

(No Model.)

W. S. RICHARDSON.

FASTENER FOR GARMENTS, SUSPENDERS, &c.

No. 584,604.

Patented June 15, 1897.

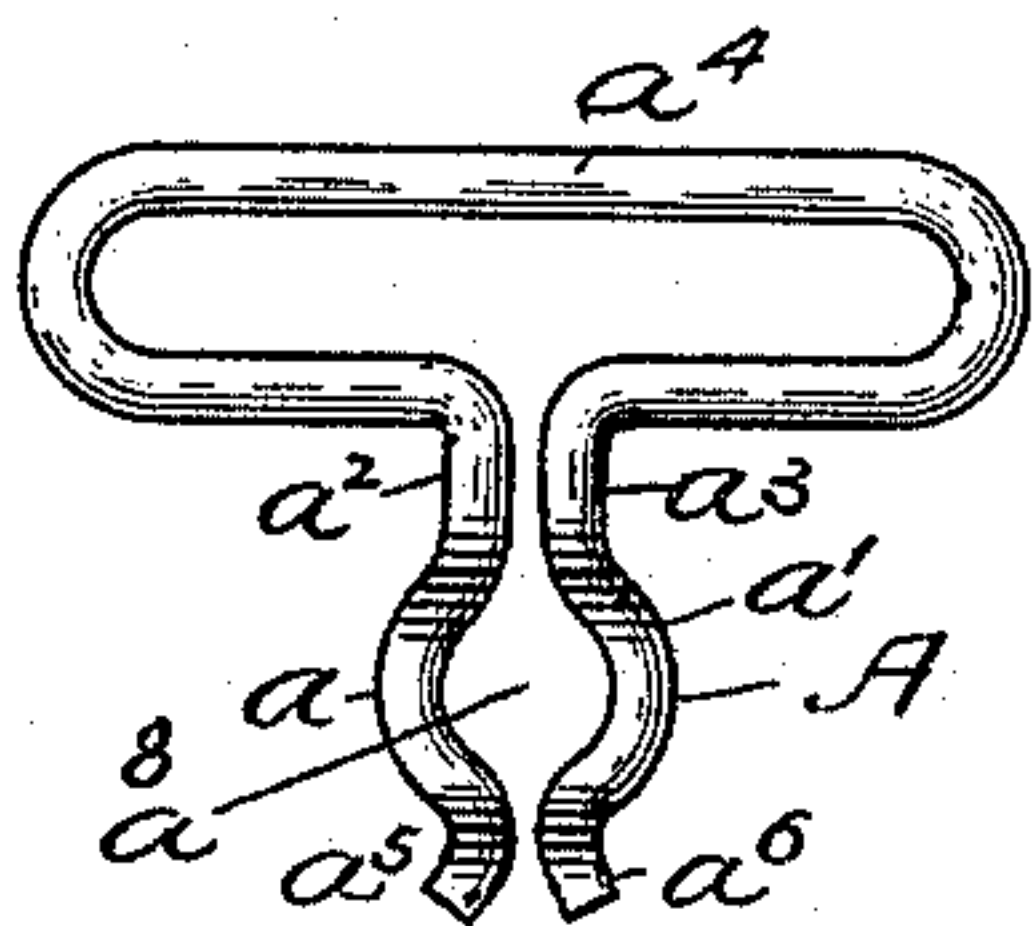


Fig. 1.

