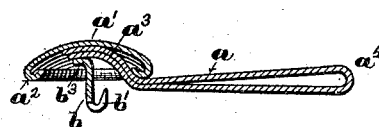
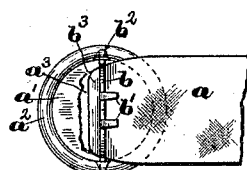
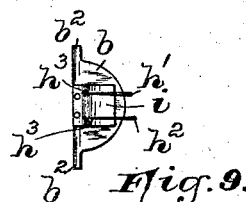
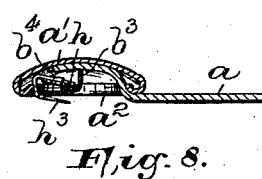
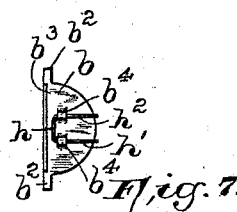
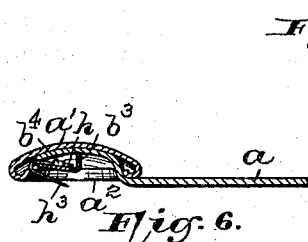
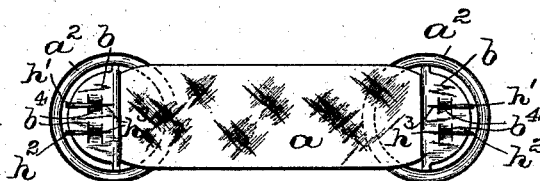
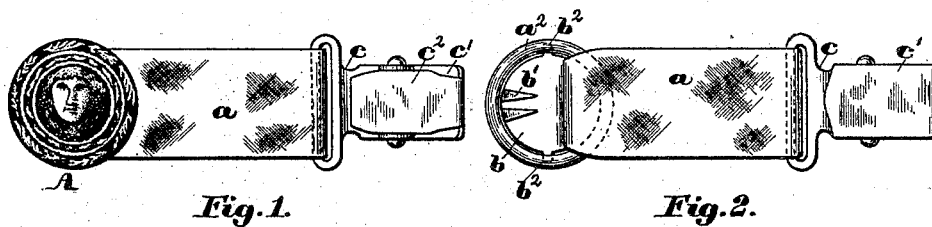


(No Model.)

G. B. ADAMS.
GARMENT SUPPORTER.

No. 489,702.

Patented Jan. 10, 1893.



WITNESSES:

Fig. 5.

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Fig. 4.

INVENTOR:

George B. Adams,
BY Fred C. Fraentzel, ATT'Y.

UNITED STATES PATENT OFFICE.

GEORGE B. ADAMS, OF IRVINGTON, NEW JERSEY.

GARMENT-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 489,702, dated January 10, 1893.

Application filed March 10, 1892. Serial No. 424,368. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. ADAMS, a citizen of the United States, residing at Irvington, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Garment-Supporters; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The present invention relates to a device designed for use as a sleeve, skirt, hose or other supporter, and the invention has for its object to provide for this purpose a device which will effectually perform all the functions of a garment supporter, which can be readily manipulated and attached to a garment, with nothing to mar the outward appearance thereof and by reason of its construction will permit of a greater variety of design and ornamentation.

A further object of the invention is to provide a clasp for this purpose which can be manufactured at a reduced cost and one that will be durable when in use.

With these ends in view, the invention consists of the improved constructions and combinations of parts which will be hereinafter more fully described and finally embodied in the clauses of the claim.

In the accompanying drawings, Figure 1 is a front view of a band provided with my improved form of clasp, Fig. 2 is a back view thereof, and Fig. 3 is a back view of the clasp or button with the clamping plate shown in its raised position. Fig. 4 is a vertical section of the same, clearly illustrating the arrangement of the free ends of a band between the inner surface of the shell of the button and the clamping end of the back-plate. Fig. 5 is a back view of the garment supporter in which the holding teeth are made separate and are arranged in loops formed in the metal of the pivoted holding jaws; Fig. 6 is a vertical section of said clasp, and Fig. 7 a back view of the holding jaw and the teeth arranged thereon. Fig. 8 is a view similar to

Fig. 6, in which the holding jaw is provided with a pressure plate arranged on the outer surface of said jaw and between the same and the needle-pointed teeth, and Fig. 9 is a plan view of said pivoted jaw employed in connection with the device shown in Fig. 8.

