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W. R. FARIS.
BUCKLE.
APPLICATION FILED MAY 24, 1909.

Patented Apr. 18, 1911.

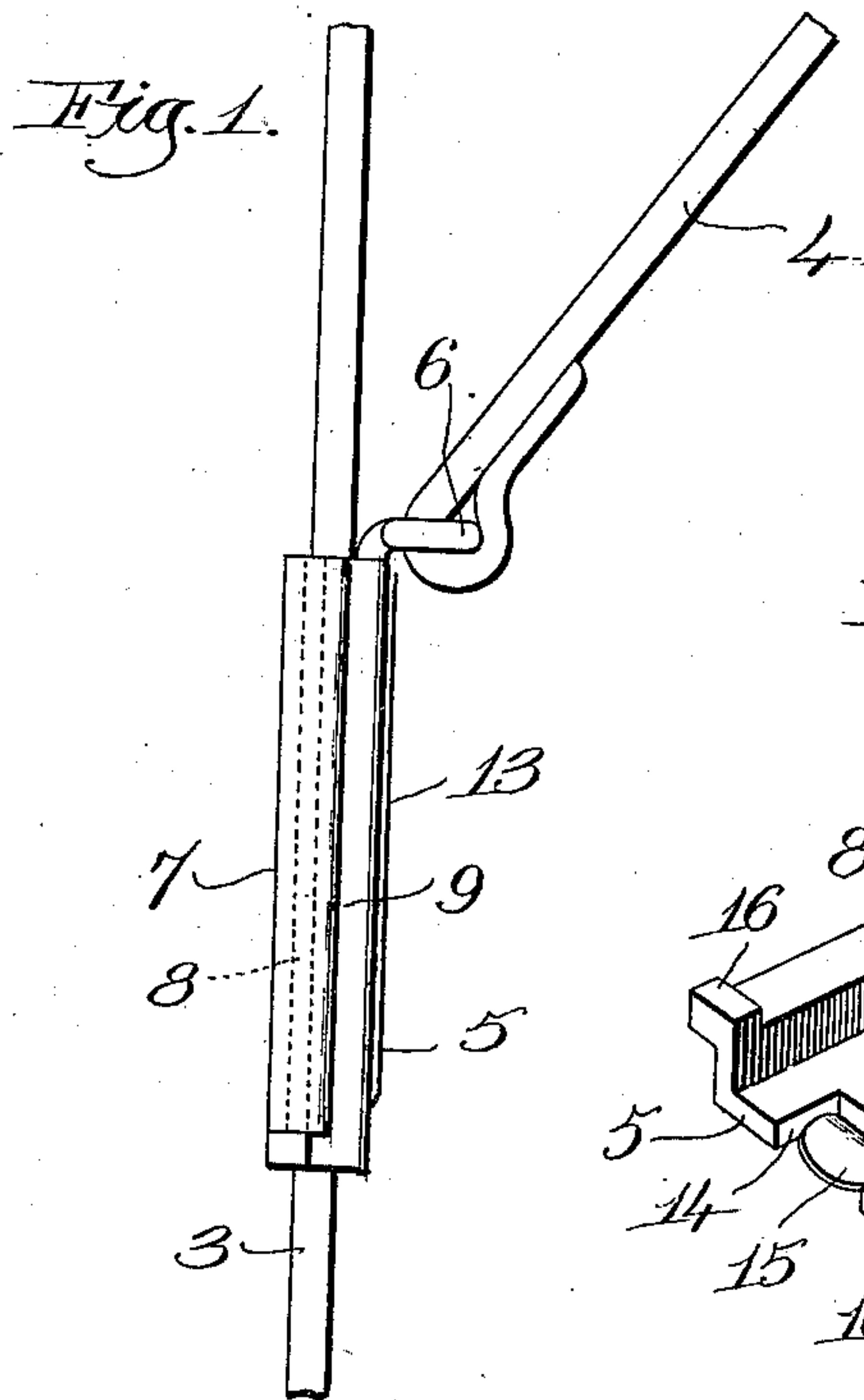


Fig. 5.