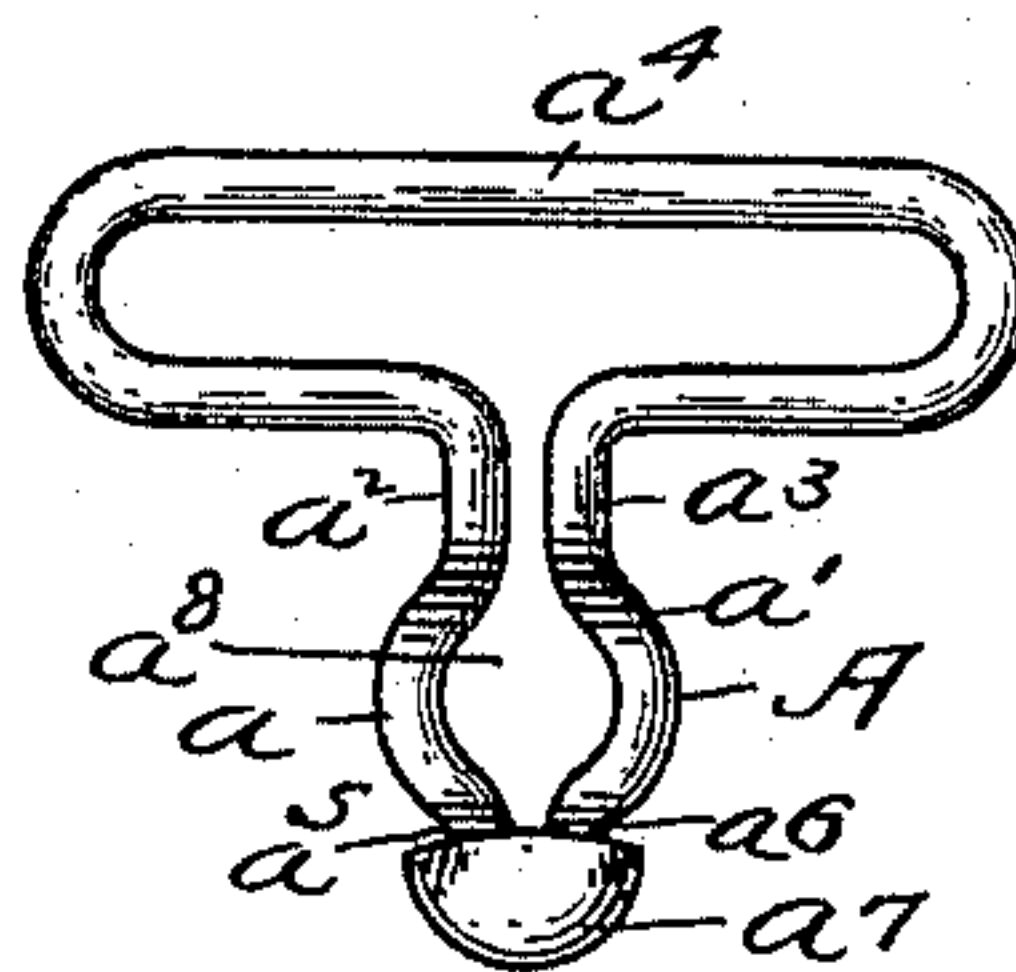


Fig. 2.

