

(No Model.)

J. T. BUDD.

CLASP FOR SUSPENDERS AND OTHER ARTICLES.

No. 329,434.

Patented Nov. 3, 1885.

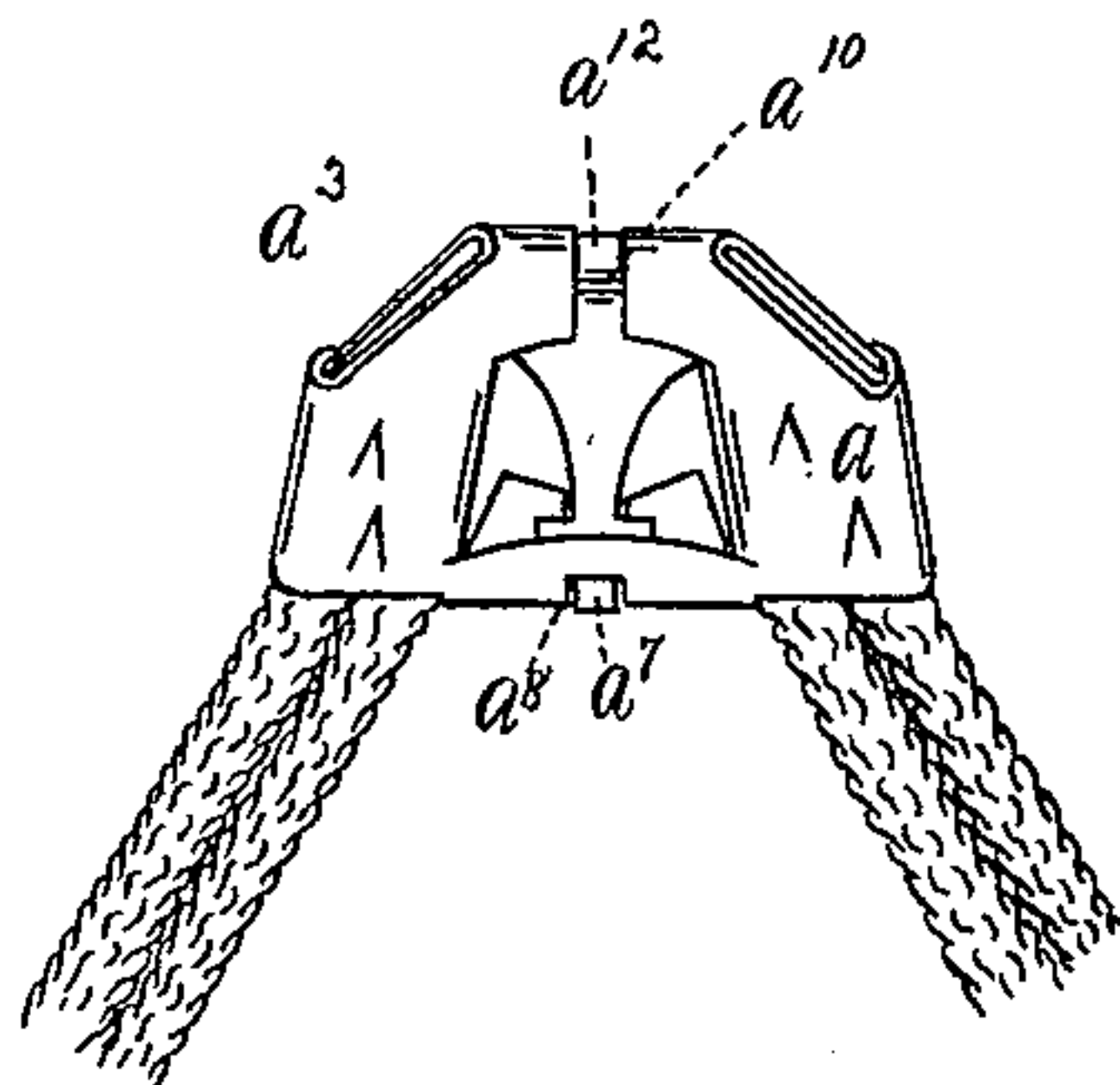
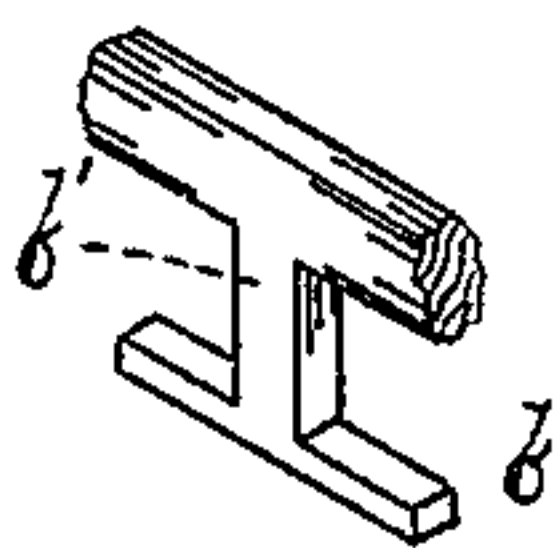
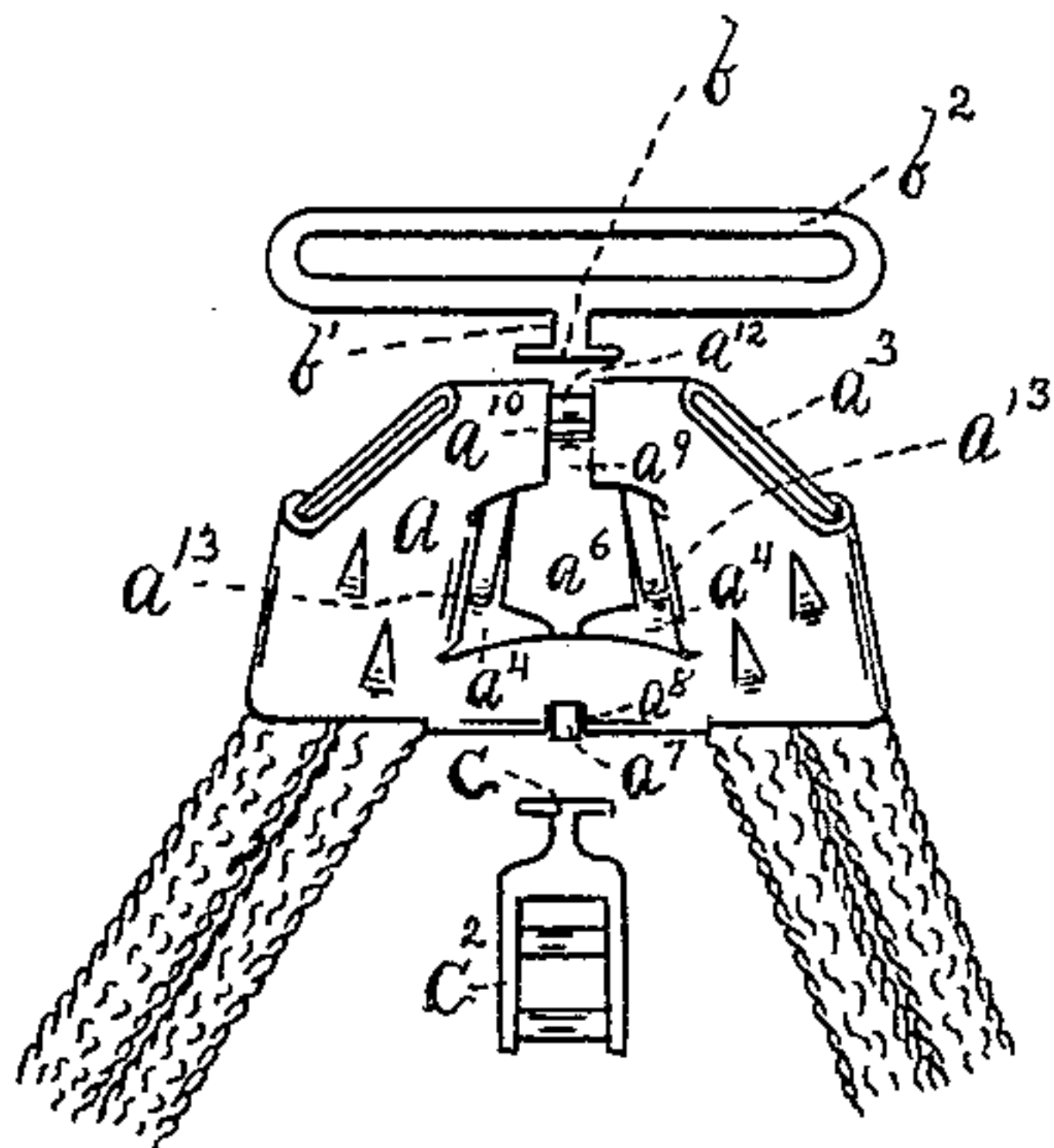


