No. 850,346. PATENTED APR. 16, 1907.

J. D. CONOVER.

BUTTON AND LOOP CLASP.

APPLICATION FILED MAY 11, 1904.

Fig. 1.

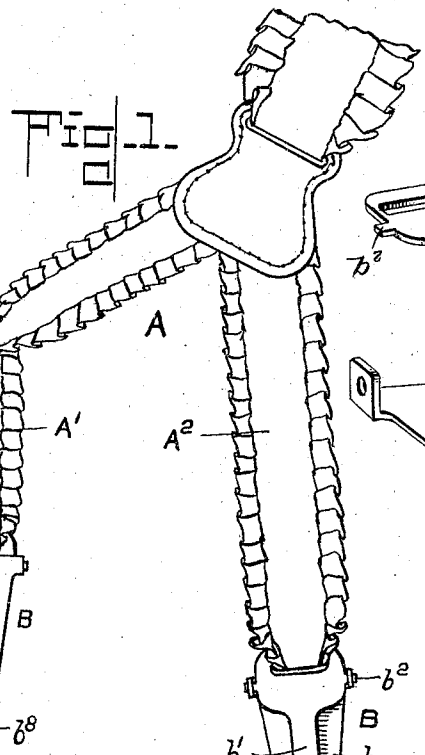
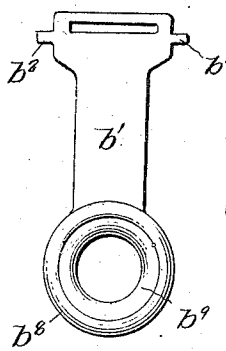


Fig. 4.



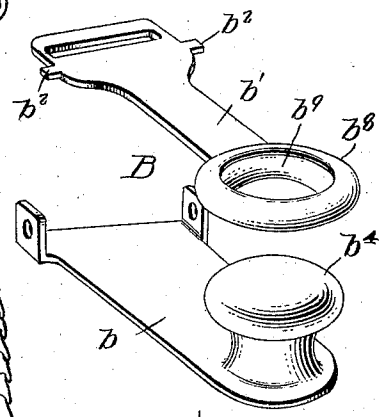
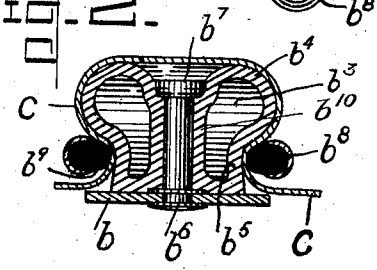


Fig. 3.

Fig. 2.



Witnesses.

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BUTTON AND LOOP CLASP.

No. 850,346. Specification of Letters Patent. Patented April 16, 1907.

Application filed May 11, 1904. Serial No. 207,381.

To all whom it may concern:

Be it known that I, JACOB DEY CONOVER, a citizen of the United States, residing at Middletown, in the county of Monmouth and State of New Jersey, have invented certain new and useful Improvements in Button and Loop Clasps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention relates to garment-supporting devices, and more particularly to supporters for stockings, which supporters embody in their construction a clasp comprising a stud and loop between which the fabric of the stocking is clamped.

The object of the present invention is to provide means for uniformly distributing the strain upon that portion of the material of the stocking which covers the head of the stud member of the supporter.

To the above ends the present invention consists of the devices and combinations of devices to be hereinafter described, and particularly pointed out in the claims.

The present invention is illustrated in the accompanying drawings, in which—

Figure 1 shows a portion of a stocking-supporting device having attached thereto two of my improved supporters, one in front and one in rear view. Fig. 2 is a cross-section showing the parts of the present invention with a portion of stocking clamped in place. Fig. 3 is a detail perspective view of the two members of a button and loop clasp constructed according to this invention. Fig. 4 is a plan view of the eyelet or loop member of the clasp.

Similar reference characters will be used throughout the specification and drawings to designate corresponding parts.