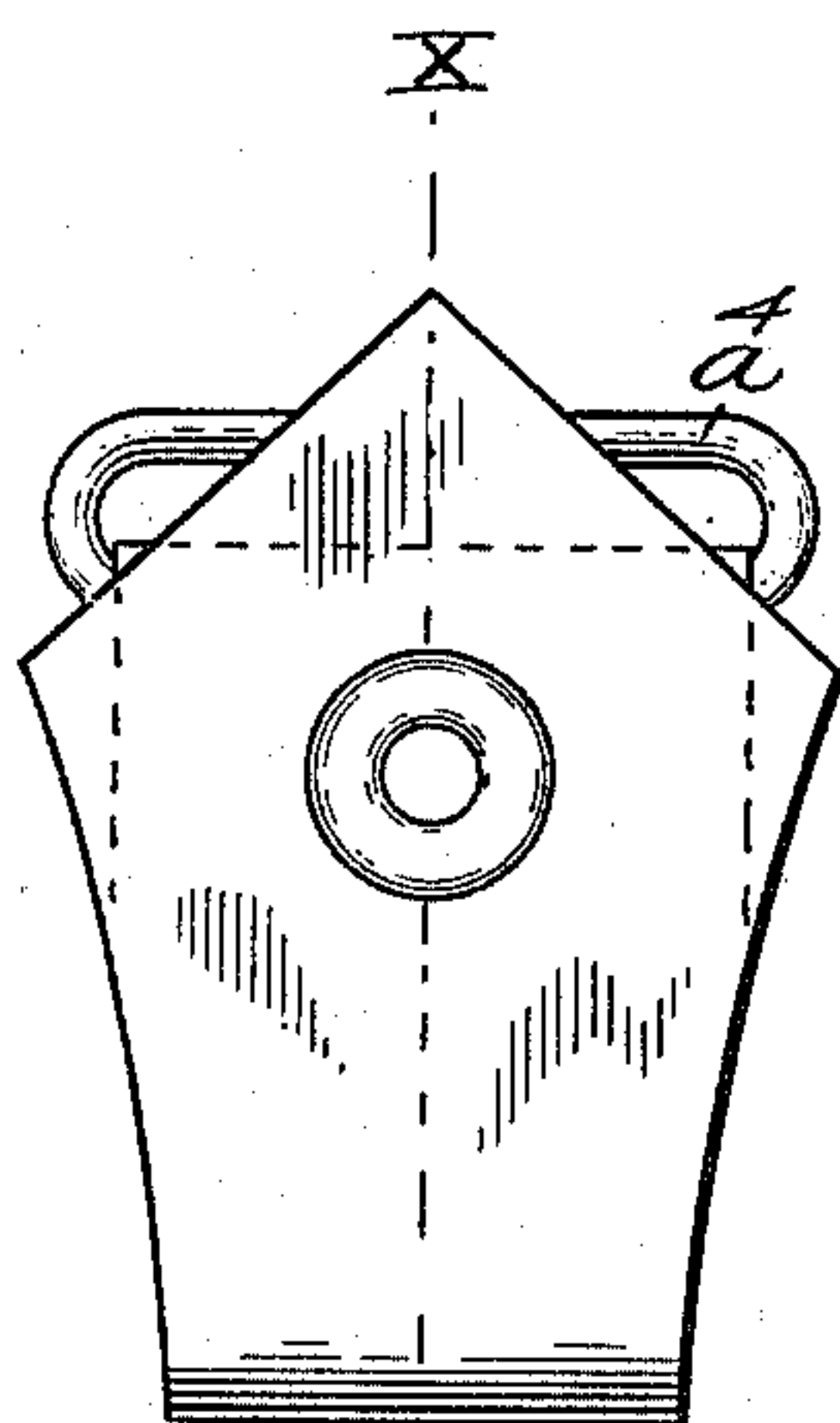


Fig. 3.

