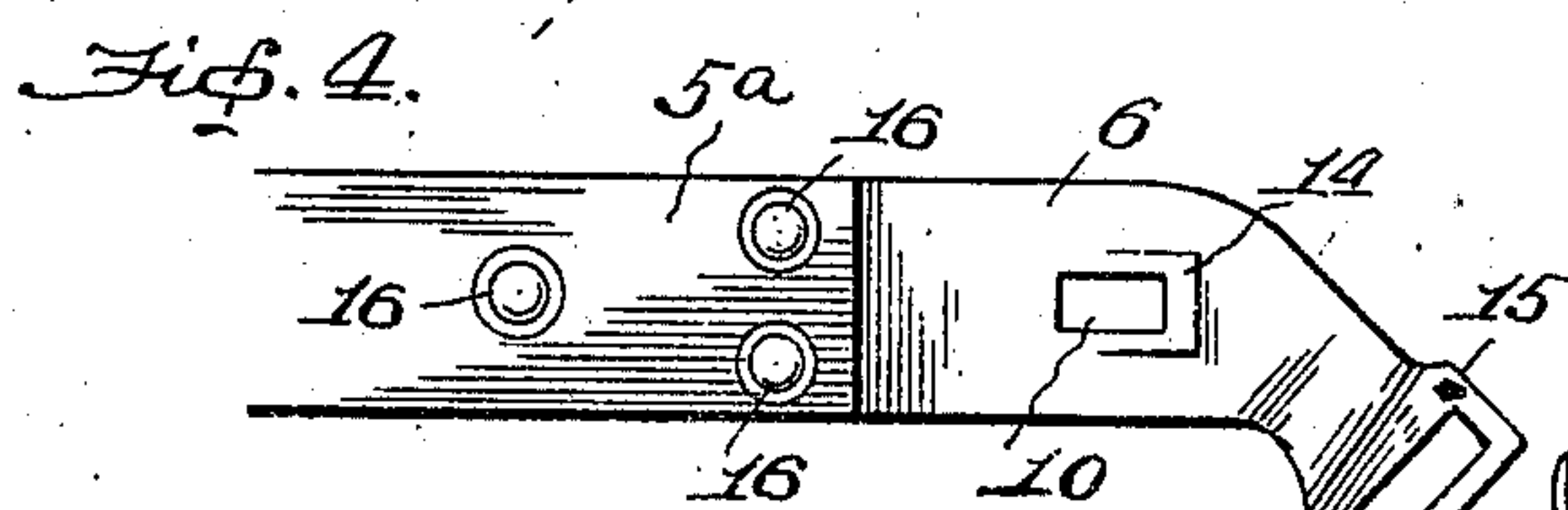
