. It will also retain its place at any position throughout the length of the buttonhole and may be adjusted to various thicknesses of material without in any degree interfering with its effectiveness.

What we claim is—

The separable button or stud, comprising

two parts, the one provided with a screw-threaded socket having a washer swiveled thereon and the other consisting of a plate and a screw-threaded stem fixed to the plate and adapted to engage the socket, the said washer and plate being, the one dish-shaped and the other of sufficient diameter to enter within the dish-shaped space of the other when the button is applied, substantially as set forth.

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