Fig. 1. Fig. 2. Fig. 3. Fig. 4.

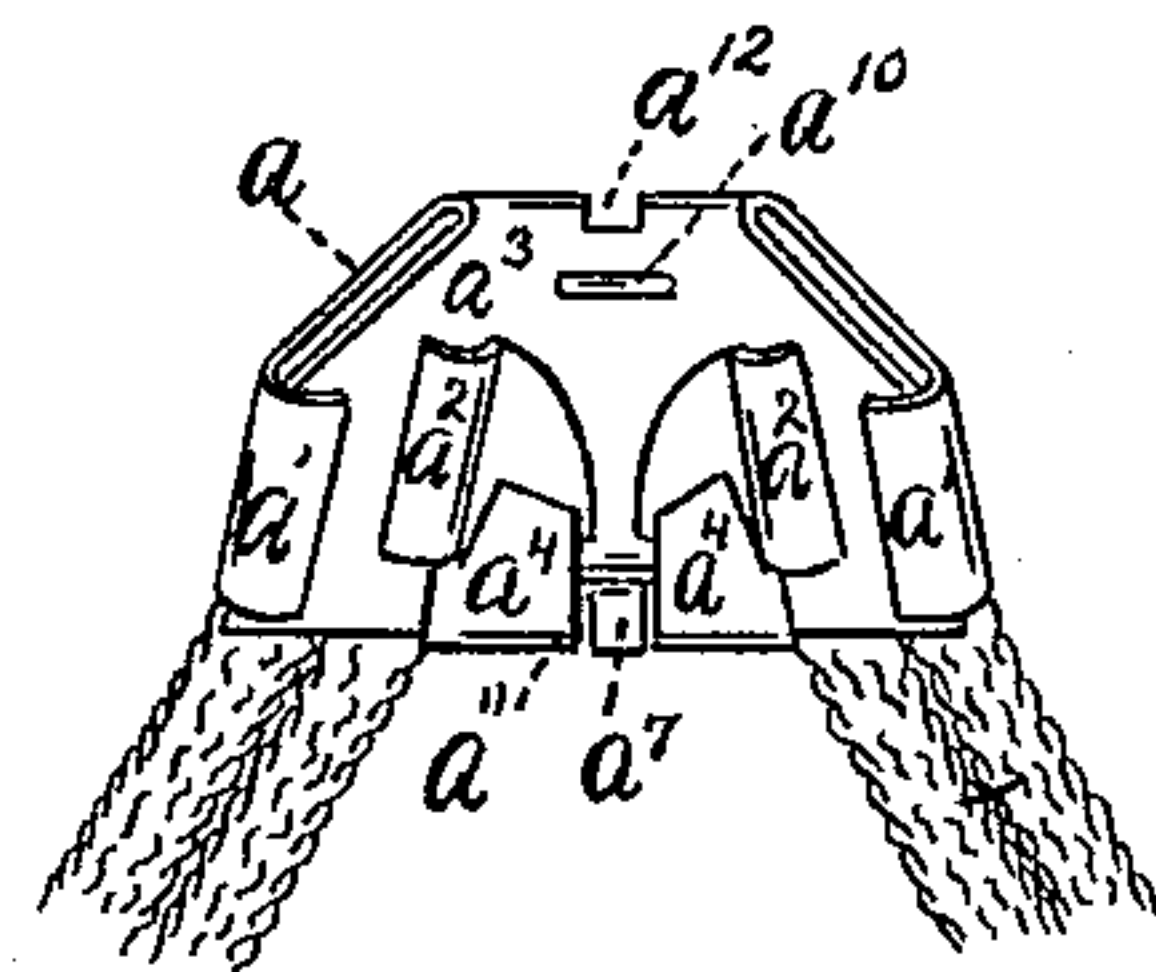