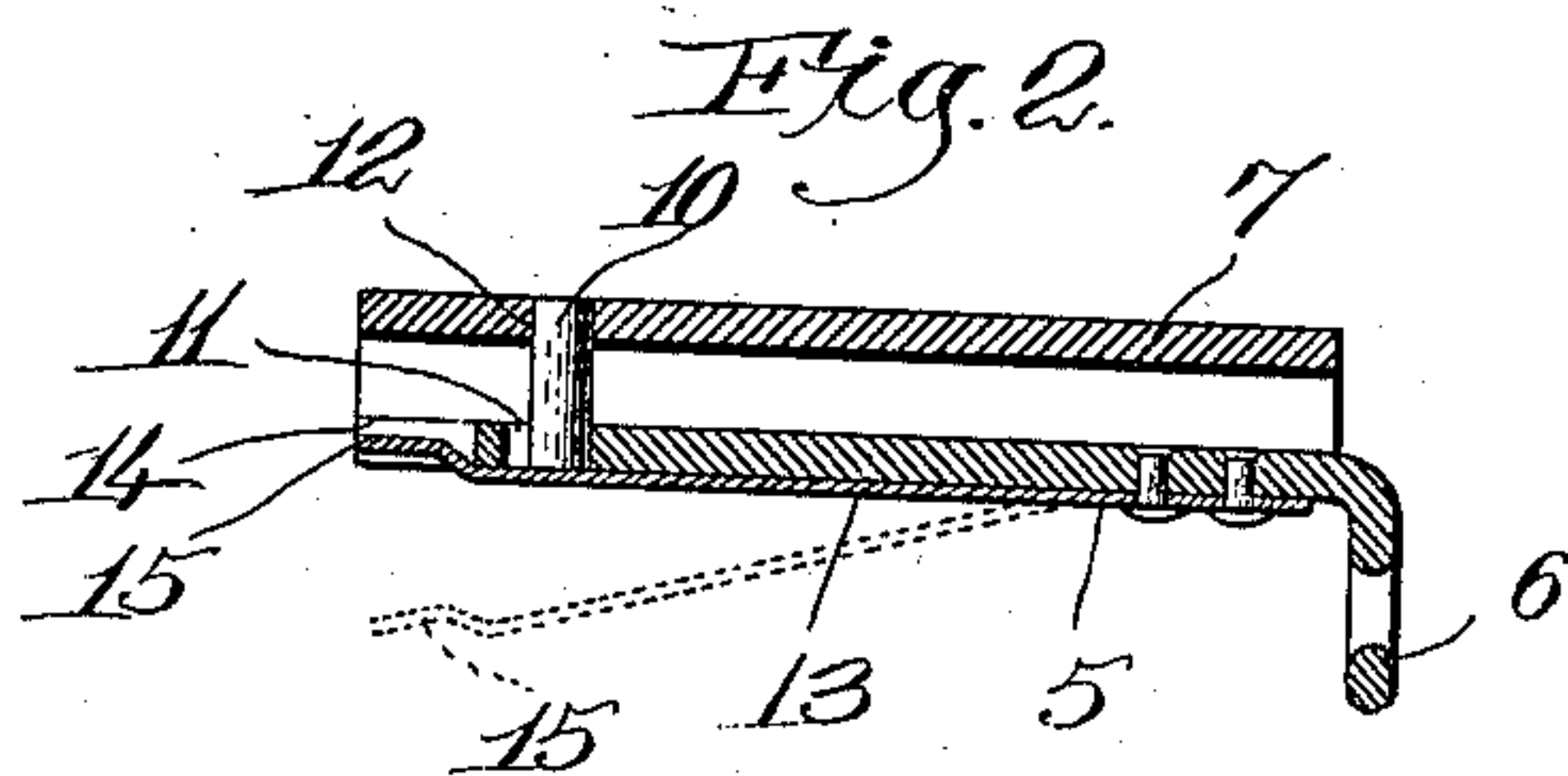
