

(No Model.)

G. E. ADAMS.
CLASP.

No. 486,242.

Patented Nov. 15, 1892.

Fig. 1.

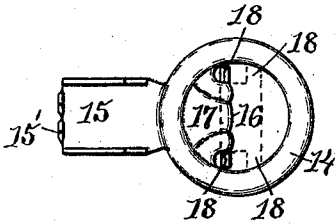


Fig. 2.

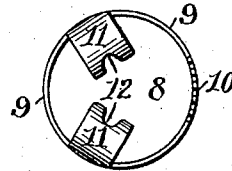


Fig. 3.

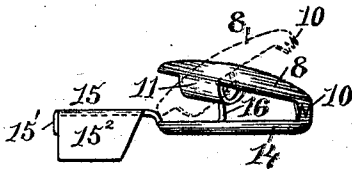


Fig. 4.

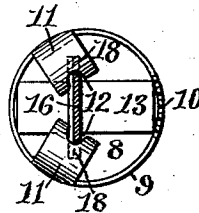
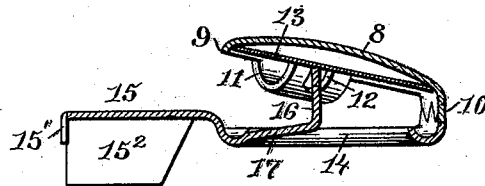


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE E. ADAMS, OF PROVIDENCE, RHODE ISLAND.

CLASP.

SPECIFICATION forming part of Letters Patent No. 486,242, dated November 15, 1892.

Application filed February 24, 1892. Serial No. 422,650. (No model.)

To all whom it may concern:

Be it known that I, GEORGE E. ADAMS, of the city of Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Clasps; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has reference to improvements in spring-clasps adapted to serve as necktie-fasteners, or it may be secured to the narrow webbing of a garment-supporter.

The objects of this invention are to reduce the cost of manufacturing the clasps, and to produce an article which shall be strong and durable, while being easily operated.

The invention consists in the peculiar construction of the shoe and the pintle-bearings formed in part therewith, and the combination therewith of a spring and the novel ring-shaped clamping-plate having the pintles and post stamped therefrom, as will be more fully described hereinafter, and pointed out in the claim.

Figure 1 represents a bottom view of the clamping-plate having an attaching-arm and the post and pintles stamped and bent therefrom, the original positions of the pintles with reference to this clamping-plate being indicated in dotted lines. Fig. 2 represents a bottom view of the shoe to show the construction and location of the bearing-plates. Fig. 3 represents an elevation of the complete button, the operation of the shoe being indicated in dotted lines. Fig. 4 represents a bottom view of the shoe, the spring being in place, and a vertical sectional view through the post of the clasp. Fig. 5 represents an enlarged longitudinal sectional view of the completed clasp.

In the drawings, 8 indicates the shoe-plate of the clasp, which has the edge bent up therefrom. The front portion of this edge is provided with serrations 10, and from the rear portions of the edge and integral therewith are bent over the arms 11 11, having bearings 12 12 formed in the ends thereof. Beneath the ends of these arms is secured the flat spring 13.

The clamping-plate 14 may or may not be provided with the securing-tongue 15, having wings under which a webbing may be held, and has an edge bent in the shape of a circular rib, the front portion of which is provided with serrations corresponding to those of the shoe. The metal from the center of this clamping-plate is stamped out, as is indicated by dotted lines in Fig. 1, leaving a post 16, secured to the rear portion of the plate by the ribbed base 17 and having at the forward end the pintles 18 18 in axial alignment with each other. This post 16 is now bent upward at right angles with the clamping-plate and the pintles inserted into the bearings 12 12 of the arms 11 11, the edge of the post bearing across the spring 13. The ends of the arms 11 11 are then bent closely down onto the spring, and the pintles thus secured in place.

The arms 11 may be bent from the edges of the shoe on a line with the location of the pintles; but I prefer to bend them at an angle thereto, as giving greater strength to the bend of these arms, the strain of the pintles being exerted at an angle to such bends.

The completed device forms a very neat and serviceable clasp. The shoe when tipped completely backward will be held open by the spring bearing against the back portion of the edge of the post; but when partially closed the spring will act to snap the serrated portions of the shoe and clamping-plate together and to clasp a fold of cloth held between them.

When the clasp is to be used on a garment-supporter, the securing-tongue 15 is formed in part with the clamping plate or ring 14 and is furnished with the prongs 15', bent at right angles with said tongue, and with the side wings 15², which are bent over the webbing placed on the reverse side of the tongue, thus forcing the prongs 15' into engagement with the webbing, and firmly securing the same to the clasp.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the shoe 8, having the inward radially-bent arms 11 11, provided with the bearings 12 12, and a spring 13, se-

cured within the shoe by the ends of said
arms, of an annular clamping-plate 14, the
base 17, formed integral with said plate, a
post 16, bent up from the base 17, and the
5 pintles 18 18, extending from the sides of
said post and adapted to be engaged by the
bearings 11 11, as described.

In witness whereof I have hereunto set my
hand.

GEORGE E. ADAMS.

Witnesses:

HENRY J. MILLER,
JOSEPH A. MILLER, Jr.