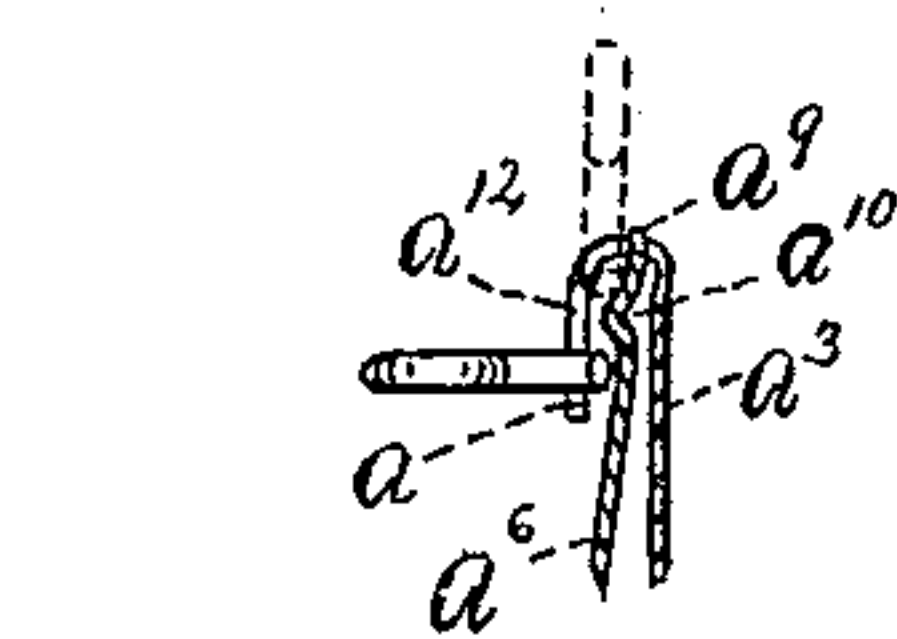
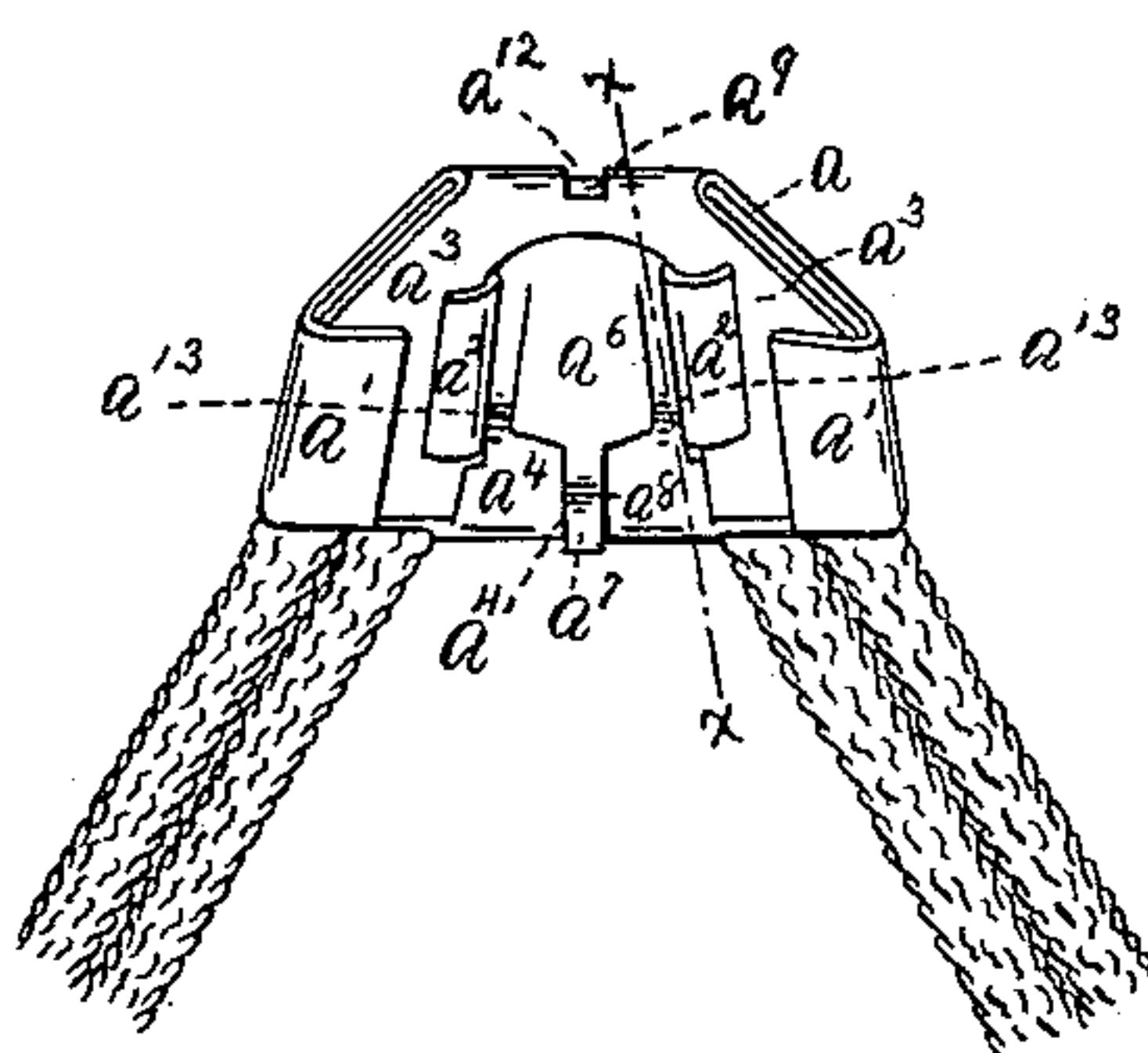