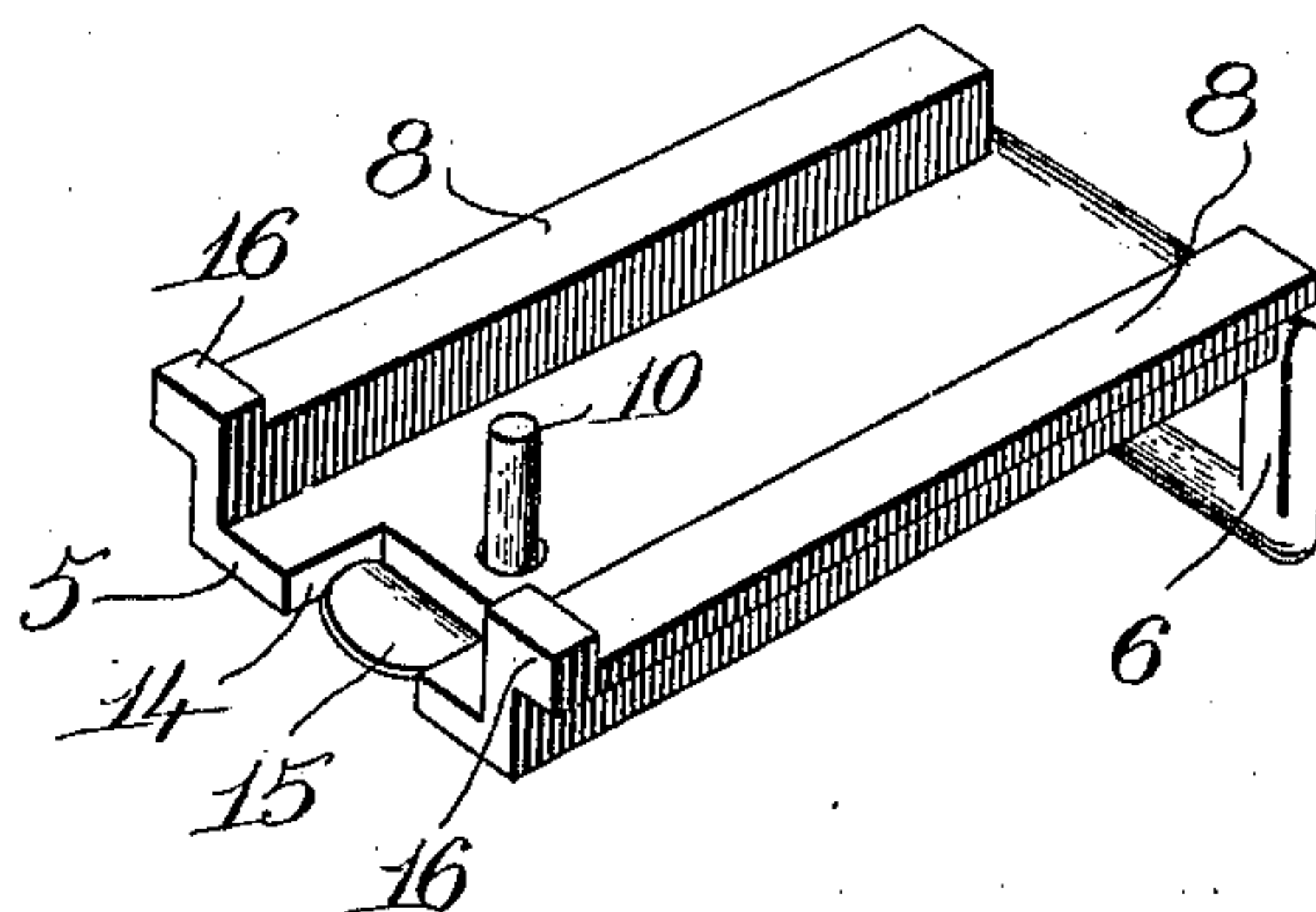


