

E. N. HUMPHREY.
 GARMENT SUPPORTER CLASP.
 APPLICATION FILED NOV. 1, 1909.

978,024.

Patented Dec. 6, 1910.

Fig. 1.

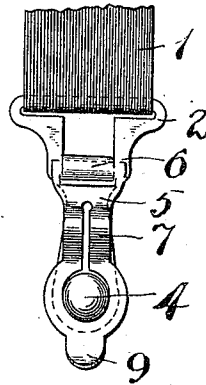


Fig. 2.

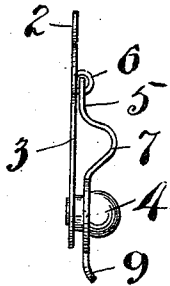


Fig. 3.

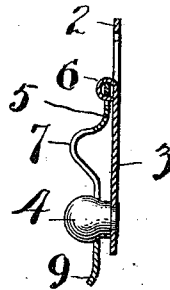


Fig. 4.

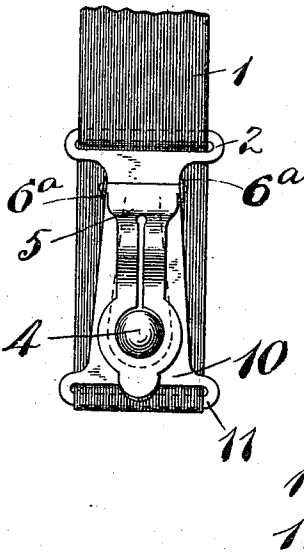


Fig. 5.

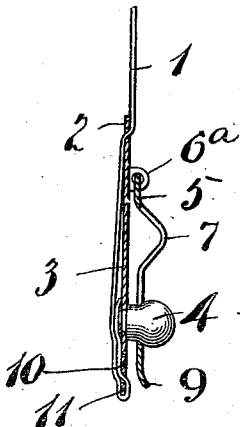
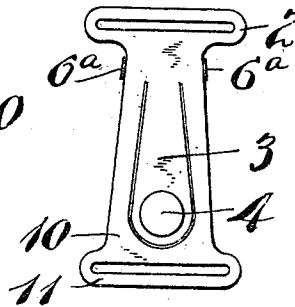


Fig. 6.



Witnesses:
Charles Reid
Fred M. Hammer

Inventor
 E. N. HUMPHREY
 By his Attorneys
Paul & Bremer

UNITED STATES PATENT OFFICE.

ERNEST N. HUMPHREY, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO TRAUT & HINE MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

GARMENT-SUPPORTER CLASP.

978,024.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ERNEST N. HUMPHREY, a citizen of the United States, residing at New Britain, county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Garment-Supporter Clasps, of which the following is a full, clear, and exact description.

My invention relates to improved garment supporter clasps, the object being to provide a simple, inexpensive and easily operated clasp device to hold a garment, for example, hose, the arrangement being such that the danger of tearing the hose is reduced to a minimum, while perfect security is guaranteed.

In the drawings, Figure 1 is a front view. Fig. 2 is a side elevation of the clasp shown in Fig. 1. Fig. 3 is a longitudinal section thereof. Fig. 4 is a front view of a modification. Fig. 5 is a longitudinal section thereof. Fig. 6 is a plan view of a portion of the clasp shown in Figs. 4 and 5.

First referring to the form shown in Figs. 1 and 3, it will be seen that the clasp is arranged to be suspended from a web 1, which engages a loop 2 at the upper end of the frame of the clasp. This frame of the clasp extends downwardly, its lower portion being resilient to operate as a spring (button-supporting) plate. 4 is a button mounted on the lower part of said plate 3, said button having a rather prominent head of a well rounded form, for the purpose hereinafter described. 5 is a spring clip hinged at 6 to the frame of the clasp. The clip 5 is preferably provided with a pronounced transverse corrugation or hump 7 intermediate its length. The lower end of the spring clip 5 is provided with a passage arranged to pass over the head 4, only slight clearance, however, being provided. 8 is a longitudinal slot extending back from the head clearance recess in the lower end of the clip and preferably extending well into or through the humped portion 7 of the clip. The clip 5 is hinged to the frame in such a manner that the lower edge of the head clearance opening in the clip slightly touches the lower side of the head whereby a "snap fastener" effect is secured. 9 represents a finger piece at the lower end of the clip to facilitate easy operation. To open the clasp, the forefinger is placed under the

upturned part 9. The thumb is placed upon the end of the button 4. Pressure being applied, the button head is pushed backwardly through the clip, furnishing clearance for the insertion of the garment to be supported. When a layer of the garment to be secured stands between the outer end of the button and the clip, the latter is pressed down until it snaps around the lower side of the head, that portion of the garment carried by the head being embraced by the sides of the button opening in the clip. As will be seen, during this operation of fastening the clasp to the garment, the spring plate 5 may buckle or yield sufficiently to snap over the head. In being forced into place, the clip may yield both laterally and longitudinally by reason of the slot 8 and hump 7 respectively, whereby all danger of cutting or injuring the fabric during the process of applying the clasp thereto is avoided. Not only may the plate 5 yield during this operation, but so also may the plate 3 buckle somewhat so that the button may tilt in a direction to aid in fastening the clasp to a garment.

In Fig. 4 I have shown a preferable form of my invention, in which the frame of the clasp has (beside plate 3) a depending extension 10 and a lower loop 11 to cooperate with the loop 2 at the upper end, the latter being similar to the loop 2 shown in Figs. 1 to 3. In this modification the spring tongue 3 carrying the button 4 is struck out from the depending frame 10, as best seen in Fig. 6.

In the form shown in Figs. 4 and 6, the webbing end is secured to the clasp in such a manner as to protect the body from contact with the metal parts thereof, producing the so-called very desirable "rustless" effect. The method of threading comprises passing the end of the webbing through the loop 2 from the front to the rear, thence carrying said web downwardly to the rear of the clasp and around the lower end, thence passing said web through the lower loop 7 from the front to the rear. By making the slots in the loops 2 and 11 sufficiently snug upon the web 1, all occasion for sewing is avoided, since in assembling the web with the clasp so many turns or bights are provided that friction alone prevents accidental separation of the parts.

The preferred form of securing the clip to

the frame of the clasp is shown in Fig. 1, in which the pivot knuckle 6 is struck up from the metal of the frame from a point near to, or intersecting, loop 2, which "struck-up" portion is rolled around the upper bar of the clip as shown. Other methods of connecting the clip may, of course, be employed, such as, for example, the method shown in Fig. 4, in which two side ears 6^a—6^a are provided, said ears being pierced to receive lateral projections in the upper end of the clip.

What I claim is:

In a garment supporter clasp, a frame, a

button mounted thereon, an elongated sheet metal clip hinged at its upper end to the upper part of said frame, said clip having an opening for said button, said opening being slightly larger than the button head, a transverse rib or corrugation intermediate the length of said clip, and a longitudinal slit in said clip extending from said button opening upwardly through said rib or corrugation.

ERNEST N. HUMPHREY.

Witnesses:

IDA M. HUNZIKER,

M. E. GARRETT.