Nov. 14, 1939. I. R. VERSOY 2,180,179

HOSE SUPPORTER BUCKLE AND THE LIKE

Filed Jan. 24, 1938

Fig. 1.

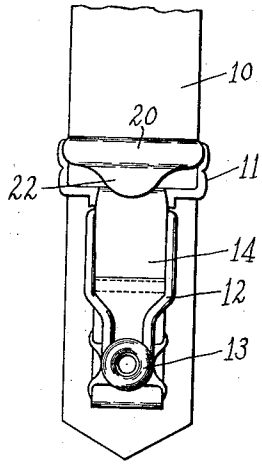


Fig. 2.

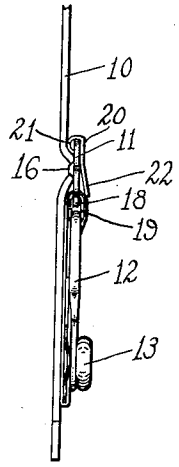


Fig. 3.

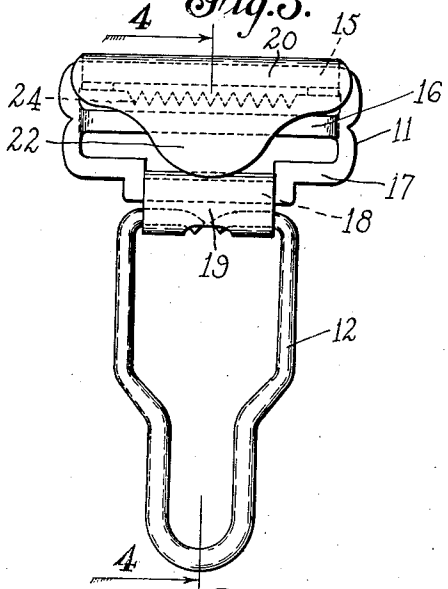


Fig. 4.

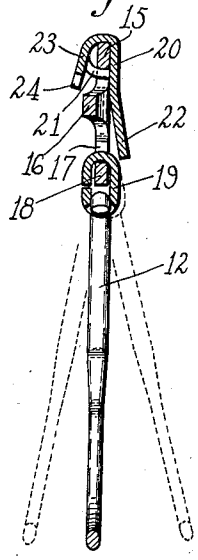
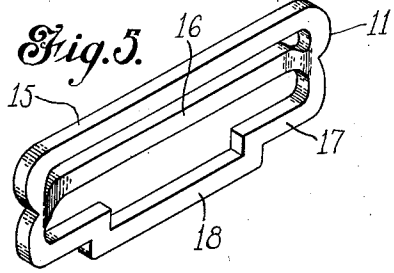


Fig. 5.



Inventor

Irving R. Versoy

By Borbull & Barkalow

Attorneys

Patented Nov. 14, 1939

2,180,179

UNITED STATES PATENT OFFICE

2,180,179

HOSE SUPPORTER BUCKLE AND THE LIKE

Irving R. Versoy, New Haven, Conn., assignor to The Berger Brothers Company, New Haven, Conn., a corporation of Connecticut

Application January 24, 1938, Serial No. 186,562

1 Claim. (Cl. 24—191)

This invention relates to buckles, and more particularly to a buckle for use with hose supporters, for example, and it is particularly concerned with a buckle designed to be adjustably secured to the strap or elastic portion of the hose supporter in such a manner that the latter will not need to be doubled to adjust the effective length of the supporter, but, on the other hand, this strap will always be of single thickness throughout its length. In addition, the invention contemplates the provision of a hose supporter buckle which will be less bulky than those commonly used at the present time, so that it will not tend to protrude in an unsightly and uncomfortable fashion.

One object of the present invention is the provision of a hose supporter buckle designed to be adjustably secured to the elastic web or body portion of the hose supporter where the latter is of single-ply thickness, and which is adapted to have connected directly thereto the loop which cooperates with the usual hose supporter tab end, whereby the stocking is supported directly from the buckle.

A still further object of the invention is the provision of a combined buckle and hose supporter grip which may be adjustably secured to a strap or web member of single thickness whereby the buckle and associated parts will lie as nearly flat as possible against the body of the wearer, and at the same time will hold both the stocking and the web of the supporter securely, and will also be capable of adjustment so as to decrease or increase the effective length of the supporter.

A still further object of the invention is the provision of a hose supporter buckle designed to cooperate with a hose supporter web of single thickness, and which will be of less thickness than buckles heretofore in use, and which may at the same time be readily and adjustably secured to the supporter web.

To these and other ends the invention consists in the novel features and combinations of parts to be hereinafter described and claimed.

In the drawing:

Fig. 1 is a front view of the end of a hose supporter provided with a buckle embodying my invention;

Fig. 2 is a side view of the same;

Fig. 3 is a front elevational view of the buckle removed from the hose supporter web;

Fig. 4 is a sectional view on line 4—4 of Fig. 3; and

Fig. 5 is a perspective view of the body portion of the buckle.