Fig. 3.

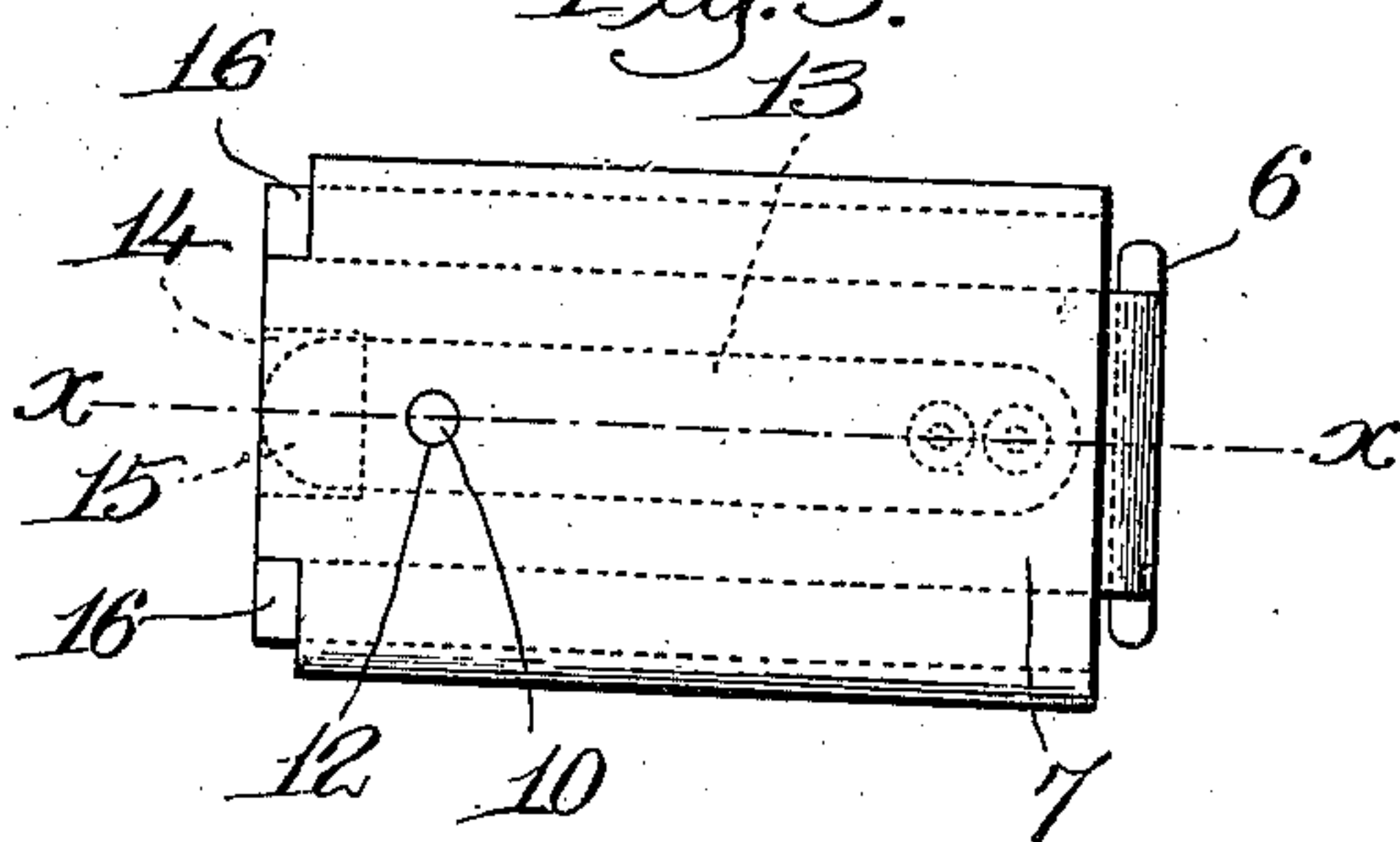
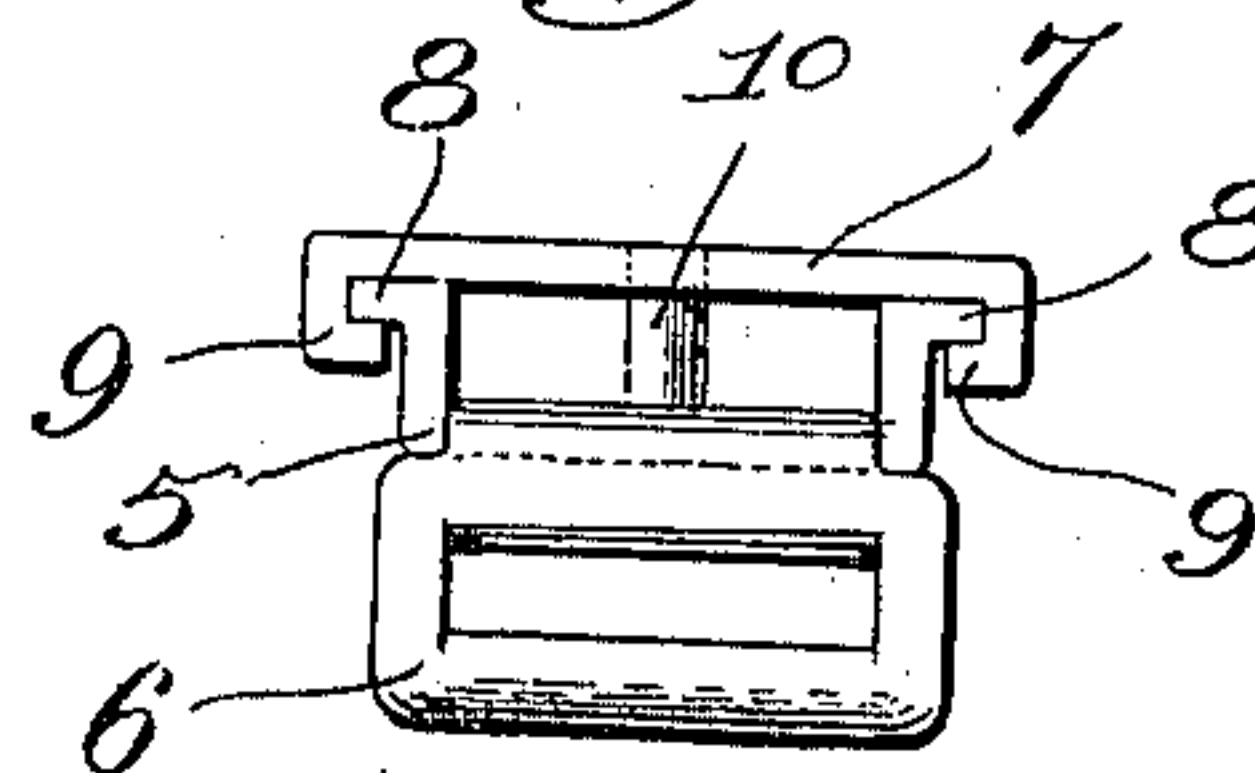


