

No. 672,277.

Patented Apr. 16, 1901.

J. L. MAULL.
PNEUMATIC TOY.

(No Model.)

(Application filed June 14, 1900.)

2 Sheets—Sheet 1.

Fig. 1



Fig. 2.

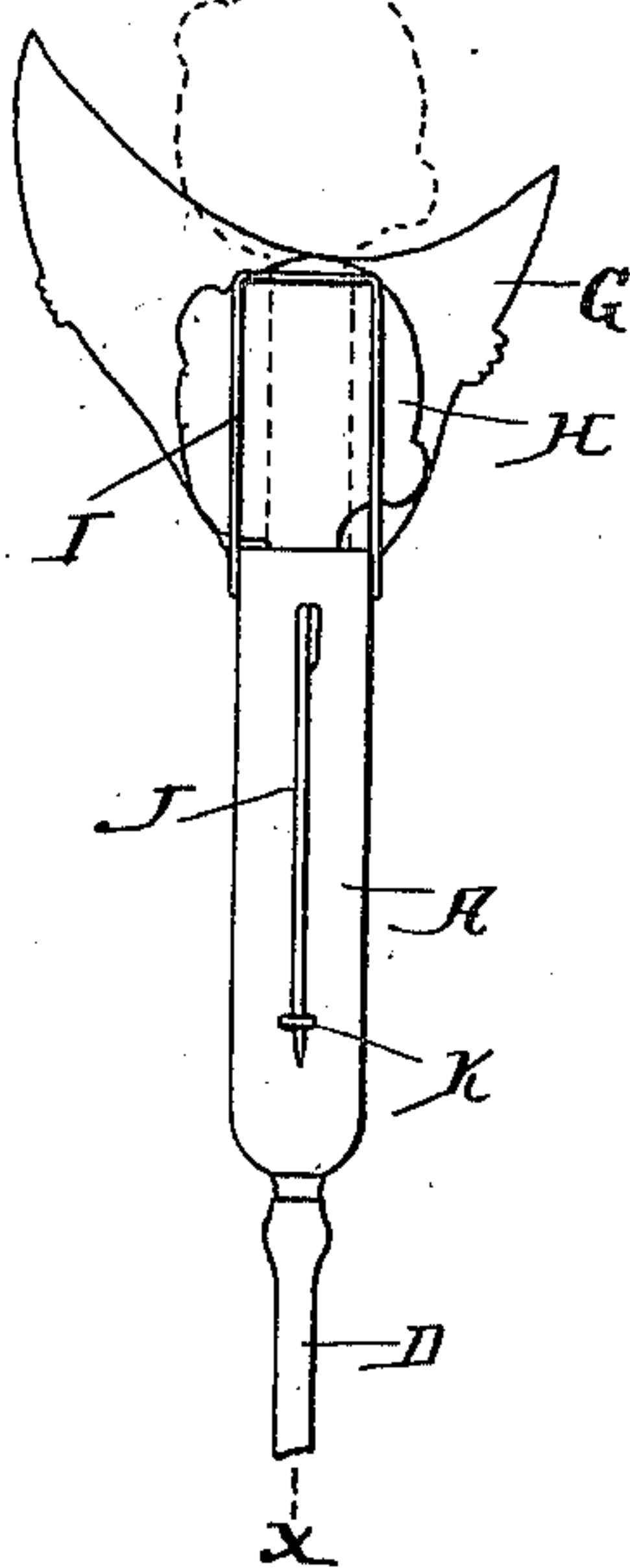
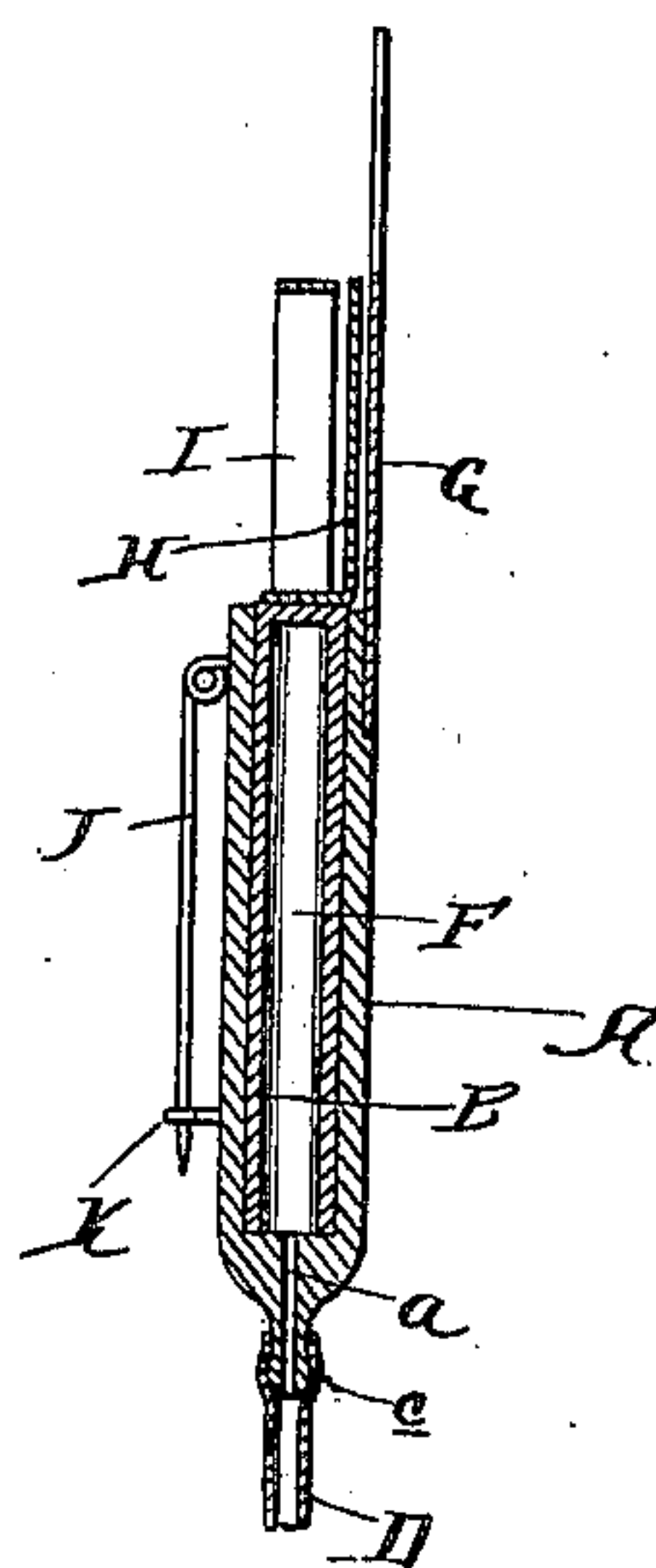


