

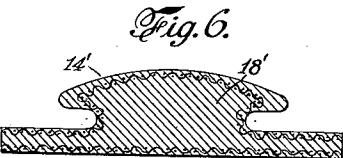
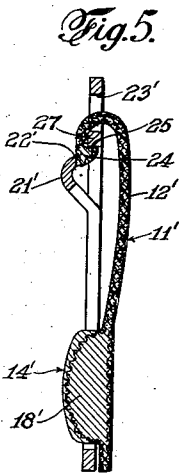
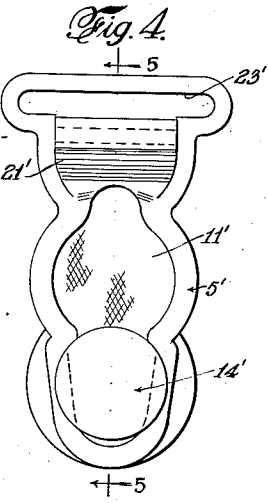
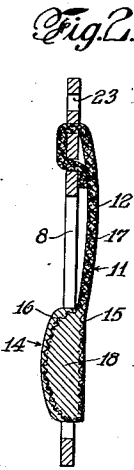
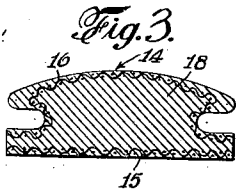
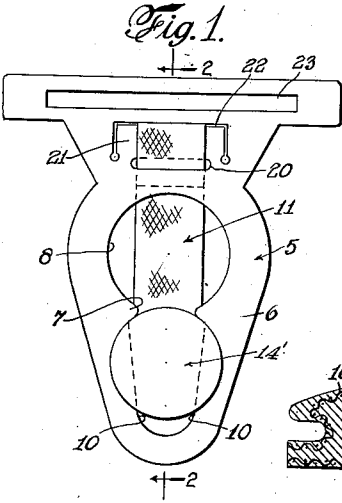
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2,093,231

CLASP

Original Filed June 8, 1935



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UNITED STATES PATENT OFFICE

2,093,231

CLASP

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1934

3 Claims. (Cl. 24—245)

This invention relates to clasps of the button-loop type shown and described in my copending application Serial No. 698,139, now Patent No. 2,006,535, dated July 2, 1935, with respect to which the present application is a continuation in part.

5 An important object of this invention is to provide in a clasp of the type mentioned simple, effective and generally improved means whereby the button element and loop member may be easily combined and thereafter permanently held in an assembled relation to each other.

10 Other objects and advantages of the invention will become apparent from the following description taken in connection with the accompanying drawing, in which—

15 Fig. 1 is a face view of one form of clasp embodying the invention; Fig. 2 is a transverse sectional view taken on line 2—2 of Fig. 1; Fig. 3 is a transverse sectional view of the button element shown in Figs. 1 and 2; Fig. 4 is a view similar to Fig. 1 and showing another form of clasp embodying the invention; Fig. 5 is a transverse sectional view taken on line 5—5 of Fig. 4, and Fig. 6 is a transverse sectional view of the button element shown in Figs. 4 and 5.

25 The clasp embodying the present invention, reference being had to Figs. 1 to 3, includes a loop or loop member 5, of suitable material such as sheet metal, the leg portions 6 of which present a pair of inwardly projecting lugs 7 at opposite sides of the loop opening 8 and at points substantially midway of the length of that opening, and further present immediately adjacent the lugs 7 a pair of downwardly and inwardly inclined button-engaging walls 10.

35 Associated with the loop member 5 is a button element 11, which may be produced according to the method described and claimed in my above copending application and which includes a retaining strap 12 and a button 14. As to the button element 11, it will be noted that the retaining strap 12 thereof comprises a suitable fabric 15, such as a non-stretchable "sheeting", in association with a suitable fabric 16, such as a stretchable "stockinet" material, the two fabrics being permanently united to each other throughout the length of the strap by an interposed layer of rubber 17, as explained in said copending application; and that the button 14 includes a mass of rubber 18 which is in physical union with the layer of rubber 17 and which is disposed intermediate a portion of the non-stretchable fabric 15 and that portion of the stretchable fabric 16 which is so distorted in the button-element forming operations described in said copending appli-

cation that it conforms generally, as shown in Figs. 2 and 3, to the contour of the button within which it is embedded.