Fig. 4.



Witnesses.
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by Henry J. Murphy atty.

UNITED STATES PATENT OFFICE.

WILLIAM R. FARIS, OF BARNET, VERMONT.

BUCKLE.

989,590.

Specification of Letters Patent. Patented Apr. 18, 1911.

Application filed May 24, 1909. Serial No. 497,982.

To all whom it may concern:

Be it known that I, WILLIAM R. FARIS, a citizen of the United States, residing at Barnet, county of Caledonia, State of Vermont, have invented an Improvement in Buckles, of which the following description, in connection with the accompanying drawing, is a specification, like letters on the drawing representing like parts.

10 This invention relates to buckles and it has for its object to provide a novel buckle which can be used for a variety of purposes, such, for instance, as a cross-rein buckle, a tug buckle, and in many other places where
15 a buckle is desired for connecting two parts together.

In the drawings I have shown the invention as it would be applied when used as a cross-rein buckle, and Figure 1 is a side
20 view of a cross-rein buckle embodying my invention showing a portion of the through and cross reins; Fig. 2 is a section on the line $x-x$, Fig. 3; Fig. 3 is a top plan view of my improved cross rein buckle; Fig. 4
25 is an end view thereof; Fig. 5 is a perspective view of the body or box portion thereof.

In the drawings, 3 designates the through rein and 4 the cross rein.