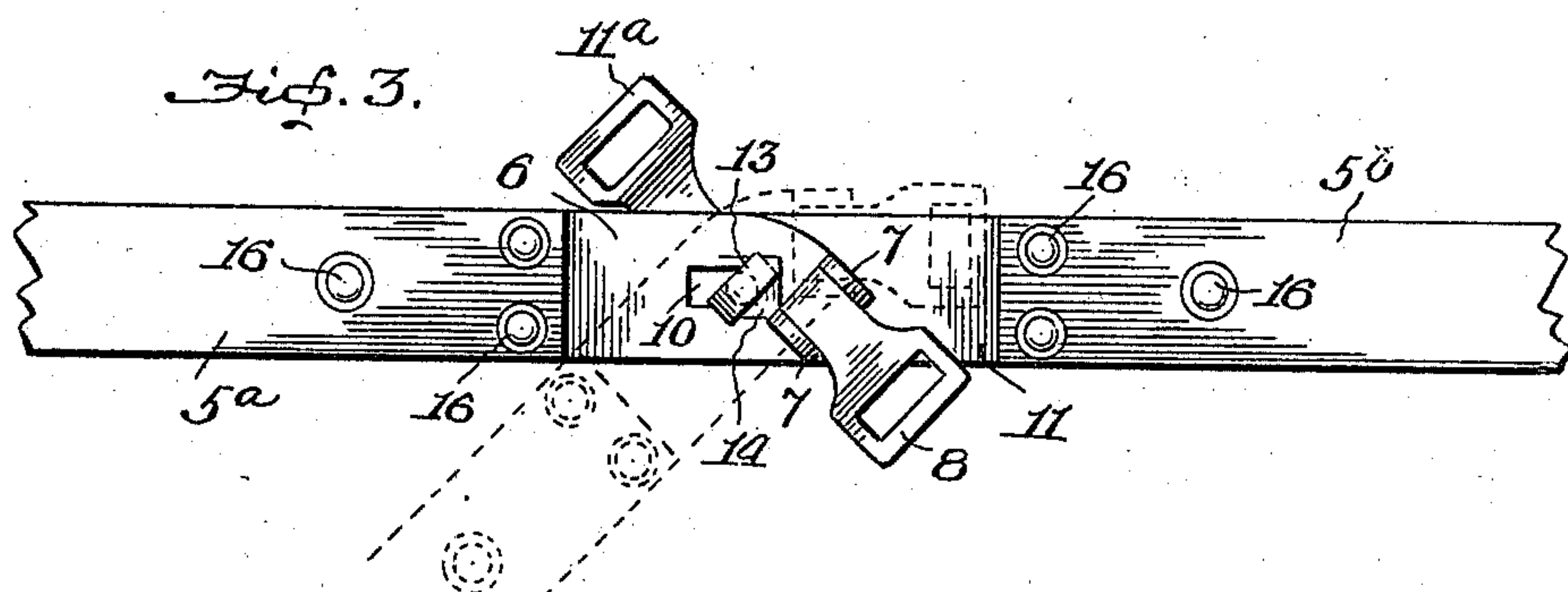
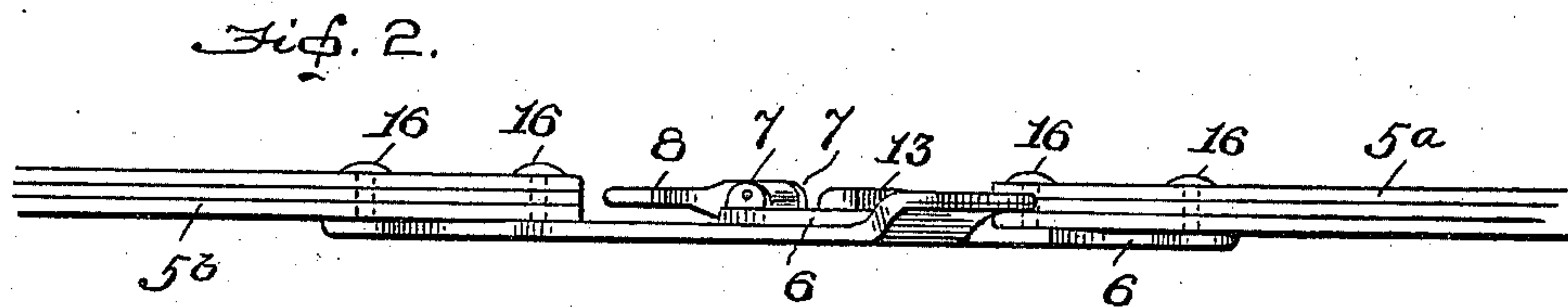