A represents a portion of a stocking-supporting device of any usual or desired form, that shown having two diverging branches A′ and A². Each of these branches is illustrated as being provided with my improved supporter B. The supporter B consists of the usual strap *b* and a flap *b′*, of sheet metal, the two being hinged together, as at b^2, in the usual manner. The strap *b* carries the stud b^3, which in the form shown consists of a hollow head b^4 and neck b^5, of rubber or similar material, held in place upon the strap by means of the headed rivet b^6, the head b^7 of the rivet being preferably countersunk. As clearly shown in Fig. 2, it will be seen that the hollow head b^4 is provided with an annular air space or chamber having a central sustaining-wall b^{10}, formed integral with the neck, said sustaining-wall surrounding the headed rivet b^6. The flap *b′* is provided with an eyelet b^8, which registers with the stud b^3 and which is of such proportions that it may be pressed over the head b^4 of the stud and firmly engage the neck b^5 thereof, preferably compressing it slightly.

The operation of the device is illustrated in Fig. 2, in which a portion of stocking C is shown passed over the head of the stud and held securely between the eyelet and the neck of the stud. In securing the supporter to the garment the fabric of the latter is placed over the stud, and the eyelet is then arranged above the fabric and the head of the stud and pushed down over the said head, and the latter being of rubber is compressed or gives way to permit the eyelet to slip over the head and below the same. No strain to which the supporter is ordinarily subjected will draw the eyelet away from the neck of the stud, since the resiliency of the stud enables it to follow the eyelet and maintain a contact throughout the entire circumference of the neck, while the cushion on the upper face of the stud permits adjustments of the stresses within the fabric covering the stud, so that the pull upon the stocking is always exerted entirely around the stud instead of along one side thereof, as in the case of the keyhole-slot and stud arrangement. The eyelet b^8 is preferably provided with an annular cushion b^9 along its engaging face, thereby giving additional elasticity to the gripping action between the eyelet and stud.

Having described my invention, I claim as new and desire to protect by Letters Patent of the United States—

1. In a device of the character described, the combination of a strap, a stud thereon formed of rubber or similar material and provided with a hollow head and shank, said head and shank being formed with a central opening extending therethrough, a rivet connected to said strap and extending through said opening to secure the stud in position, and formed with a head engaging the upper face of the stud-head, and an eyelet to coöperate with said stud said eyelet being provided with a cushioned engaging face, the distance between any two diametrically opposite points on the said face of said eyelet being

less than the largest diameter of said stud, the cushioned engaging face of the eyelet closely engaging the shank of the stud when the stud and eyelet are in coöperative position.

2. In a device of the character described, the combination of a strap, a stud thereon formed of rubber or similar material and provided with a head and neck formed with an annular chamber, said head and neck having a central opening extending therethrough, a rivet connected to the strap and extending through said opening to secure the stud in position, and an eyelet to coöperate with said stud.

3. In a device of the character described, the combination of a strap, a stud thereon formed of rubber or similar material and provided with a head and neck formed with an annular chamber concentric with the common axis of the head and neck, said head and neck having a central opening extending therethrough, a rivet connected to the strap and extending through said opening to secure the stud in position, and an eyelet to coöperate with said stud.

4. In a device of the character described, the combination of a strap, a stud thereon formed of rubber and comprising a head and neck formed with an annular chamber, means for securing the stud to the strap, and an eyelet to coöperate with said stud.

5. In a device of the character described, the combination of a strap, a stud thereon formed of rubber and comprising a head and neck formed with an annular chamber having a central sustaining-wall integral with the said head and neck, means for securing the stud to the strap, and an eyelet to coöperate with said stud.

6. In a device of the character described, the combination of a strap, a stud thereon formed of rubber and comprising a head and neck having an annular chamber, means for securing the stud to the strap, an eyelet snugly surrounding the neck, and cushioning means carried by the inner marginal edge of the eyelet, whereby the fabric of the stocking is yieldingly supported upon the upper face of the stud and is yieldingly clamped between the neck of the stud and the eyelet.

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

JACOB DEY CONOVER.

Witnesses:
WM. F. FRENDENREICH,
T. HART ANDERSON.