

C. C. BALL.
 POST FOR LINK BUTTONS.
 APPLICATION FILED APR. 5, 1909.

944,251.

Patented Dec. 28, 1909.

Fig: 1.

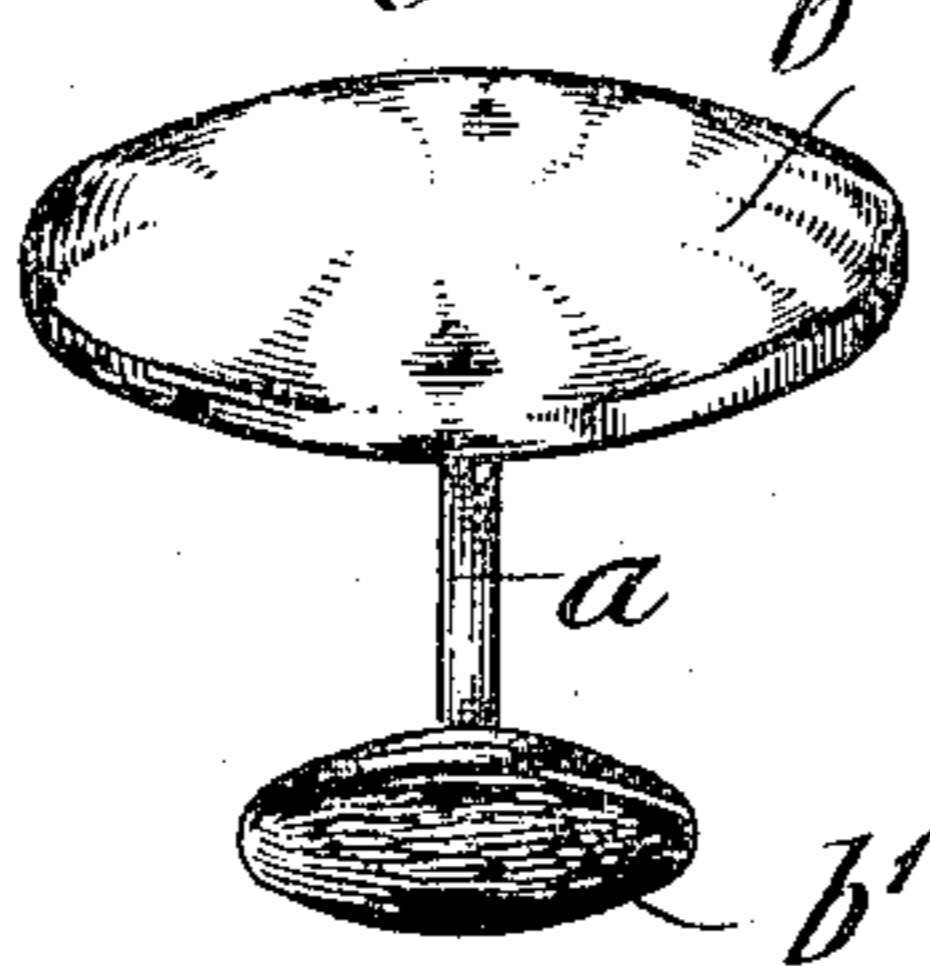


Fig: 2.