Fig. 5. Fig. 6. Fig. 7.

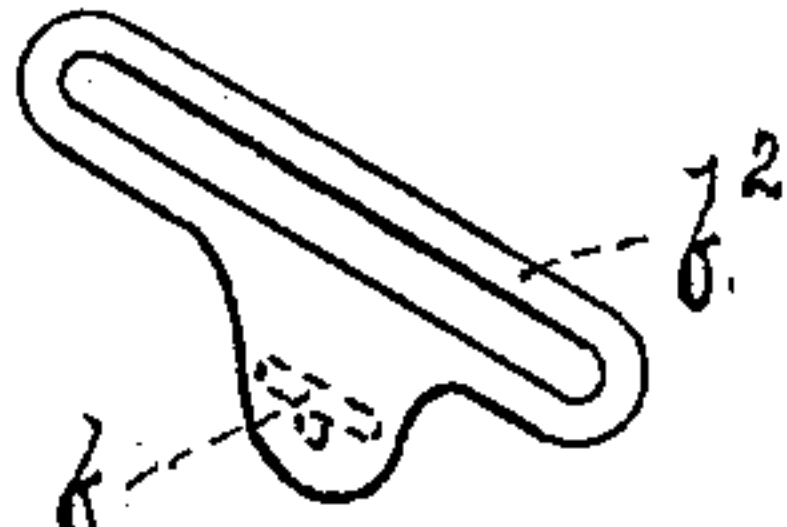


Fig. 8. Fig. 9.