Fig. 3.



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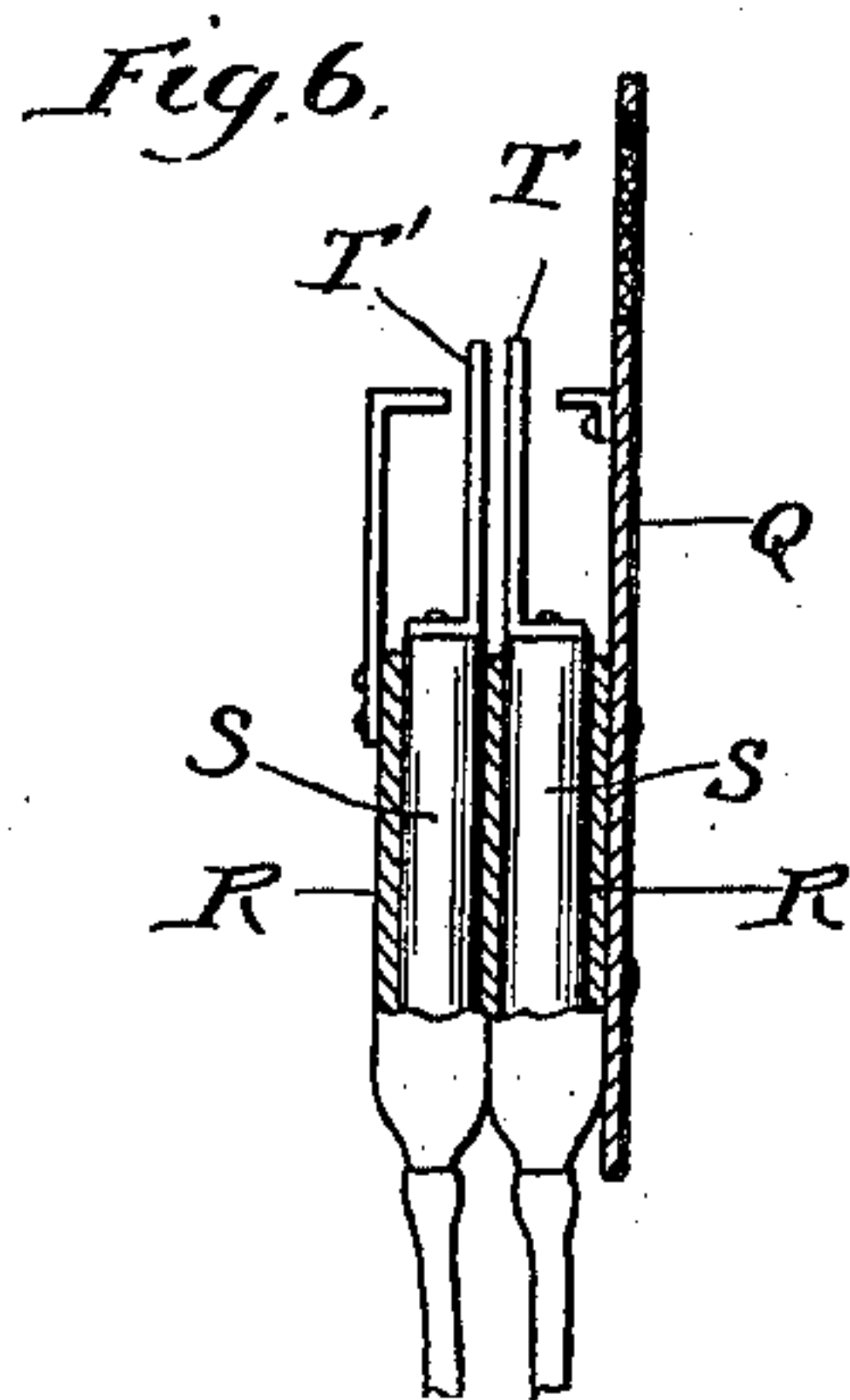
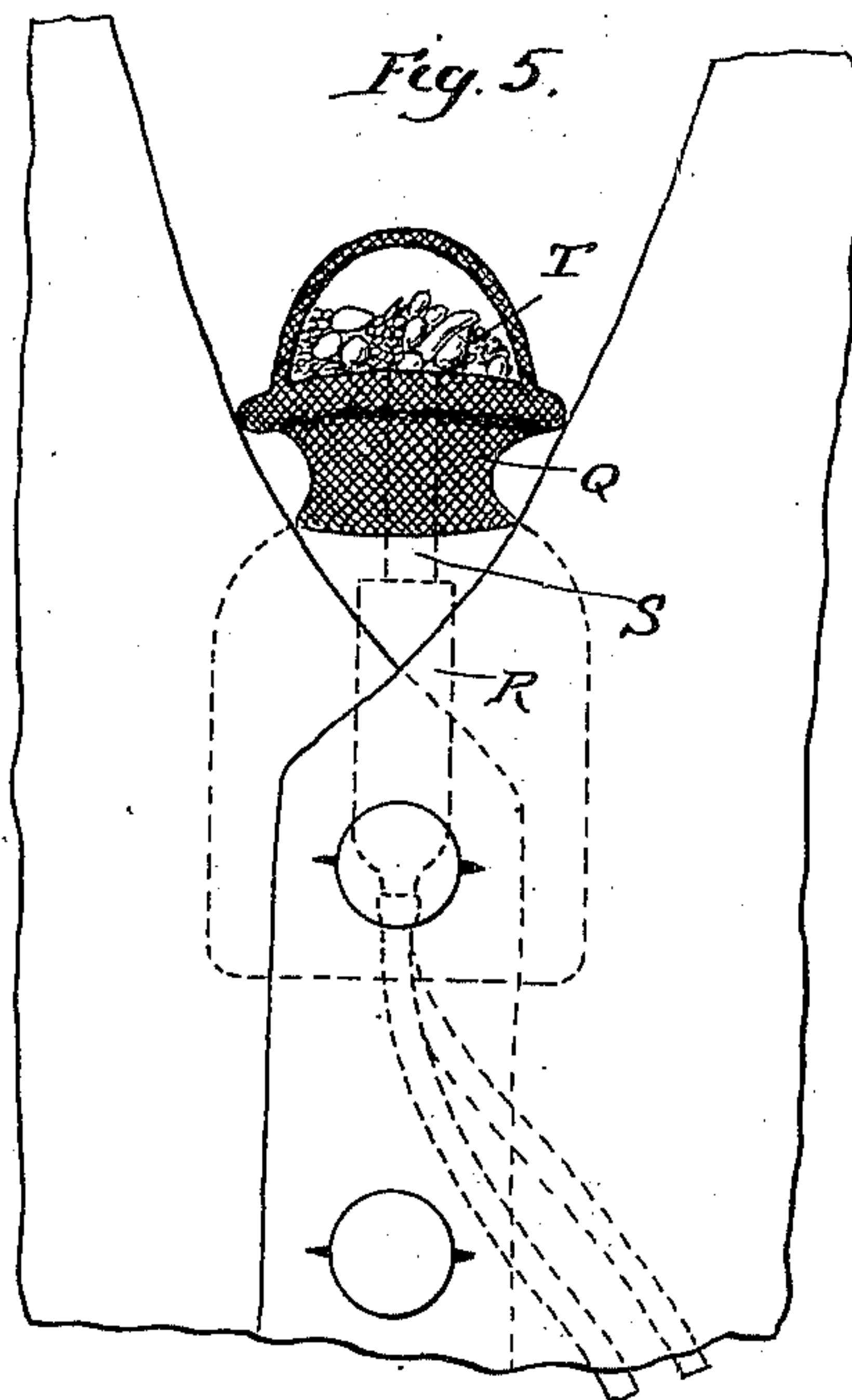
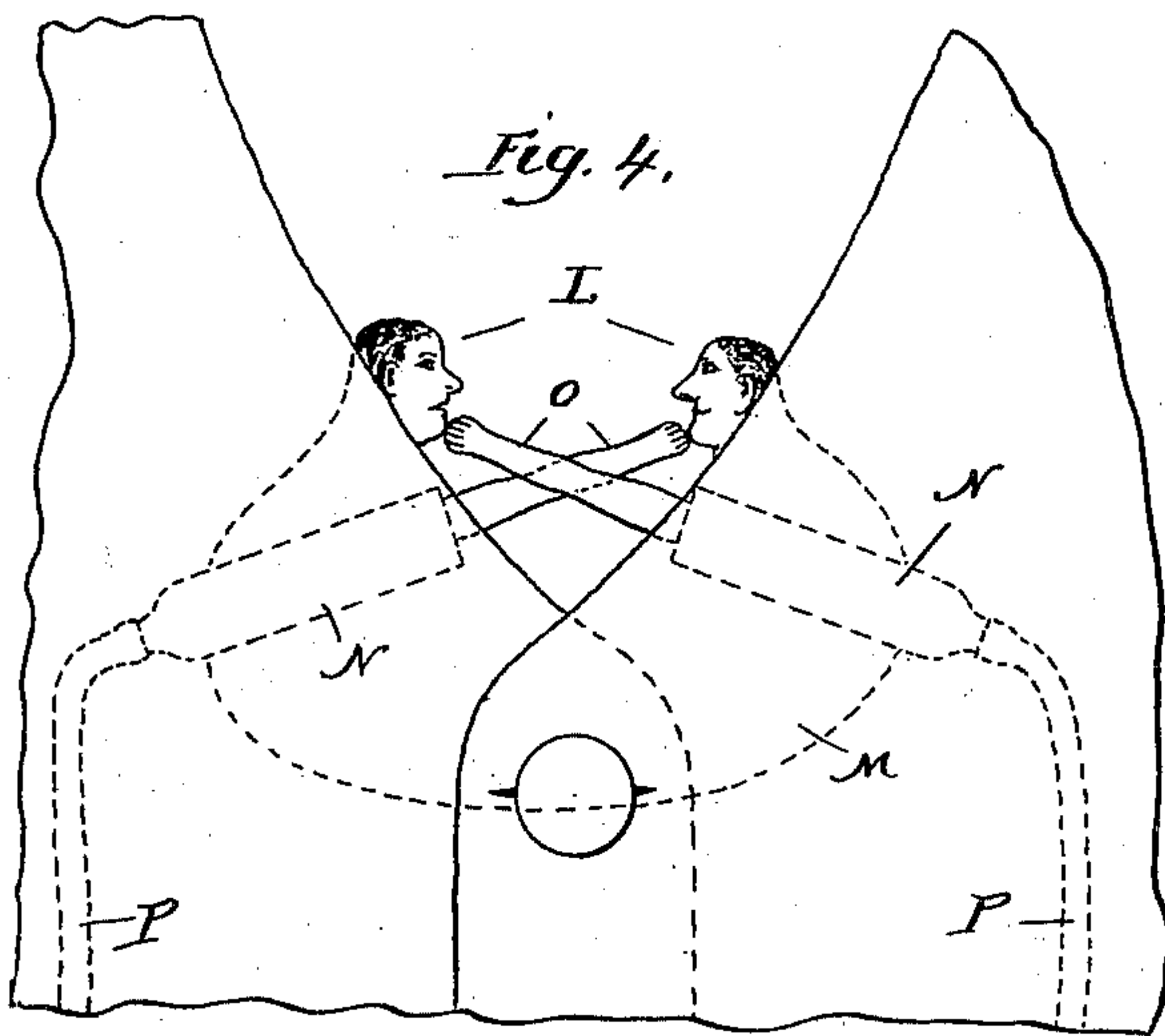
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Witnesses

