

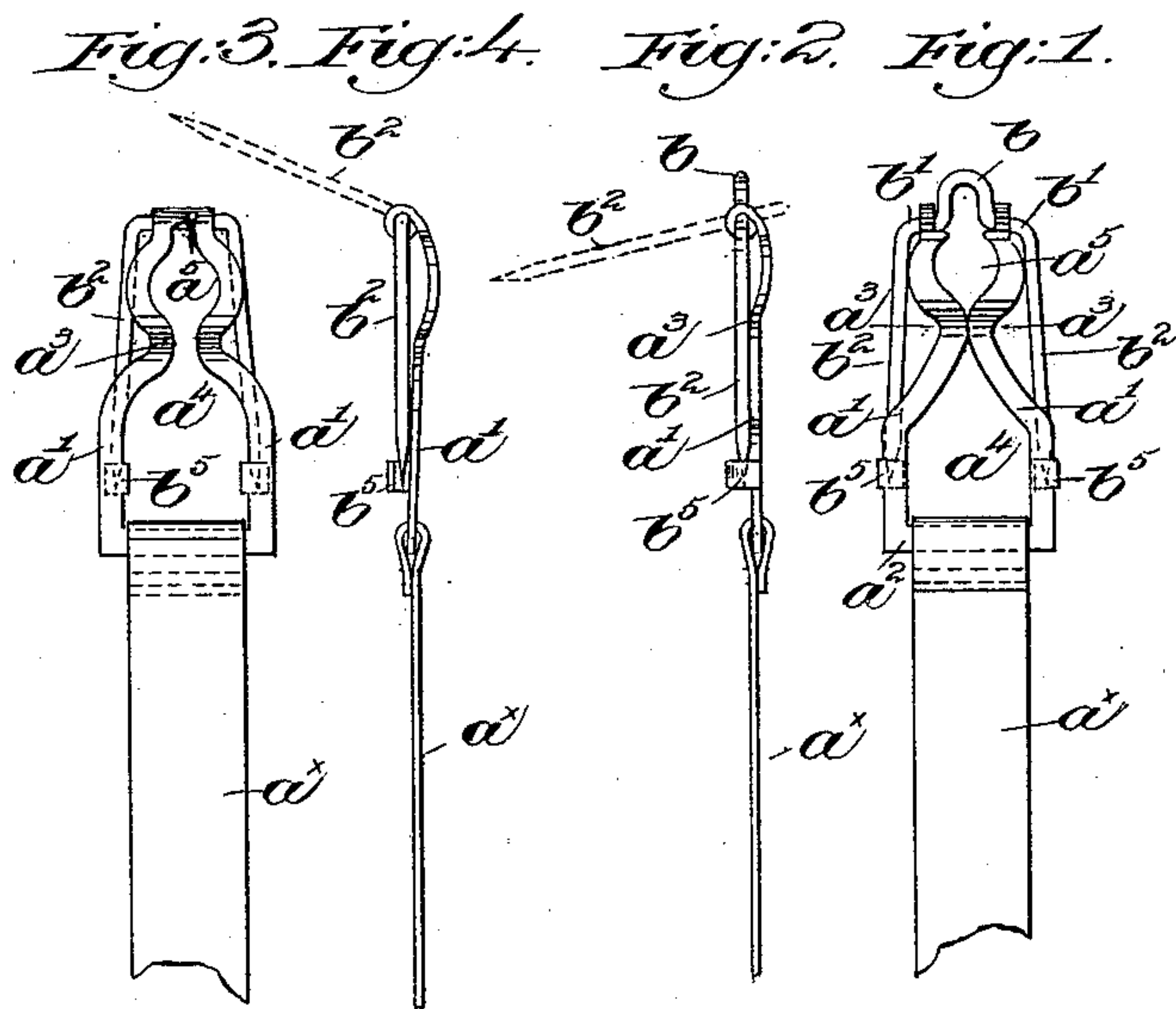