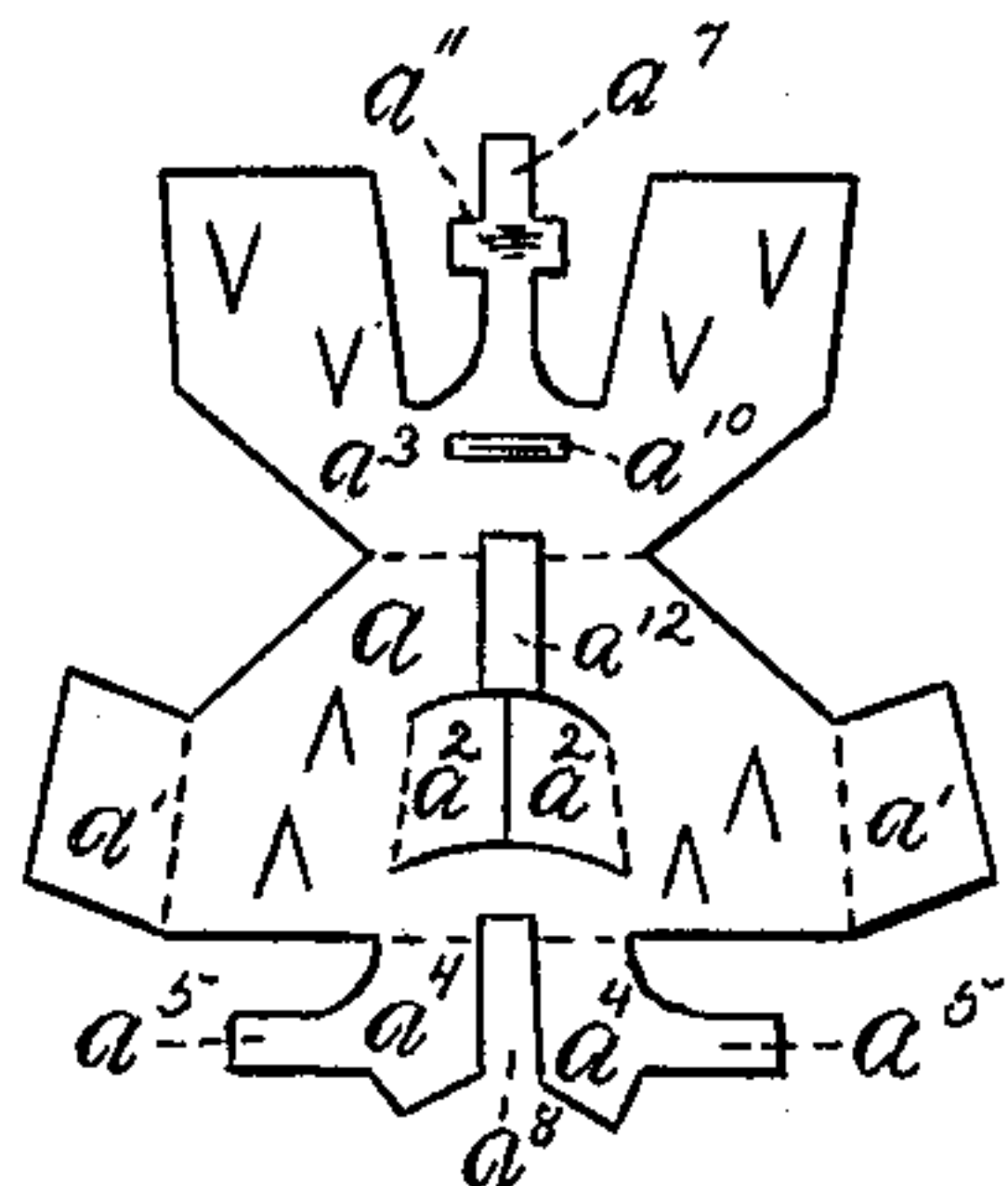