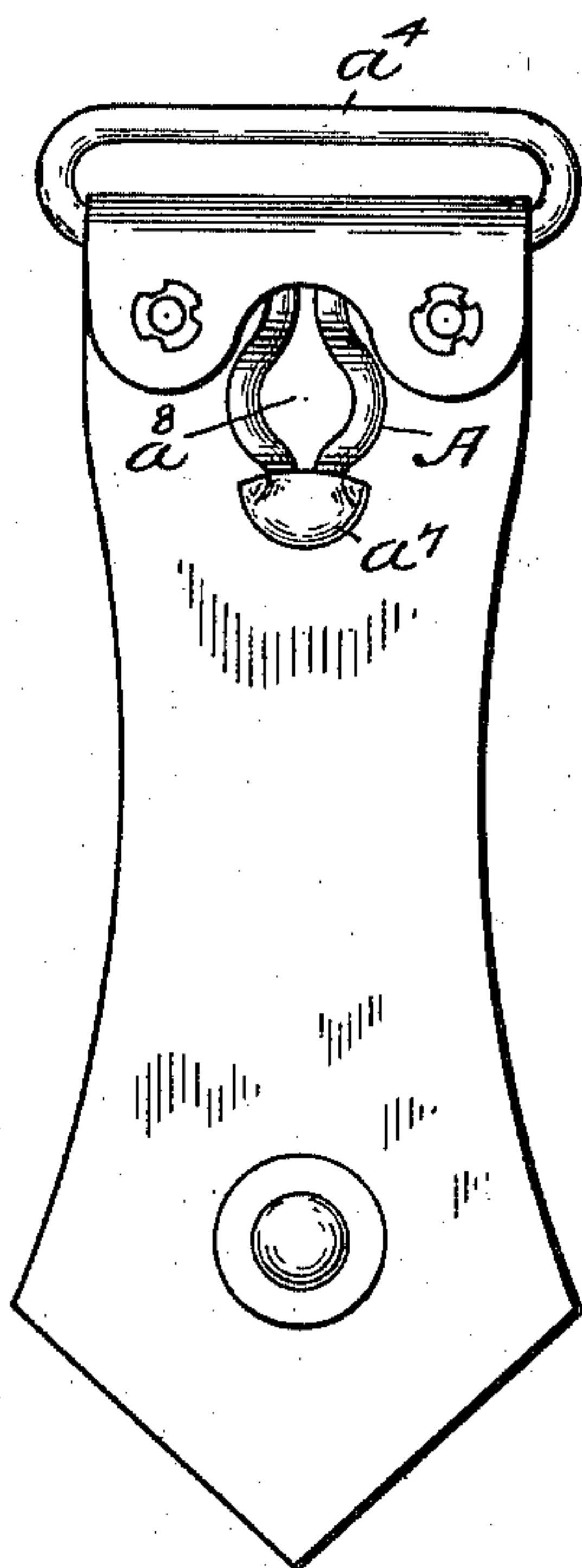


Fig. 4.