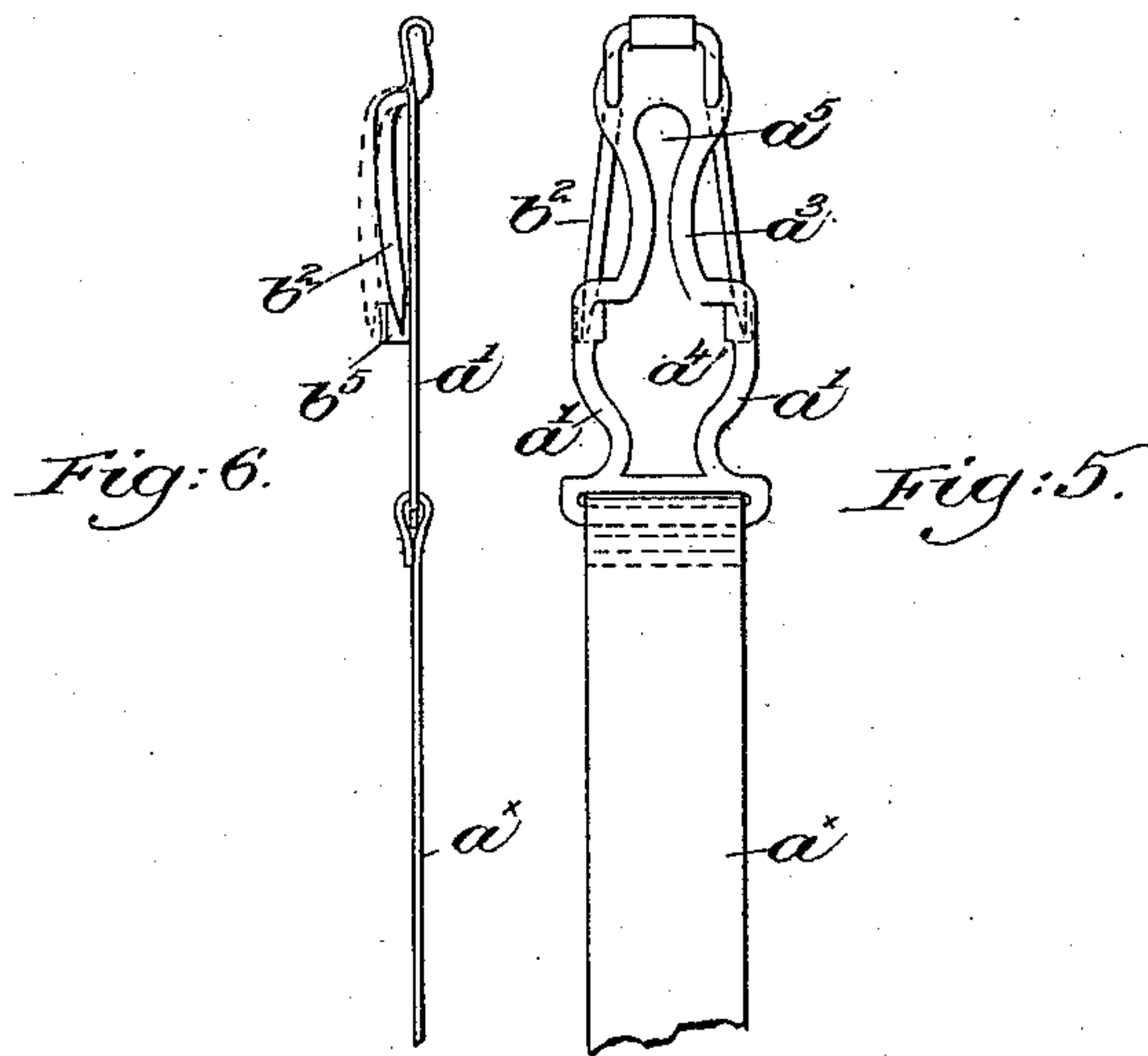
(No Model.)