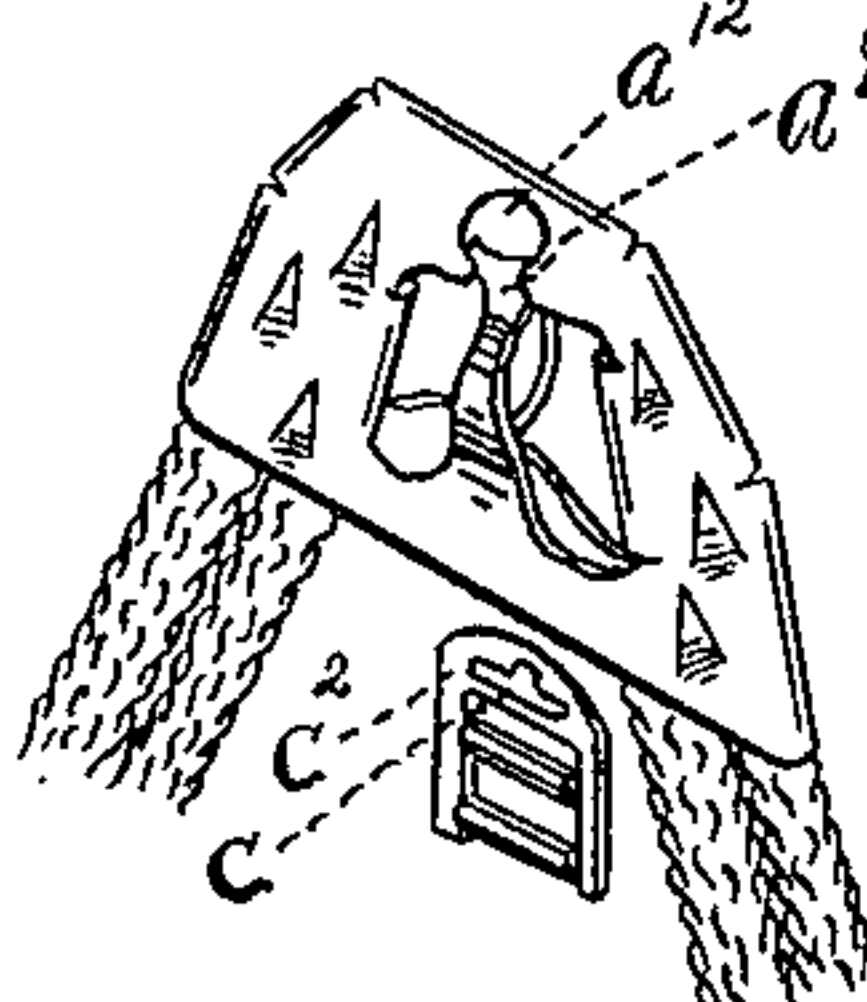
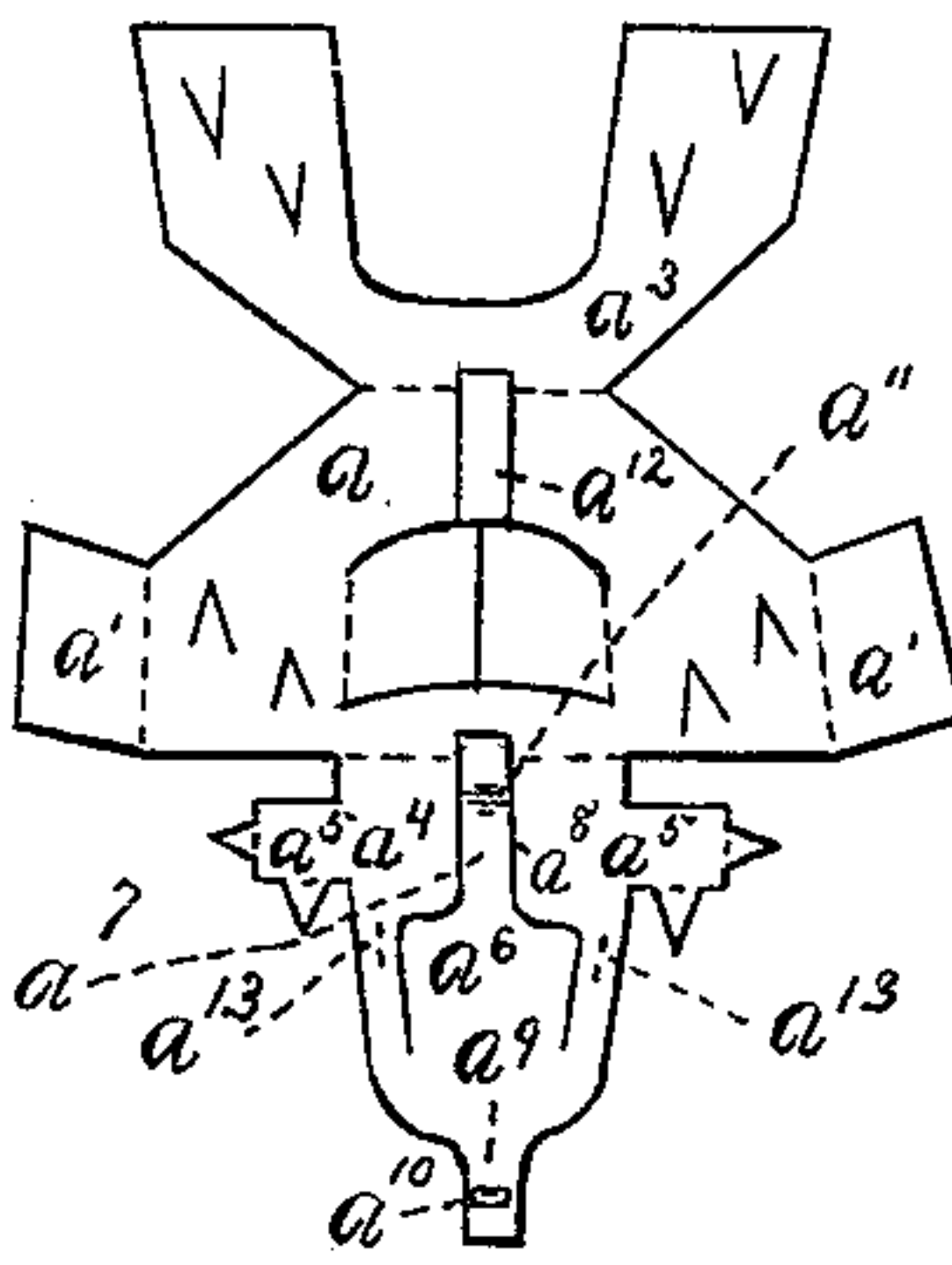