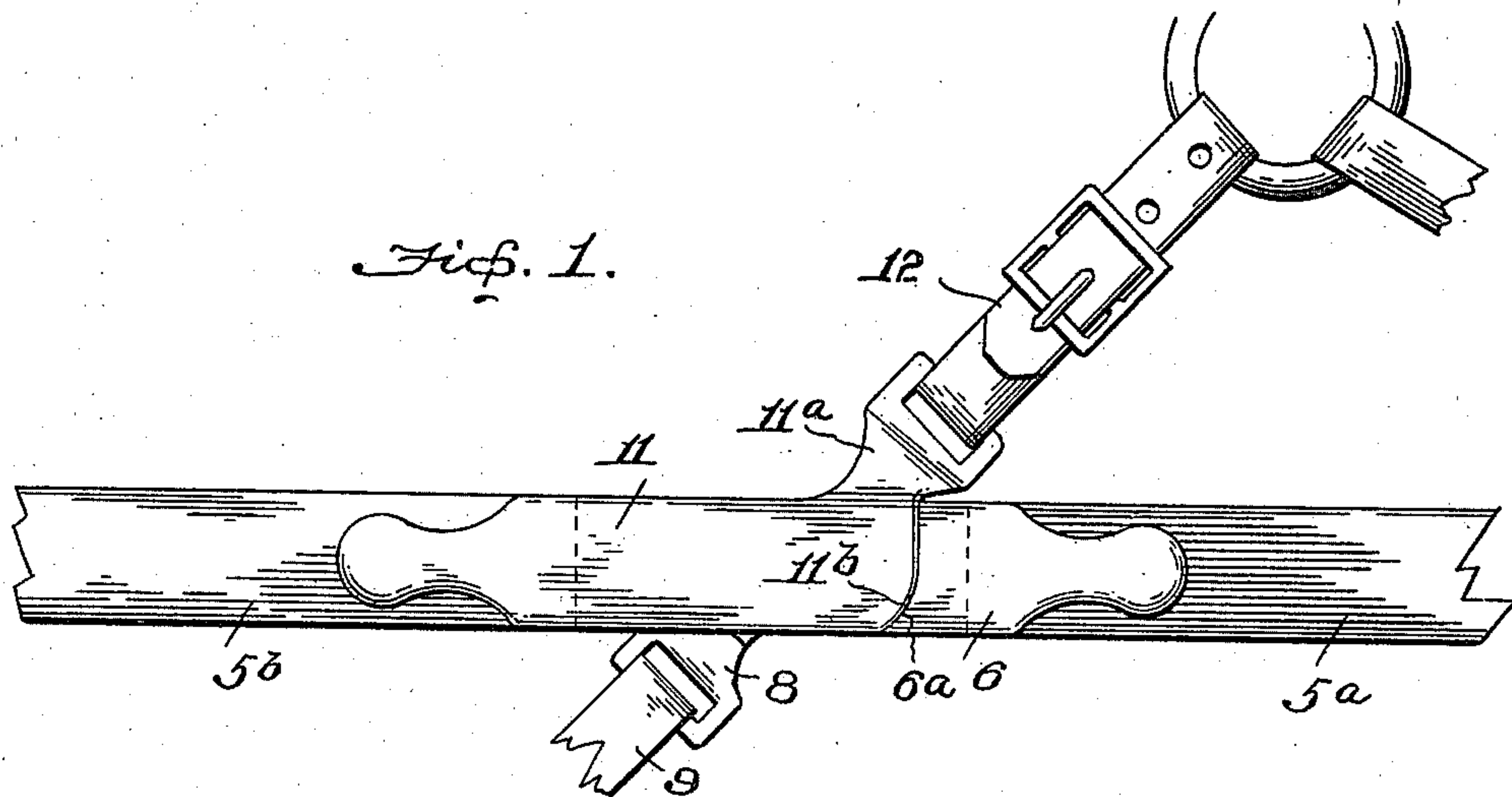