The essential features of my improved garment supporter are a band or elastic ribbon *a* to which are secured on its opposite ends the holding or clamping buttons *A*. Said buttons, consist essentially of a shell *a'* provided with an inwardly projecting marginal bead or rim *a²*, between which, and a back-plate *b* the ends *a³* of the band *a* are firmly secured, as will be clearly seen from Fig. 3. Said back-plates *b* are provided with downwardly projecting and curved teeth *b'*, as shown. The two buttons *A*, when arranged on the band *a* as in Fig. 5 have these teeth *b'* on their back-plates projecting toward each other, as shown, and in order to use the device, the teeth on the one button are slightly pressed into the material or cloth and by a pull on the band and thus upon the second button, the teeth of said button are also forced into the material and the garment thus suitably raised. Said teeth *b'* on one of the buttons can be made of sufficient size and need not be pointed, when used as a ladies skirt supporter, in which case the teeth can be hung over a belt encircling the person's waist. As will be seen from Fig. 4, said band or elastic ribbon *a* may be doubled, forming at one end a loop *a⁴* in which can be arranged an ordinary holding clasp *c* provided with spring-actuated jaws *c'* and *c²*. The opposite and free ends of the band may be secured to the form of button and back-plate illustrated in Figs. 2 and 3, instead behind the marginal bead *a²*, and the back-plate which is made slightly smaller than said bead, as shown in Fig. 2, and which is provided with pivotal pins *b²* for pivotally securing said back-plate to the face-plate or shell of the button *A*. Said back-plate is provided with a clamping lip or jaw *b³* which projects at a right angle, or approximately so, from the back-plate, as clearly shown, whereby the free ends of the band *a* can be placed between the inner surface of said shell and the outer edge of the jaw *b³* of the back-plate and when said plate is closed down, the cam-

action of said jaw b^3 presses the band against the inner surface of the shell and firmly holds it in position in the button.

Instead of forming the holding teeth b' integral with the pivoted holding jaw b , as illustrated in the above described views, said holding jaws may be formed with loops b^4 , which project up from the backs of said plates, as shown in Figs. 67 and 8, and in said loops I secure a double pointed wire h formed as shown in Fig. 7 into two strands h' and h^2 , which are bent beneath the face of the jaws b , substantially as shown, and terminate in the pin points h^3 . Between said pointed portions of the wire and the face of the pivoted back-plate b , I may arrange a spring-plate i which prevents said pins from entering too deeply into the material as will be understood from Figs. 8 and 9.

The devices above described are applicable to various uses; they are especially adapted for use on heavy clothing and are well adapted for trouser-leg supporters in stormy weather. They are of the greatest utility in clasp-
the folded lower ends of the trouser-legs of bicycle riders. They may be used as a ladies' skirt supporter and are of great benefit when used to secure the ends of a blanket on the body of a horse.

The main feature of my invention is to provide one end of a band, which is preferably elastic, with the holding device herein described having retaining teeth, and providing the other end of the band with various means for attaching this end of the supporter to a garment. Both ends of the band, however, may be provided with similarly constructed holding clasps or buttons, as will be evident from Fig. 5.

Having thus described my invention, what I claim is:—

1. As an improved article of manufacture, the herein described holding clasp, consisting essentially of a curved shell or face-plate, provided with a marginal and inwardly curved rim, a back-plate provided with journal pins

adapted to project beneath said rim, whereby said back-plate is pivotally secured to said face-plate, and means on said back-plate for grasping the end of a band between said face-plate and the back-plate, substantially as and for the purposes set forth.

2. As an improved article of manufacture, the herein described holding clasp, consisting essentially of a curved shell or face-plate, provided with a marginal and inwardly curved rim, a back-plate provided with journal pins adapted to project beneath said rim, whereby said back-plate is pivotally secured to said face-plate, a grasping jaw or lip on said back-plate for grasping the end of a band between said face-plate and the back-plate, and upwardly projecting or curved teeth on said back-plate for attaching it to a piece of material, substantially as and for the purposes set forth.

3. As an improved article of manufacture, the herein described holding clasp, consisting of a face-plate, and a back-plate pivotally secured thereto, a grasping lip or jaw on said back-plate for grasping the end of a band, loops b^4 formed in said back-plate and a wire strand secured in said loops having pin points, substantially as and for the purposes set forth.

4. As an improved article of manufacture, the herein described holding clasp, consisting of a face-plate and a back-plate pivotally secured thereto, a grasping lip or jaw on said back-plate for grasping the end of a band, loops b^4 formed in said back-plate, a wire strand secured in said loops having pin points, and a spring-plate between the face of the back-plate and said pin points, all arranged substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 8th day of March, 1892.

GEORGE B. ADAMS.

Witnesses:

FREDK. FRAENTZEL,
WM. H. CAMFIELD, Jr.