In order that the button element 11 and loop member 5 may be easily combined and thereafter permanently held in an assembled relation, the latter is formed with an aperture 20 and is provided with a substantially U-shaped slit, which, as shown in Fig. 1, defines a struck-up anchor tongue 21, between the free end of which and the adjacent wall of said slit is afforded a slot 22, which is contiguous to the usual support-receiving opening 23 and the width of which, when the tongue is moved into the plane of the loop member, is slightly less than the normal thickness of the retaining strap 12 of the button element. By utilizing the tongue 21, the button element 11 may be effectively anchored to the loop member 5, and in doing so the outer end of the retaining strap 12 is passed through the slot 22 from the rear of the loop member, thence downwardly over the tongue 21 and into the aperture 20, whereupon the tongue 21 is moved into the plane of the loop member where it exerts an impinging action on the retaining strap, whereby the button element and loop member are permanently held in an assembled relation.

Referring to the form of invention shown in Figs. 4 to 6, it will be noted that the button element 11' differs from the button element hereinbefore described in that its retaining strap 12' in the immediate vicinity of its associated button 14' is somewhat wider than and extends laterally beyond the same, as shown most clearly in Figs. 4 and 6, and in that the retaining strap is formed at its outer end with a transversely disposed retaining rib or bead 24 which is produced according to the method described in my copending application of even date herewith and which presents a retaining shoulder 25. As to the loop or loop member 5', it will be noted that it differs from the loop member 5, hereinbefore described, in that its anchor tongue 21' which, as shown in Fig. 4 is defined by a substantially U-shaped slit corresponding to that mentioned in connection with Fig. 1, is curved so as to, in effect, shorten it sufficiently to allow, between its free end and the adjacent wall of said tongue-defining slit, an ample space or slot 22' to accommodate the ribbed or beaded end of the retaining strap. By utilizing the tongue 21', the button element 11' may be effectively anchored to the loop member 5', and in doing so the outer end of the retaining strap 12' is passed from the rear of the loop member through the usual support-receiving

opening 23', intermediate which and the anchor tongue 21' is formed a rib-engaging gusset 27, and is thereafter so introduced into the space or slot 22' afforded between the tongue 21' and the gusset 27 as to enable the retaining shoulder 25
5 to engage the gusset as shown in Fig. 5, whereupon the tongue 21' is moved into engagement with the strap 12' in the vicinity of the retaining rib 24 where it exerts an impinging action on the strap, whereby the loop member 5' and
10 button element 11' are permanently held in an assembled relation.

It will be understood that various changes other than those herein shown and described may be
15 resorted to without departing from the spirit of the invention or the scope of the following claims.

What is claimed is:

1. For use with a button element including a
20 retaining strap, a clasp of the button-loop type including a loop member having a substantially U-shaped slit formed therein and defining an anchor tongue the free end of which forms with the adjacent wall of said slit a slot adapted to receive the outer end of the retaining strap, into
25 impinging engagement with which said tongue is adapted to be moved and there serve to permanently hold said button element and loop member in an assembled relation to each other.
- 30 2. For use with a button element including a

retaining strap provided at its outer end with a retaining rib, and at its other end with a button, a clasp of the button-loop type including a loop member having a substantially U-shaped slit
5 formed therein and defining an anchor tongue the free end of which forms with the adjacent wall of said slit a slot adapted to receive the outer end of the retaining strap together with its associated retaining rib, said tongue being adapted to be moved into impinging engagement with said
10 retaining strap at a point intermediate said rib and said button and there serve to permanently hold said button element and loop member in an assembled relation to each other.

3. In combination, a retaining strap provided
15 at its outer end with a retaining rib and at its other end with a button, a clasp of the button-loop type including a loop member having a substantially U-shaped slit formed therein and defining an anchor tongue the free end of which
20 forms with the adjacent wall of said slit a slot within which the outer end of the strap at a point intermediate its associated button and retaining rib is disposed, the free end of said tongue being so disposed with relation to said retaining
25 strap as to offer an impediment to the removal of said strap from said slot and serve to hold said button element and loop member in a permanently assembled relation to each other.

WILLIAM C. BROADWELL. 30