Dec. 22, 1942. J. S. HAWIE 2,306,215

HOSE SUPPORTERS

Filed Aug. 12, 1942

Fig. 1

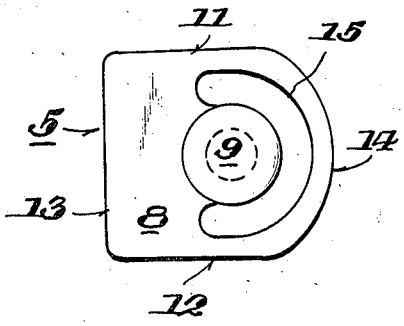


Fig. 2

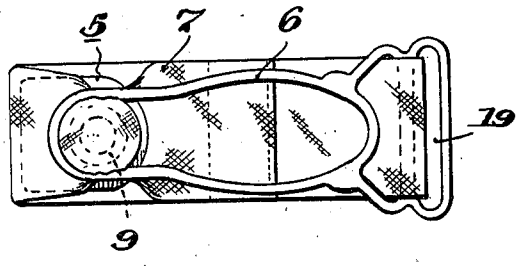


Fig. 3

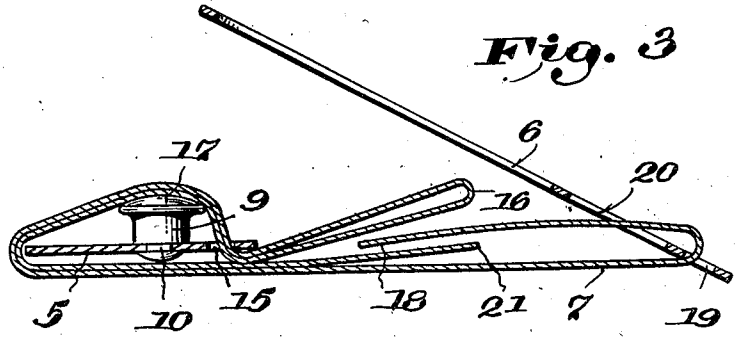


Fig. 5

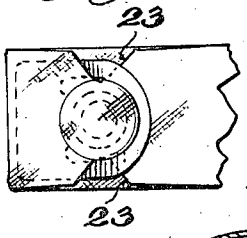


Fig. 4

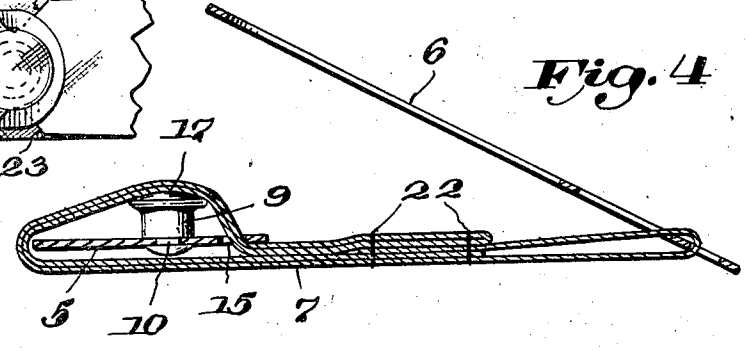
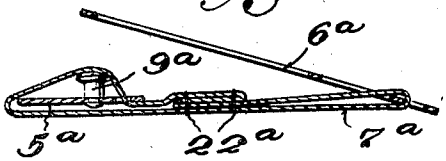


Fig. 6



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HOSE SUPPORTER

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Application August 12, 1942, Serial No. 454,579

11 Claims. (Cl. 24—245)

This invention relates to hose supporters grips of the type consisting of a button, loop and connecting tape. Heretofore, it has been customary to make the button of rubber or a suitable base covered with rubber. Since the use of rubber is now prohibited in the manufacture of such devices, it is the primary purpose of the present invention to provide a substitute which will serve the same purpose as rubber or rubber covered buttons for corsets, garters, or the like.

Another object of the invention is to produce a simple and inexpensive device, and yet one which will be exceedingly effective for the purpose for which it is designed.

With the foregoing objects outlined and with other objects in view which will appear as the description proceeds, the invention consists in the novel features hereinafter described in detail, illustrated in the accompanying drawing, and more particularly pointed out in the appended claims.

In the drawing:

Fig. 1 is a top plan view of the button element of my improved hose supporter grip.

Fig. 2 is a similar view of the entire grip.

Fig. 3 is a longitudinal sectional view with the terminals of the tape illustrated in the positions they occupy just before they are connected together.

Fig. 4 is a view like Fig. 3, with the terminals of the tape secured together.

Fig. 5 is a fragmentary plan view of a modification.

Fig. 6 is a view similar to Fig. 4, on a reduced scale, and illustrating a modification in which only a single thickness of tape is used in connection with the button element.

Referring to the drawing, it will be observed that the grip consists of a button element 5, a conventional loop 6, and a piece of non-elastic tape 7, preferably formed of textile fabric. The button preferably consists of a flat plate 8 formed of metal or any other suitable material, from which projects a stud 9, secured to the plate by any suitable means such as riveting 10. Opposite side edges 11 and 12 of the plate may be straight and arranged at right angles to a side edge 13 that is opposite to an arc-shaped edge 14. A slot 15, preferably arcuate in shape, extends through the plate and may be arranged substantially parallel to the edge 14, and substantially concentric with the axis of the stud 9.