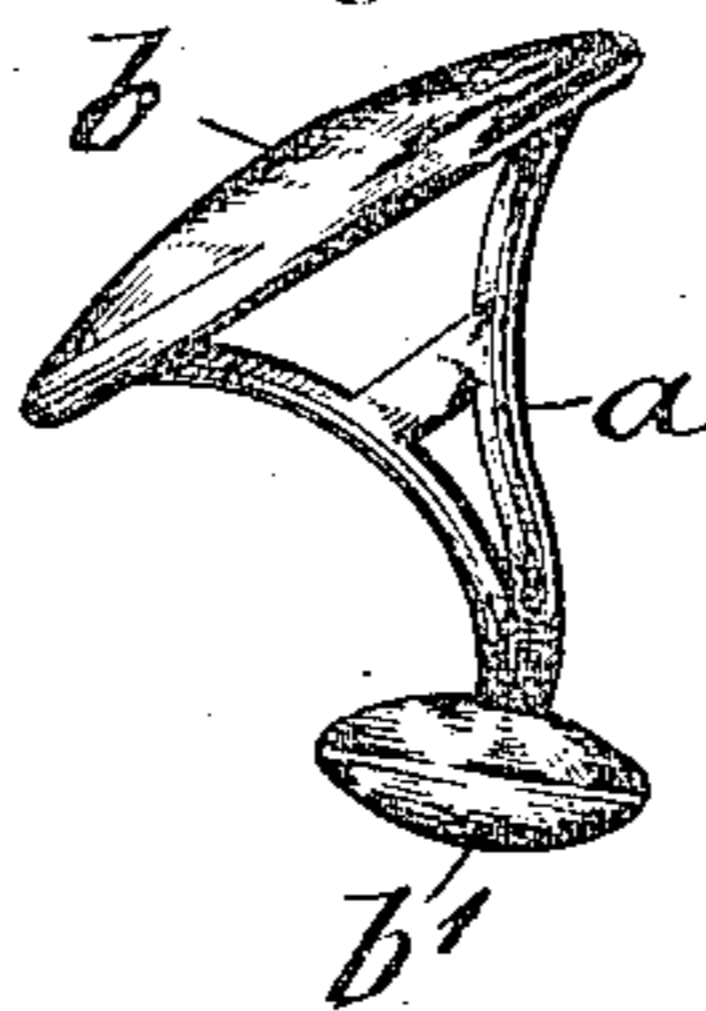


Fig: 3.

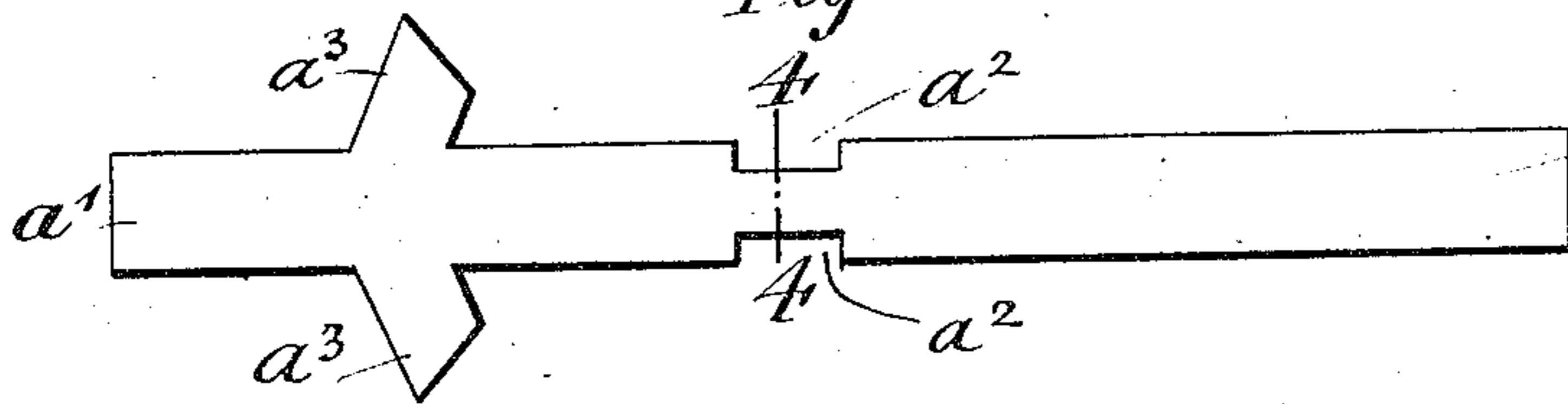


Fig: 4.



Fig: 5.