E. PICKHARDT.

BUTTON LOOP AND SAFETY PIN.

No. 384,639.

Patented June 19, 1888.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## BUTTON-LOOP AND SAFETY-PIN.

SPECIFICATION forming part of Letters Patent No. 384,639, dated June 19, 1888.

Application filed March 1, 1888. Serial No. 265,757. (No model.)

*To all whom it may concern:*

Be it known that I, EMILE PICKHARDT, of Islington, county of Norfolk, State of Massachusetts, have invented an Improvement in a Button-Loop and Safety-Pin, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object the production of a combined button-loop and safety-pin especially adapted to be used on stocking and garment supporters commonly worn by ladies and children, the said button-loop being adapted to engage a button on a waist, corset, or other apparel of the wearer, and thereby support the said stocking or garment, the pin portion being adapted to be used in case the button becomes detached from the waist or other garment.

My improved button-loop may be made of sheet metal or wire frame, bent or shaped to form a button-receiving opening or eye at its lower end and a smaller button-holding eye at its upper end, the said loop being contracted or bent inwardly between the said eyes to form a contracted throat to fit snugly to the connection between the button and fabric as the loop is drawn upon to place the smaller eye of the loop between the button and fabric.

The upper portion of the frame, comprising the button-loop, will preferably be left open—that is, the ends of the wire or sheet metal forming the loop will be disconnected or left free—so that when the loop is drawn over the button the contracted throat will close together after the connection between the button and fabric has passed into the smaller eye, the natural spring or resilience of the wire or metal comprising the button-loop being permitted to exert its maximum effect by leaving the ends of the said wire or metal free or disconnected.

The button-loop frame is shown as provided with pins or prongs to form a safety-pin, by which the stocking or garment supporter may be attached to a waist, corset, or other portion of wearing-apparel, in case a button becomes detached.

My invention therefore consists, essentially, in a combined button-loop and safety-pin, of a frame constituting the button-loop and pro-

vided with an opening through which a button on a garment is adapted to be passed, combined with a safety-pin permanently attached to said frame and adapted to remain disengaged from the said garment while the button remains attached thereto, substantially as will be described.

Figure 1 shows one form of button-loop provided with a safety-pin to enable my invention to be understood, the said loop being secured to a band forming part of a stocking or garment supporter, the said band being broken off to save space on the drawings; Fig. 2, a side view of the loop and pin shown in Fig. 1; Figs. 3 and 5, modified forms of loop and pin, and Figs. 4 and 6, respectively, are side views of the loop and pin shown in Figs. 3 and 5.

Referring to Fig. 1, the frame comprising the button-loop is shown as made of sheet metal cut out of a blank (not shown) to form independent arms  $a'$  and a connecting-web,  $a^2$ , to which the band  $a^x$  of the supporter is secured. Each arm  $a'$  between its ends is bent inwardly, as at  $a^3$ , to form a contracted throat between a button-receiving eye or opening,  $a^4$ , and a button-holding eye or opening,  $a^5$ , the latter being partially formed, as shown in Fig. 1, by the crown or head  $b$  of a safety-pin, formed, as shown, by a single piece of wire bent to form shoulders  $b'$  and prongs or pins  $b^2$ , the safety-pin being secured to the button-loop, as herein shown, by bending the ends of the arms  $a'$  around the shoulders  $b'$ . The pins or prongs  $b^2$  are pointed or sharpened at their ends, and are normally covered or retained in proper place by bent ears or lugs  $b^5$  on the arms of the button-loop.

In operation the button on the waist or other garment is first passed through the eye  $a^4$  of the button-loop frame, and the latter is then drawn upon to cause the connection between the button and fabric, to which the said button is secured, to pass through the contracted throat  $a^3$  into the eye or opening  $a^5$ , which is smaller than the said button. As the connection between the button and fabric passes through the contracted throat, the arms  $a'$  are spread apart; but they come together again after the said connection has passed into the eye  $a^5$ , the free end of the arms  $a'$  permitting the said arms to exert their natural resilience



or spring action, the upper end of each arm  $a'$  sliding upon the shoulders  $b'$  as the contracted throat is opened and closed.

If the button becomes detached from the waist or garment, the supporter may be secured to the said garment by means of the safety-pin, the prongs or pins  $b^2$  of which are disengaged from the ears  $b^5$ , they being turned into their dotted-line position (shown in Fig. 2) to enable them to be inserted through the waist or garment.

I prefer the form of button-loop frame shown in Fig. 1—that is, with the free or disconnected arms  $a'$ —as the spring action of the said arms to close the contracted throat is more positive and effective to prevent the connection passing from the smaller eye,  $a^3$ , to the larger eye,  $a^4$ ; but when coupled with a safety-pin the arms of the button-loop frame may be connected together at their ends and the said loop may be made in other forms, as shown in Figs. 3 and 5.

Instead of the particular shaped pin shown in Figs. 1 and 2, I may employ pins having other or different shapes, such as shown in Figs. 3 to 6, inclusive.

I claim—

1. In a combined button-loop and safety-pin, a metallic frame provided with an opening to form a button-loop, through which a

button on a garment is adapted to be passed to secure the said loop to the garment, combined with a safety-pin permanently attached to the said metallic frame and adapted to remain inoperative or disengaged from the said garment while the button remains attached thereto, substantially as described.

2. In a combined button-loop and safety-pin, a metallic frame having a button-receiving and a button-holding eye separated by a contracted throat to form a button-loop, combined with a safety-pin permanently attached to the said frame and adapted to remain inoperative or disengaged from the said garment while the button remains attached thereto, substantially as described.

3. The combination, with a metallic button-loop consisting of a frame having independently-movable arms  $a'$ , bent to form a contracted throat, and leaving on opposite sides of said throat a button-receiving and a button-holding eye, of a safety-pin, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EMILE PICKHARDT.

Witnesses:

JAS. H. CHURCHILL,  
J. C. SEARS.