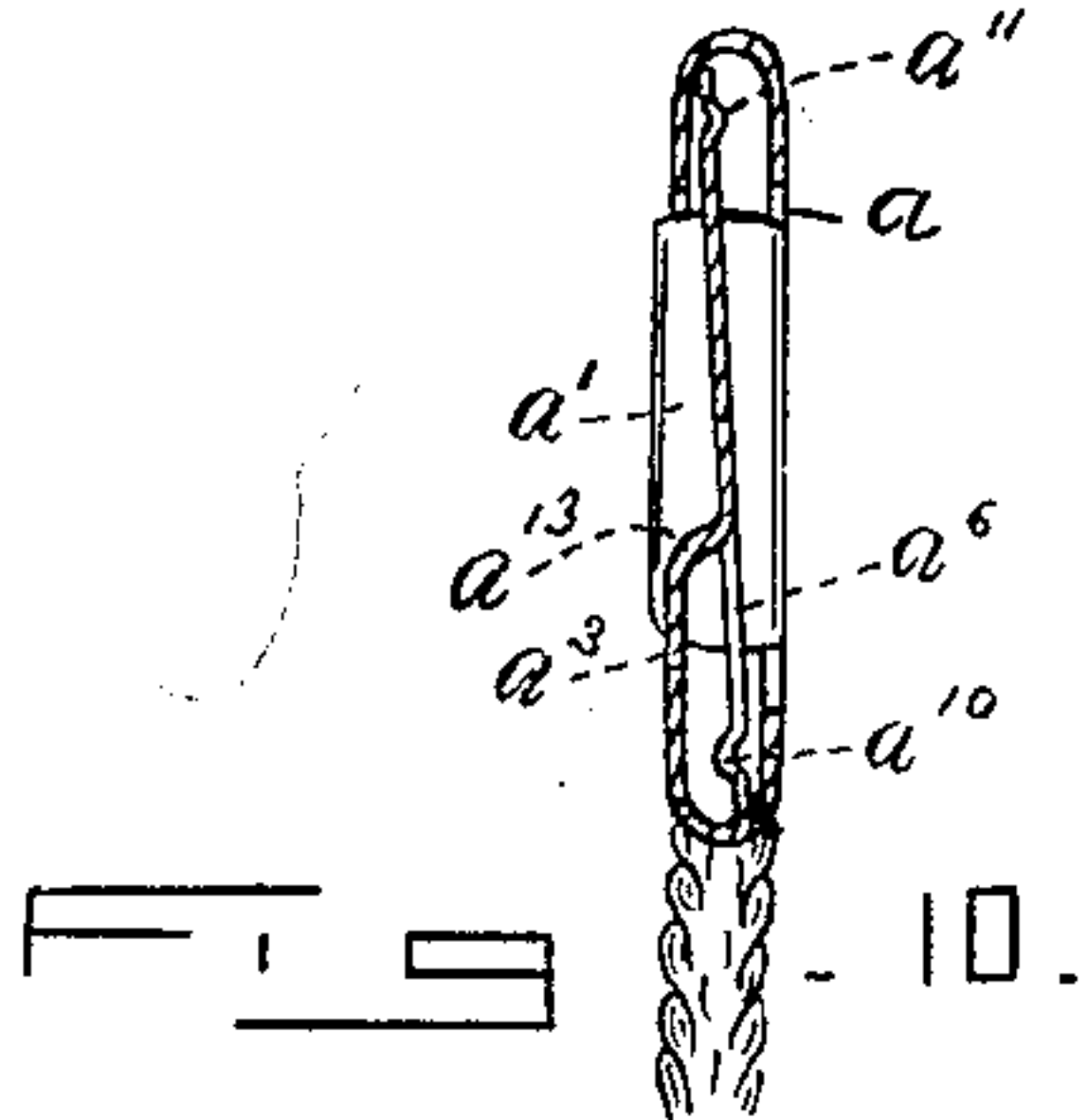