To assemble the grip, the tape is first doubled back against itself as indicated at 16, and the doubled end or terminal is then passed over the head 17 of the button and through the slot 15, as indicated in Fig. 3. Then the end 18 of the tape is threaded through the eyes 19 and 20 of the loop and brought into a position between the terminal 16 and the end 21 of the tape. Finally, these terminals are secured together by any suitable means such as stitching 22. When the assembly is completed, the tape will surround the stud 9 and cover the head 17, and a double thickness of the tape will underlie the plate 8 so as to prevent any metal from contacting with the skin of the user. Obviously, when the loop is connected to the button, the tape will form a cushion over the head, as well as the sides of the stud, and insure a perfect grip, and prevent slipping or injury to the hose when under strain.

My new grip is simple and economical to manufacture, and will serve admirably as a substitute for those heretofore requiring rubber in their manufacture, and I believe it will be a great benefit to the corset industry and hose supporter manufacturers. As the button element has only a single suitably shaped slot, the latter will tend to shape the non-elastic tape to the stud, and therefore, with a single stringing, whether the single or double thickness of tape is used, it will cover the stud and the entire base completely, so that no metal will come in contact with the skin of the user.

In Fig. 6, the tape used with the button element is of single thickness instead of double thickness, and it will be noted in this figure that the tape 7*a* extends under the button element 5*a*, over the stud 9*a* and through the slot. In this example, the tape has only two terminals secured to the intermediate portion of the tape by stitches 22*a*.

Whether the tape is of single or double thickness, it may be provided with opposite notches 23, as illustrated in Fig. 5. Such notches are preferably cupped or stamped in the tape before it is strung, to facilitate the fitting of the head of the button and the slot in proper places along the tape, which results in a more uniform covering.

From the foregoing it is believed that the construction and advantages of my improved grip will be readily understood, and it is apparent that changes may be made in the details disclosed without departing from the spirit of the invention, as expressed in the claims.

What I claim and desire to secure by Letters Patent is:

1. In a hose supporter grip of the type having a button element, a loop, and a tape connecting

the button element and loop, the improvement in which the button element comprises a base having a stud projecting therefrom, said base also having first and second opposite side edges, the first edge being closer to the loop than the second edge, said base being imperforate with the exception of a single slot extending therethrough adjacent to said first edge, the tape extending through the slot, covering the stud, and extending about the second edge of the base and underlying the entire base.

2. In a hose supporter grip of the type having a button element, a loop, and a tape connecting the button element and loop, the improvement in which the button element comprises a base having a stud projecting therefrom, said base also having a single substantially semi-circular slot extending therethrough and arranged substantially concentric with the axis of the stud, said tape being doubled on itself to form three terminals, the doubled portion of the tape underlying the base, extending about an edge of the base, covering the stud, and extending through said slot, another portion of the tape engaging the loop and forming one of said terminals, the last mentioned terminal being arranged between the other terminals of the tape, and means securing said terminals together.

3. A hose supporter grip as claimed in claim 2, in which the tape is of non-elastic textile material.

4. In a device of the character described, a base having first and second opposite edges, a stud projecting from one side of the base, a slot in the base arranged adjacent to said first edge, and a non-elastic tape covering the opposite side of said base, extending around said second edge, over the stud and through said slot, the tape having oppositely disposed notches to receive portions of the base adjacent the ends of the slot.

5. In a hose supporter grip of the type having a button element, a loop, and a tape connecting the button element and loop, the improvement in which the button element comprises a base having a stud projecting therefrom, said base also having first and second opposite side edges, and a substantially semi-circular slot extending through the base adjacent to said first edge and arranged substantially concentric with the axis of the stud, the tape extending through the slot, covering the stud, and extending about the second edge of the base and unedrlying said base.

6. In a device of the character described, a base having first and second opposite edges, a stud projecting from one side of the base, a substantially semi-circular slot in the base arranged adjacent to said first edge and positioned substantially concentric with the axis of the stud, and a non-elastic tape covering the opposite side of said base, extending around said second edge, over the stud and through said slot.

7. In a device of the character described, a base plate having an arcuate edge and an opposite straight edge, a stud projecting from the plate between said edges, said base having a substantially semi-circular slot extending therethrough, arranged substantially parallel with said arcuate edge and substantially concentric with the axis of the stud, and a piece of non-elastic tape underlying said base plate, extending about said straight edge, covering the stud, and extending through said slot.

8. In a device of the character described, a base having first and second opposite edges, a stud projecting from one side of the base, a substantially semi-circular slot in the base arranged adjacent to said first edge and positioned substantially concentric with the axis of the stud, and a non-elastic tape covering the opposite side of said base, extending around said second edge, over the stud and through said slot, the tape having oppositely disposed notches to receive portions of the base adjacent the ends of the slot.

9. A hose supporter grip as claimed in claim 1, in which the tape is of non-elastic textile material.

10. A hose supporter grip as claimed in claim 1, in which the slot is of substantially semi-circular shape and is arranged substantially concentric with the axis of the stud.

11. A hose supporter grip as claimed in claim 1, in which the ends of the tape overlap one another and are secured to a medial portion of the tape at a place between the button element and loop.

JACOB S. HAWIE.