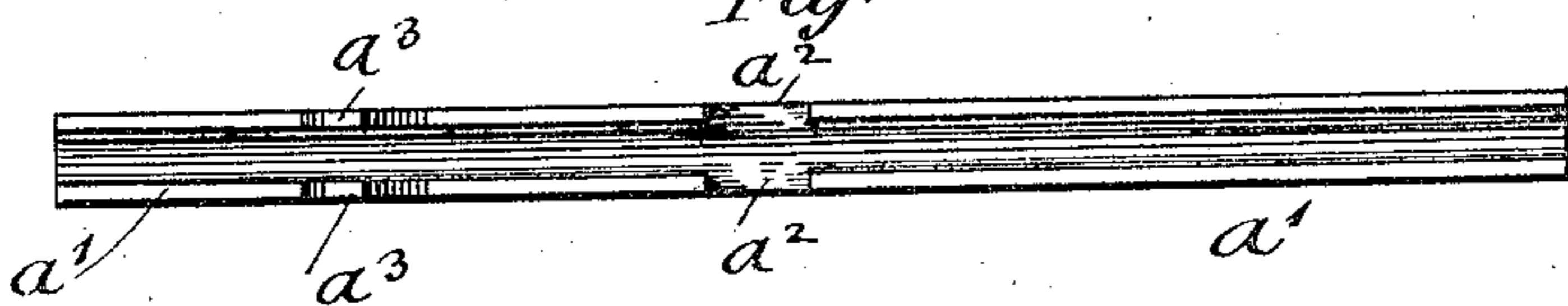


Fig: 6.

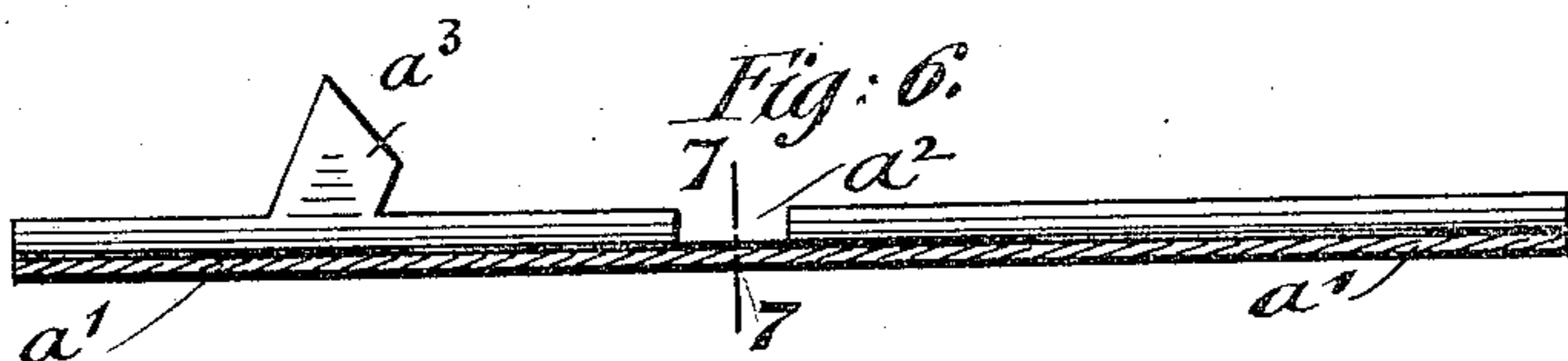


Fig: 7.

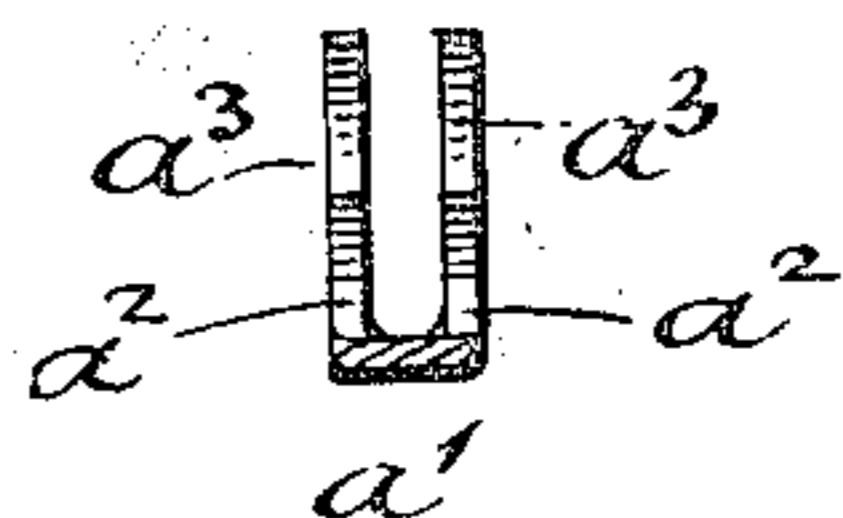


Fig: 8.