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UNITED STATES PATENT OFFICE.

JAMES L. MAULL, OF WEST WHITELAND, PENNSYLVANIA.

PNEUMATIC TOY.

SPECIFICATION forming part of Letters Patent No. 672,277, dated April 16, 1901.

Application filed June 14, 1900. Serial No. 20,295. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. MAULL, a citizen of the United States, residing at West Whiteland, county of Chester, and State of Pennsylvania, have invented a certain new and amusing Pneumatic Toy, of which the following is a specification.

My invention relates to a new and amusing toy, and has for its object to provide a toy which can be fastened to the garment of the wearer and be operated by a tube and bulb upon pressure of this bulb, which is to be concealed underneath the garment, and in which a figure or other object, here represented as a negro's head, is made to appear above and disappear behind some stationary object, here illustrated as a slice of watermelon, for the purpose of surprising and amusing onlookers.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claim.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is an elevation of the toy, showing the position it takes when the bulb is compressed. Fig. 2 is a rear view showing the position when the bulb is normal. Fig. 3 is a section on the line *xx* of Fig. 2; Fig. 4, a view showing a portion of a coat as in position upon a person and illustrating an adaptation of my toy in which two figures are used and which may be so manipulated as to give a realistic imitation of prize-fighting; Fig. 5, a similar view showing my toy adapted to the representation of a basket, in which the representation of fruit or other articles may be made to appear and disappear; and Fig. 6, a section of the same, showing the two air-chambers for the manipulation of two designs.

In carrying out my invention as embodied in Figs. 1, 2, and 3 I provide a body A, having a chamber B located therein. Through the lower inclosed end of the body A is a passage *a*, which passes through the nipple C.

Upon this nipple C is secured the rubber tube D, and to the opposite end of this tube is secured the bulb E, thereby providing means for forcing air within the chamber B.

F is a piston adapted to fit closely within the chamber B and adapted to be pushed upward under air-pressure when the bulb is compressed and to be retracted when the bulb E is released.

Secured upon the body A and extending above the same is a flat piece G, upon the front side of which is painted any desired object. (Here shown as a representation of a slice of watermelon.) Upon the upper end of the piston F is secured the flat piece H, upon which is painted any suitable object, (here represented as the head of a negro,) and this piece H when in its lowest position, as shown in dotted in lines in Fig. 1 and full lines in Figs. 2 and 3, is adapted to be entirely hid behind the piece G; but when air-pressure is applied underneath the piston F said piston, and consequently the piece H, is forced upward into view above the piece G. An inverted-U-shaped piece I, having its two ends secured to each side of the body A, extends upward therefrom and forms a stop for limiting the upward motion of the piston. A pin J is secured upon the rear of the body A and is adapted to secure the toy upon the garment and be held in place by the latch K.

In operation my invention is adapted to be secured by the pin J to the coat or vest of the wearer, and the tube D passes down underneath the coat or vest, and the bulb E may be located within the pocket or other suitable place, so that the tube and bulb are entirely concealed, and by examination of the toy by any curious person or persons the bulb may be secretly pressed, thereby forcing the head upward into view, which will cause considerable amusement and surprise.

The adaptation of my toy, as shown in Fig. 4, consists in the arrangement of two heads L, connected together upon a suitable frame M, (shown in dotted lines,) and the proper arrangement of two air-chambers N, (also shown in dotted lines,) in which suitable pistons are fitted, as before described in connection with Fig. 1, and these pistons terminate in the arms O. Two tubes P lead from the cham-

bers to suitable bulbs. From this it will be seen that the proper manipulation of these bulbs will cause the arms to move outward and thrust the fists of each against the face
5 of the opposite head, which will give the appearance of two persons fighting.

In Figs. 5 and 6 I have shown the representation of a basket Q and in connection therewith two air-chambers R, arranged parallel
10 and having fitted therein the pistons S, which carry upon their upper ends the sections T and T', each of which has painted or stamped thereon some suitable design, such as fruit,
15 so that by the manipulation of the bulbs leading to the air-chambers one or the other of these sections may be made to appear above the edge of the basket, so as to represent a basket of fruit or the like.

Of course I do not wish to be limited to the
20 exact construction here shown, as slight modi-

fications may be made without departing from the spirit of my invention.

Having thus fully described my invention, what I claim as new and useful is—

In a pneumatic toy, a frame, an inverted-
25 U-shaped piece secured to the frame, an air-chamber, a piston in the air-chamber carrying a flat piece on its upper end to one side of the inverted-U-shaped piece, the parts being so arranged that the end of the piston
30 abuts the inverted-U-shaped piece when the figure carried by the piston is above the frame.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

JAMES L. MAULL.

Witnesses:

MARY E. HAMER,
S. S. WILLIAMSON.