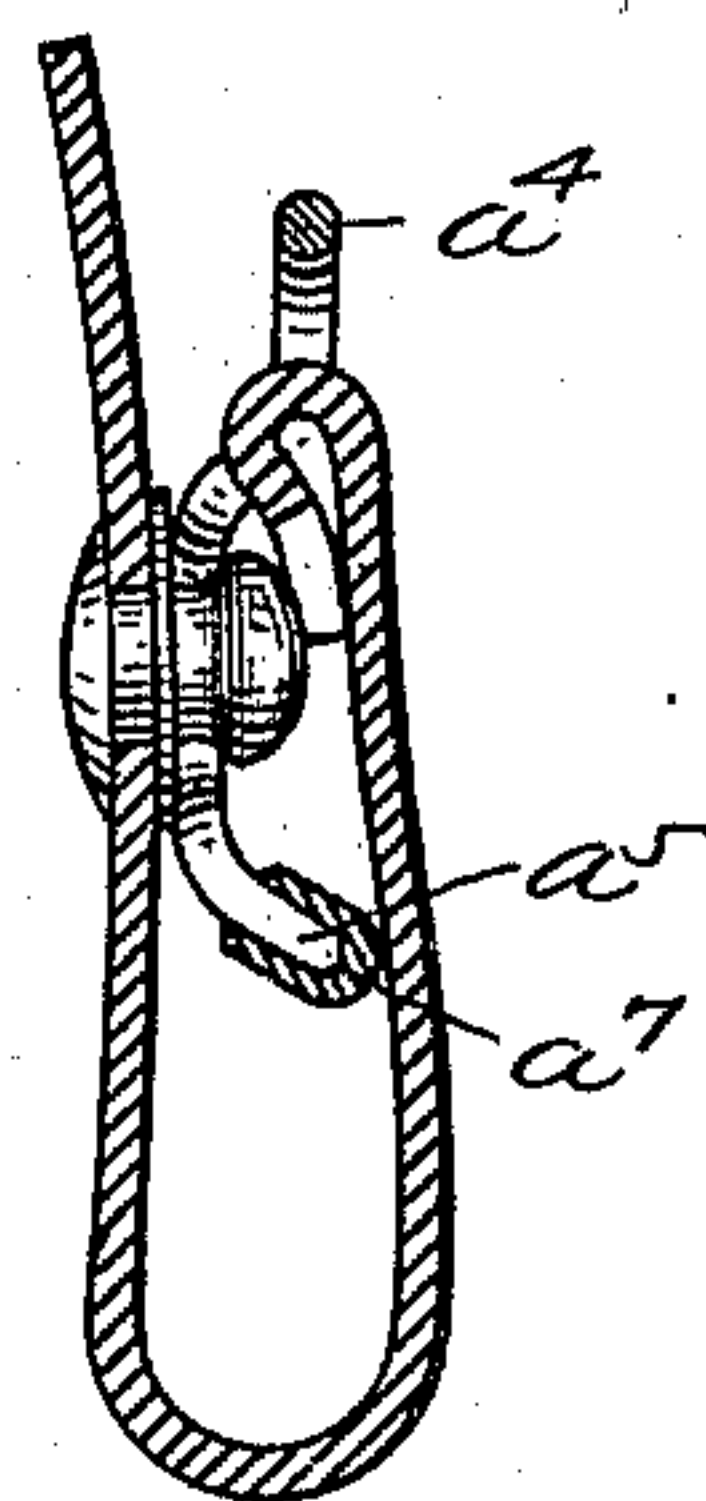


Fig. 5.

WITNESSES

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UNITED STATES PATENT OFFICE.

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FASTENER FOR GARMENTS, SUSPENDERS, &c.

SPECIFICATION forming part of Letters Patent No. 584,604, dated June 15, 1897.

Application filed August 15, 1896. Serial No. 602,920. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. RICHARDSON, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Fasteners for Garments, Suspenders, and Similar Uses, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

The invention is an improvement upon that described in my application for Letters Patent of the United States executed of even date herewith; and it relates especially to the construction of the fastener whereby the part which holds the ball instead of having its outer end integral is divided at that point and connected by an independent connection, and whereby also the said part when integral with a loop-suspender or other frame has an upper bar or section which is continuous.

In the drawings, Figure 1 represents my invention in elevation with the loop a^7 removed. Fig. 2 is a similar view showing the loop in place. Fig. 3 is a view of my invention attached to a suspender and having the ball of the suspender-end engaged with it. Fig. 4 is a view of my fastener attached to a suspender, showing also the ball of the suspender-end. Fig. 5 is a section on the line $x x$ of Fig. 3.

A represents the part of the fastener adapted to receive and hold a ball. It is made of wire, has the curved yielding sides $a a'$, and at one end the sections $a^2 a^3$, which are connected with each other by an integral section a^4 , which may constitute a bar of a metal loop or a loop-buckle or other frame. The outer ends or sections $a^5 a^6$ are not integral, but are connected by a metal binding or loop a^7 . These ends preferably are extended outward, as represented in Fig. 5, and the metal loop or binding unites them and limits the extent of their outward movement—that is, the ends are free to be moved apart from each other slightly in the loop or binding in order that the sides $a a'$ may readily open and yield while a connection is being established with the ball member. This construc-

tion permits the ends $a^5 a^6$ to be brought closely together and act as a bar against which the neck of the ball is drawn, and this bar may be reinforced by the metal loop or binding-piece a^7 . It also enables the bar a^4 to be made integral or in one piece. The sections $a^2 a^3 a^5 a^6$ may be bent at any desired angle to the sides $a a'$ for the purpose of forming legs or supports for the same to elevate the socket-entrance a^8 , or for any other purpose.

I prefer to make the fastener of one piece of wire, which is shaped or bent to form a bar or connection between the sections $a^2 a^3$ as well as the sections $a^2 a^3$, said sides $a a'$, and the ends $a^5 a^6$, the said ends being the ends of the wire length.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a fastener of the character specified, a ball-holder made of wire having the sides a, a' forming a ball-entrance a^8 , the sections a^2, a^3 connected together, the ends a^5, a^6 and a metal loop or connection a^7 connecting said ends.

2. In a fastener of the character specified, the yielding sides a, a' , the sections a^2, a^3 extending therefrom connected with each other by an integral connection, the free ends a^5, a^6 and a loop or connection a^7 in which said ends are free to be slightly moved from each other, as and for the purposes described.

3. In a fastener of the character specified, the sections a^2, a^3 connected with each other, the sides a, a' forming the socket-entrance a^8 , the ends a^5, a^6 bent outwardly and a loop or metal connection a^7 extending about said outwardly-bent ends.

4. In a fastener of the character specified, the sections a, a' shaped to form an entrance a^8 for a ball, the ends a^5, a^6 , the metal loop or connection a^7 attaching the ends together, the sections a^2, a^3 connected together by an integral extension in the form of a bar or frame substantially as described.

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Witnesses:

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