J. W. VAN EVERY.  
ATTACHMENT FOR HARNESS.  
APPLICATION FILED OCT. 19, 1909.

963,962.

Patented July 12, 1910.



Witnesses:-

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Attorneys.



# UNITED STATES PATENT OFFICE.

JOHN W. VAN EVERY, OF VAN, MICHIGAN.

## ATTACHMENT FOR HARNESS.

963,962.

Specification of Letters Patent.

Patented July 12, 1910.

Application filed October 19, 1909. Serial No. 523,512.

*To all whom it may concern:*

Be it known that I, JOHN W. VAN EVERY, a citizen of the United States, residing at Van, in the county of Emmet and State of Michigan, have invented an Attachment for Harness, of which the following is a specification.

My invention is an improvement in harness, and relates more especially to a separable fastening device for the hame-tug and hold-back straps of single harness, for convenience in hitching and unhitching.

My invention is designed as an improvement upon the form of fastening device shown in the patent to O. A. Willyard, No. 475,911, dated May 31, 1892.

The primary object of my present invention is to provide a fastening device of this character in which the parts of the fastening device may be readily and conveniently separated, and when coupled for use the sections of the tug-strap will be securely and firmly connected and the hold-back straps disposed on a line with each other, so as to give a direct draft.

Other objects and advantages of the invention will hereinafter appear, and what I claim as new, and desire to secure by Letters-Patent will be specifically set forth in the appended claim.

In the accompanying drawings, which form a part of this specification: Figure 1 is a side view, illustrating the application of my invention. Fig. 2 is a top plan view, the hold-back straps being removed. Fig. 3 is a rear view, the dotted lines showing one of the parts shifted for disconnection. Fig. 4 is a detail view, illustrating a modification.

Like numerals of reference indicate like parts in all the views of the drawings.

In the form of fastening device to which my invention is applied each hame-strap is divided into two parts which are connected by a separable fastening device, and the breeching strap is attached to one of the parts of said fastening device while the hold-back strap is attached to the other. In the present instance the rear portion, as 5<sup>a</sup>, of the hame strap or trace is attached to the outer end of a plate 6, comprising one member of the fastening device, said plate being offset as shown to receive the companion plate, hereinafter described, and at its inner end is provided with ears 7 between which is pivoted a metal loop 8, forming the means of connection for the hold-back strap 9 se-

cured to the thill. This plate is also provided with a slot 10, adapted to co-act with a headed stud on the companion plate for connecting the parts of the fastening device together. The other part, 5<sup>b</sup>, of the hame strap or trace is attached to the outer end of a plate 11, forming the other part of the fastening device, the inner end of said plate being extended upward, as at 11<sup>a</sup>, and said extension slotted to form the means of connection for the breeching-strap 12.

As will be seen by reference to Fig. 2 the extension 11<sup>a</sup> is bent inward or offset so that the connection of the breeching strap will be on a line with the connection of the hold-back strap and thereby give a direct draft between the thill and breeching. The plate 11 is provided on its inner side with a headed stud 13, which co-acts with the slot in the companion plate for detachably connecting the plates, the elongated head of the stud corresponding in size and shape with the slot, through which it is adapted to pass. The elongated head is disposed at an angle while the slot is longitudinal, so that the plates will have to be placed at an angle to each other for the headed stud to pass into engagement with the slot, said head locking when the plates are brought on a line with each other. For the purpose of securely binding the plates when in locked position the plate 6 is provided with a raised boss 14 at the outer portion of the slot, providing an inclined surface upon which one end of the head rides.

Though I prefer to provide the plate or member 6 of the fastening device with a pivoted metal loop, as 8, hereinbefore described, I may in some instances form said loop integrally with the plate, as at 15 in Fig. 4, in which latter instance said metal loop would be bent inward or offset away from the plate, similar to the extension or loop 11<sup>a</sup>, so that it will easily clear the end of the strap 5<sup>b</sup> when said plate is turned to the position shown in dotted lines in Fig. 3 of the drawings. It will be obvious, however, that this is better accomplished by means of the pivoted metal loop 8, which may be swung outward away from the companion plate and hame strap or trace when said plate is turned to disconnect the parts. The parts of the hame strap or trace are attached to the plates or members of the fastening device by means of studs 16, which



pass through the parts of the hame strap or trace and are upset, as is usual.

By reference to Fig. 1 it will be noted that the inner end of the plate 11 is rounded, as at 11<sup>b</sup>, and that the plate 6 is provided with a corresponding shoulder, 6<sup>a</sup>, these parts serving to limit the movement of the parts of the fastening upon each other in one direction.

From the foregoing it will be seen that I provide a fastening device which can be readily manipulated to disconnect parts of the harness, and that in use the parts of the trace or tug strap will be securely and firmly connected.

Having thus described my invention, I claim:

In a detachable fastening device for parts

of harness, the combination with a divided trace, of a plate secured to one portion of the trace and having a metal loop and intermediate slot with a raised boss at one end of the slot to provide an inclined surface, a companion plate secured to the other portion of the trace, a headed stud on said plate adapted to engage the slot and aforesaid inclined surface, and a metal loop on the last mentioned plate, substantially as shown and described.

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

JOHN W. VAN EVERY.

Witnesses:

CLAUD W. BROWN,  
A. E. VAN EVERY.