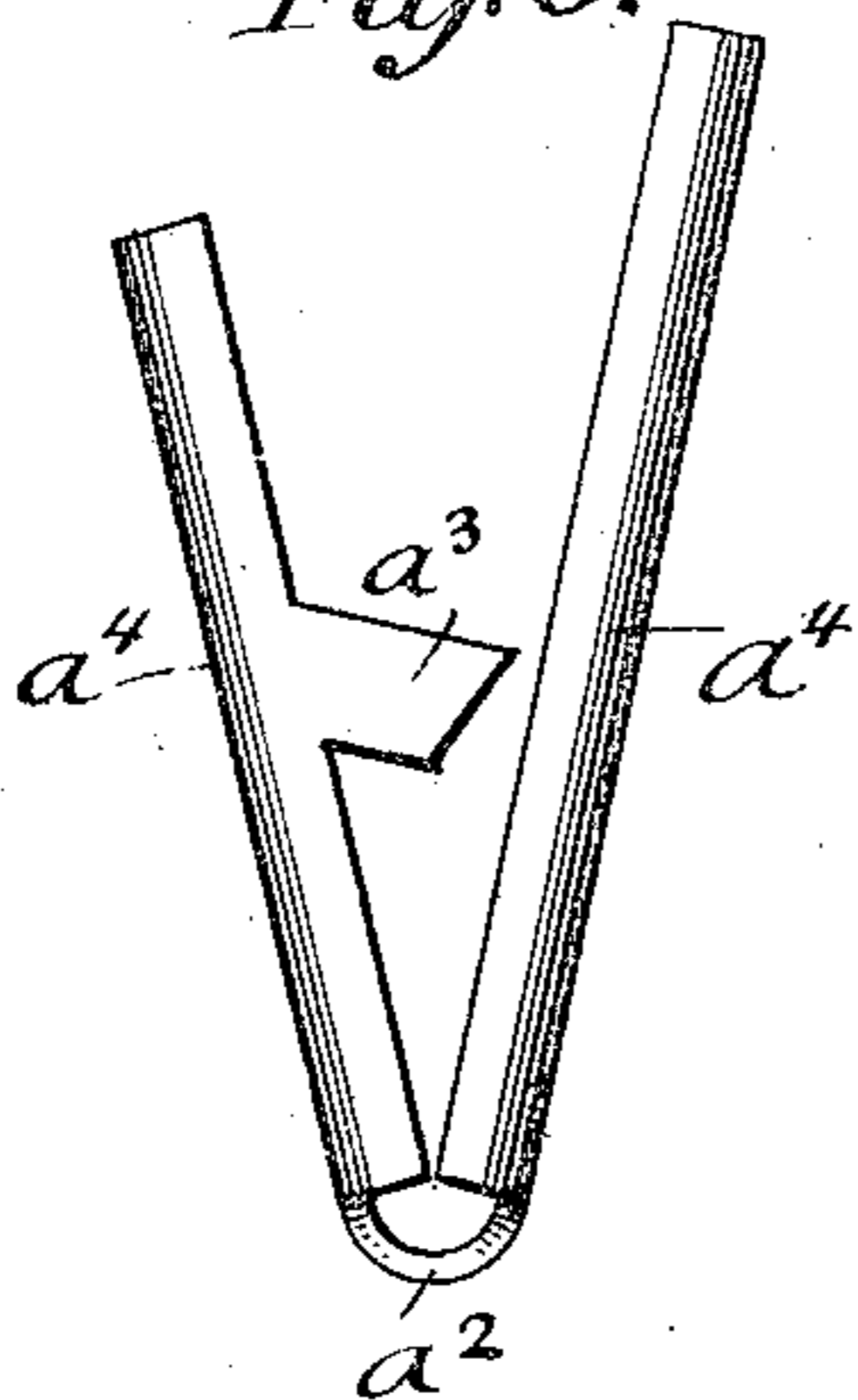