To illustrate a preferred embodiment of my invention, I have shown the lower end portion of a hose supporter comprising the web or strap member 10. In case the hose supporter is secured to a corset, this may be the strap member depending from such garment. In any event, it will be the usual elastic hose supporter member to which the hose supporter grips are attached and which is provided with an adjustable buckle, whereby the effective length of the strap may be varied. It will be apparent from Fig. 2 that the member 10 is not folded or doubled upon itself, as is often the case with such members, but is of single-ply thickness throughout its length, and to this web of single thickness is adjustably secured the buckle, as will be hereinafter described.

The buckle member is shown more particularly in Figs. 3 and 4, and consists of a body portion 11 having a loop 12 pivotally secured thereto, the loop 12 being of the usual shape and cooperating in the usual way with a button 13 secured at the lower end of a tab end 14, which tab end is also secured to the body portion 11 of the buckle.

The portion 11 of the buckle is provided with an upper bar 15, an intermediate bar 16, and a lower bar 17. The intermediate portion of the lower bar is offset downwardly, as shown at 18, to provide a stirrup effect, and it is to this offset portion that the member 12 is pivotally secured by suitable means such as a metallic securing member 19, which is bent around the bar 18 and the upper end of the loop 12. This member is designed to fit the bar 18 somewhat loosely so that the member 12 may pivot about this bar, as shown by the dotted line positions of Fig. 4. This pivotal movement of the loop 12 provides for the ready manipulation of this loop in securing the grip to the stocking independently of the buckle, so that there will be no tendency for the buckle to become accidentally released from the web member 10 when securing the grip to the stocking.

A clamping lever 20 is pivoted to the upper bar 15 by having its end portions 21 wrapped around this bar, and is provided with a finger piece 22 by which it may be manipulated. It is also provided rearwardly of the bar 15 with a clamping tongue 23 which may have a serrated edge 24 designed to cooperate with the upper portion of the bar 16 to adjustably secure the buckle to the web or strap member 10.

It will be noted from reference to Figs. 3, 4 and 5, that the bar 16 is offset rearwardly from

the general plane of the body portion 11, that is, the bar 16 lies rearwardly of the upper bar 15 and the lower bar 17. In securing the buckle to the web member 10, the latter is passed behind the bar 15, then through the opening between it and the bar 16, in front of the latter, and then rearwardly behind the lower bar 17, the end of the web member 10 simply depending freely in a single ply of material. It will be understood that when the member 10 is threaded through the buckle, as just explained, the finger piece 22 of the clamping lever is in raised position so that the member 23 is thrown forwardly and upwardly, with its serrated edge in a substantially horizontal position, thus leaving a free opening between the bars 15 and 16 for the passage of the web. The finger piece 22 is then pushed downwardly to the position shown in Fig. 4, and the serrated edge will serve to clamp the web 10 against the bar 16 so as to secure the buckle in place. Adjustment may readily be made by releasing the clamping tongue 23 and sliding the body portion 11 of the buckle to the desired position upon the web 10.

It will be seen that the offsetting rearwardly of the bar 16 permits the face of that portion of the web passing over the bar 16 to lie substantially within the outline of the body portion 11 of the buckle, and the web does not lie above the surface of the buckle, although threaded over this bar. It will also be seen from Fig. 2 that the rear surface of this bar does not project rearwardly of the main portion of the buckle and loop, so that no additional thickness at the back results. Moreover, not only does the buckle lie flatly against the web, but the latter is of only single-ply thickness throughout, and required adjustment is obtained by securing the hose supporter grip consisting of the loop 12 and tab end 14 directly to the buckle itself. The feature of having the loop 12 pivotally secured to the buckle provides for manipulation of this loop independently of the main portion of the buckle when securing the loop to the stocking, so that there will be no tendency to disengage the clamping tongue 23 during this manipulation to release the buckle.

It will also be apparent from reference to Fig. 4 that the point of engagement between the clamping tongue 23 and the web 10 is rearwardly of the front surface of the buckle, and that the web itself will lie below this surface.

While I have shown and described a preferred embodiment of my invention, it will be understood that it is not to be limited to all of the details shown, but is capable of modification and variation within the spirit of the invention and within the scope of the appended claim.

What I claim is:

A buckle for hose supporters or the like comprising a rigid body portion having flat upper, lower and intermediate bars all extending continuously from one side of the buckle to the other, the upper and lower bars lying in the same plane, and the intermediate bar being offset rearwardly with respect to said plane, and a clamp member folded over the upper bar and pivoted thereon and having a front depending actuating portion and a rear depending portion having a toothed edge to cooperate with the intermediate bar to clamp a single fabric web passing upwardly through the buckle behind the lower bar, in front of the intermediate bar, and behind the upper bar, the rear depending portion of the clamp being of such length as to clamp said web directly against the upper edge of the intermediate bar, and said rear depending portion in the clamping position having its toothed edge disposed somewhat rearwardly of said intermediate bar.

IRVING R. VERSOY.