My improved buckle comprises a body or
30 box portion 5 to which the cross rein 4 is secured, and which is adapted to receive and be adjustably secured to the through rein 3. This box or body has a channel shape and is of a size to receive and fit closely the
35 through rein. It is shown as provided with an eye 6 to which the cross rein 4 is secured in any suitable way, so that this box or body is permanently connected to the cross rein. The box or body 5 has the open side
40 which is closed by the cover 7; said box or body is shown as having the outwardly-extending rib 8 formed on each side flange thereof, and the cover 7 has at each side the lips 9 adapted to embrace the flanges 8. The
45 cover may be withdrawn from the box or replaced thereon by sliding it longitudinally of the box, as will be obvious.

I have provided a locking pin 10 which serves both to lock the cover to the box and
50 to secure the through rein 3 to the cross buckle. This locking pin 10 extends through an aperture 11 formed in the bottom of the box 5 and is also adapted to be received in an aperture 12 formed in the cover. Said
55 pin is preferably carried by a spring 13 which is secured to the body 5 and which

acts to resiliently hold the pin in locking position. The bottom of the box is cut away at 14 thereby exposing the end 15 of the spring, so that by pressing this end of the
60 spring downwardly into the dotted line position Fig. 2, the pin 10 may be withdrawn from the cover 7.

The through reins 3 are usually provided with a plurality of apertures so as to permit
65 the cross reins to be connected thereto at different points, and when my buckle is in use, the through rein passes through the box 5 beneath the cover 7 and the pin 10 occupies one of the apertures in the rein.
70 Said pin also is held in the aperture 12 in the cover and thus locks the cover in place.

If it is desired to adjust the buckle along the through rein, the spring 13 will be depressed to remove the pin 10 from the cover
75 and also from the aperture in the through rein, and then the rein may be drawn through the buckle until it is properly adjusted, when the pin 10 may be passed
80 through another aperture in the through rein and back in the aperture 12 in the cover. If it is desired to disconnect the cross rein from the through rein, the spring 13 is depressed to withdraw the pin from the aperture 12 and the cover 7 may then be slipped
85 off from the box. When this is done the through rein may be removed from the open side of the box, as will be obvious. It will be seen that the adjusting of the buckle
90 along the rein, or the removal of the buckle from the through rein involves only a moment's time.

My improved buckle is inexpensive to manufacture and it is compact in shape and
95 neat in appearance.

I have herein shown the box as provided with two stops 16 which limit the sliding movement of the cover in one direction and serve to properly position the cover to receive the pin 12.
100

By making the buckle of the proper shape and size it can be readily used as a tug buckle. When made and used in this way, the tug would be passed into and through
105 the box in much the same manner that the through rein 3 is in the drawings, and the length of the tug may be readily adjusted in the manner above described. The buckle is also capable of use in various other ways,
110 and the invention can be embodied in small or large buckles which can be used for a great variety of purposes.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a buckle, the combination with an
5 apertured body provided at one end with a notch, and also having at the other end an eye for the attachment of a cross line, said body presenting side flanges between which the through line is adapted to be re-
10 ceived, and which are provided with outwardly extended ribs, of an apertured cover provided with grooved lips to embrace and slide over the ribs a spring arm secured at one end to the outer face of the body and the
15 other end of which occupies said notch, and a locking pin carried by the arm and projecting through the apertures in the body and cover respectively.

2. In a cross line buckle, the combination
20 with a body and cover, each having an aperture, said body having at one end an eye

for the attachment of a cross line and shaped to present side flanges between which the through line is adapted to be received, and which are provided with outwardly-ex- 25 tending ribs and stop projections, said cover being provided with grooved lips to embrace and slide over the ribs, of a spring arm secured to the outer face of the body, and a locking pin carried by the arm and pro- 30 jecting through said apertures in the body and cover respectively and adapted to lock the cover to the body and the buckle to the through line.

In testimony whereof, I have signed my 35 name to this specification, in the presence of two subscribing witnesses.

WILLIAM R. FARIS.

Witnesses:

MABEL L. SPENCER,
ELISHA MAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