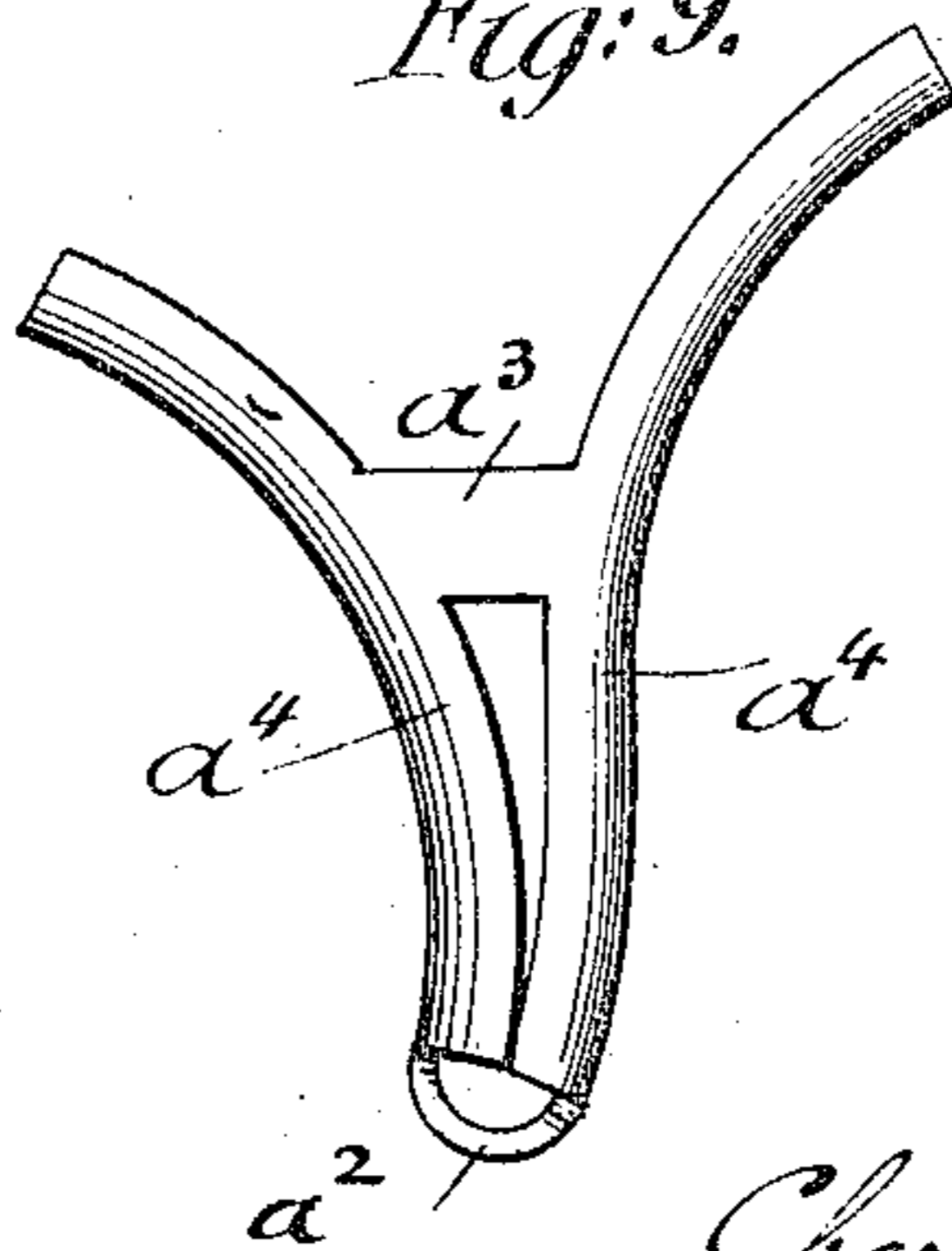