Fig. 10. Fig. 11. Fig. 12.

Witnesses:
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UNITED STATES PATENT OFFICE.

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CLASP FOR SUSPENDERS AND OTHER ARTICLES.

SPECIFICATION forming part of Letters Patent No. 329,434, dated November 3, 1885.

Application filed May 20, 1885. Serial No. 166,117. (No model.)

To all whom it may concern:

Be it known that I, J. TALMAN BUDD, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Clasps; 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 or figures of reference marked thereon, which form a part of this specification.

My invention consists of an improved clasp, single or double, being substantially the same as shown in my application filed April 6, 1884, Serial No. 161,298, in which such clasp was therein reserved as subject-matter of this application, such improved construction being substantially a frame having a slot or slots, within or under which is arranged a shoulder adapted to removably hold within such slot or slots a T-shaped hanger and prevent its accidental disengagement therefrom.

In the drawings, Figure 1 is a front view of one form of my improved clasp. Fig. 2 is a rear view of same. Fig. 3 is a blank from which the clasp shown in Figs. 1 and 2 is formed. Fig. 4 is a front view of a modified form of clasp. Fig. 5 is a rear view of same. Fig. 6 is a blank from which the clasp shown in Figs. 4 and 5 is formed. Fig. 7 is a perspective view of another modification. Fig. 8 is an enlarged perspective view of the hanger. Fig. 9 illustrates the method of engaging the hanger with the clasp, and Fig. 10 is a cross-section taken in the line $x x$ of Fig. 2.

Referring to the drawings, the clasp shown in Figs. 1, 2, and 3 is constructed as follows: The blank is cut as in Fig. 3, in which a is the frame, having the exterior wings, a' a' , and interior wings, a'' a'' . a^3 forms the back of the frame. The portion a^4 has the pointed side wings, a^5 a^5 . From the portion a^4 the part a^6 , with its narrow elongated end a^7 , is cut, and is bent away from the blank to form the slot a^8 . At the lower end of the blank is the narrow strip a^9 . Upon the parts a^7 and a^9 are formed the transverse shoulders a^{10} and a^{11} , and a^{12} is a narrow slot formed in the cutting of the blank.

In forming the clasp from the blank just described the portion a^4 is bent up against the rear face of the part a , the pointed wings a^5 a^5 resting on and engaging with the flexible material to which the frame of the clasp is arranged to be attached. The portion a^3 is then bent down over the wings a^5 a^5 , a space being left at the bend, as clearly shown in Fig. 9. The exterior wings, a' a' , and interior wings, a'' a'' , are bent over the portion a^3 , as shown in Fig. 2, holding the different parts securely in position. The bends a^{13} a^{13} are formed in the portion a^4 , thus providing a space between the shouldered spring-strip a^7 a^{11} and the portion a^4 , through which the hanger may be admitted to the slot a^8 . The shouldered spring-strip a^9 a^{10} rests under the slot a^{12} and between the portions a and a^3 .

The T-shaped hanger, as shown in Figs. 1 and 8, consists of the bar b , which is thicker in horizontal than in vertical section, as clearly shown in Fig. 8, and the shank b' , which connects it with the means of attachment to the end of a flexible strap, such means being in this instance an elongated loop, b^2 .

c , Fig. 1, is another form of hanger adapted for engagement with the lower clasp.

In inserting the T-shaped hanger within the slot it is placed at right angles to the face of the clasp, as shown in Fig. 9, thus presenting the narrow edge of the bar b at the entrance of the slot a^{12} . The hanger in such position is pushed past the shoulder a^{10} into the bend between the portions a and a^3 . It is then swung into the plane of the clasp-frame, thus preventing its accidental disengagement, as the broad face of the bar b cannot pass the shoulder a^{10} when in such position.

To detach the hanger the operation thus described is simply reversed.

The hanger c is adapted for engagement with the lower clasp in a similar manner.

In Figs. 4, 5, and 6 is shown a modified form of clasp, in which the shoulder a^{10} is formed upon the portion a^3 of the frame, instead of upon the spring-strip a^9 , as in Figs. 1 and 2.

In the modification shown in Fig. 7 the end of the spring-strip a^9 forms the shoulder to prevent the accidental disengagement of the hangers b and c , which in this instance are located on the side of the loop-frames b^2 and c^2 .

I have shown my improved clasp and its modifications as adapted especially for use with suspenders; but it is apparent that it could be applied equally well in harness or other analogous device.

I claim—

1. In a clasp for suspenders, &c., a frame having a slot or slots within or under which is provided a shoulder, in combination with a T-shaped hanger adapted to co-operate with such slotted frame, substantially as set forth.

2. A clasp consisting of the spring-strip a^9 , having the shoulder a^{10} and the slot a^{12} , within or under which the spring-strip a^9 is located, the whole arranged upon a suitable frame and adapted for the reception of a T-shaped hanger, substantially as shown and described.

3. A double clasp consisting of the spring-strip a^9 , having the shoulder a^{10} and the slot

a^{12} , forming the upper clasp, and the spring-strip a^7 , having the shoulder a^{11} and the slot a^8 , forming the lower clasp, the whole arranged upon a suitable frame, all the parts, with the frame, being integral, substantially as shown and described.

4. The combination, with a clasp consisting, substantially, of a frame having a slot within or under which is arranged a shoulder, of a T-shaped hanger having its cross-bar thicker in horizontal than in vertical section, substantially as and for the purpose stated.

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

J. TALMAN BUDD.

Witnesses:

W. T. MILLER,

J. H. MARLING.