Fig: 9.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES C. BALL, OF NEWARK, NEW JERSEY, ASSIGNOR TO SHIMAN-MILLER MFG. CO.,
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POST FOR LINK-BUTTONS.

944,251.

Specification of Letters Patent.

Patented Dec. 28, 1909.

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To all whom it may concern:

Be it known that I, CHARLES C. BALL, a citizen of the United States of America, residing in Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Posts for Link-Buttons, of which the following is a specification.

This invention relates to an improved post for link-buttons which is made from sheet-metal of suitable thickness by the successive action of dies, whereby the cost of manufacture is considerably decreased, without impairing the strength of the post.

The invention consists of a post for link-buttons which is bent up from a longitudinal blank of sheet-metal provided with inclined arms which form the braces between the legs of the V-shaped post, and which are integral with one leg of the post and attached to the other leg, the legs and braces being bent up from the blank, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a front-view of a link-button with my improved post, Fig. 2 is a side-view of the same, Fig. 3 is a top-view of the blank of sheet-metal from which the post is to be made, Fig. 4 is a vertical transverse section on line 4, 4, Fig. 5 is a top-view of the blank after the same is bent into U or channel-shape, Fig. 6 is a detail side-view of Fig. 5, Fig. 7 is a vertical transverse section on line 7, 7, Fig. 8 is a side-view of the post bent into V-shape from the channeled blank shown in Figs. 6 and 7, and Fig. 9 is a side-view of the finished post ready for applying the buttons.

Similar letters of reference indicate corresponding parts throughout the different figures.

Referring to the drawings, a represents my improved post for link-buttons. The post a has the general shape and appearance of the well-known solid posts heretofore in use, but differs from them by being hollow that is to say by being bent up from a blank a^1 , which is made of a flat longitudinal strip of sheet-metal and provided about midway with short recesses a^2 at opposite sides and near one end with inclined arms a^3 , which form the brace for the legs of the post when the blank is bent up into proper shape.

The blank a^1 is cut from sheet-metal of

suitable thickness by suitable punching dies and then bent up by shaping dies into U-shaped cross-section, as shown in Figs. 5, 6 and 7. The U-shaped or channeled blank is next bent up into V-shape, as shown in Fig. 8, so as to form legs a^4 , extending upwardly from the recessed portion a^2 , after which the arms a^3 are soldered onto the inner edges of the longer leg a^4 . The final curved shape is then given to the legs a^4 by suitable dies, as shown in Fig. 9. The U-shaped cross-section of the converging legs of the post imparts considerable strength to the post which is equal if not stronger than a solid post. The ends of the curved legs of the post are soldered to the under-side of the larger button b , abutting against the under-side of the rim of the same, while the apex of the post is soldered to the center of the smaller button b^1 , the arms a^3 acting as braces for connecting the legs and impart the required strength to the same, so that the required resistance to the strain to which the link-button is exposed is imparted thereto.

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

1. A post for link-buttons, made of V-shape of two bent-up legs of U-shaped cross-section, united at the apex, and by braces approximately at the middle-portion of the legs, said braces being bent up from one leg and attached to the inner edges of the other leg.

2. A blank for the posts of link-buttons consisting of a longitudinal strip of sheet-metal, recesses approximately at the middle-portion of the same, and inclined arms at opposite sides near one end of the same.

3. A V-shaped post for link-buttons made of a single piece of sheet-metal of suitable thickness comprising two longitudinally curved bent up legs of U-shaped cross-section, a narrow connecting strip holding the inner ends of said legs together and formed by recesses cut in said pieces of sheet-metal, and laterally extending arms formed integral with one of said legs and rigidly secured to the other leg.

4. A link-button comprising a V-shaped post having bent up legs of U-shaped cross-section held together at their inner ends by a narrow-connecting strip integral with both of the legs, the intermediate part of said legs

being held together by a pair of laterally
extending spaced legs integral with one of
said legs and soldered to the other, a small
button soldered to said inner ends and said
5 connecting strip, and a larger button to the
diametrically opposite side of the rim of
which the outer ends of said legs are secured.

In testimony, that I claim the foregoing
as my invention, I have signed my name in
presence of two subscribing witnesses.

CHARLES C. BALL.

Witnesses:

PAUL GOEPEL,
H. J. SUHRBIER.