

No. 786,778.

PATENTED APR. 4, 1905.

F. SHEPPARD.
RIVETING DEVICE.

APPLICATION FILED JULY 5, 1904.

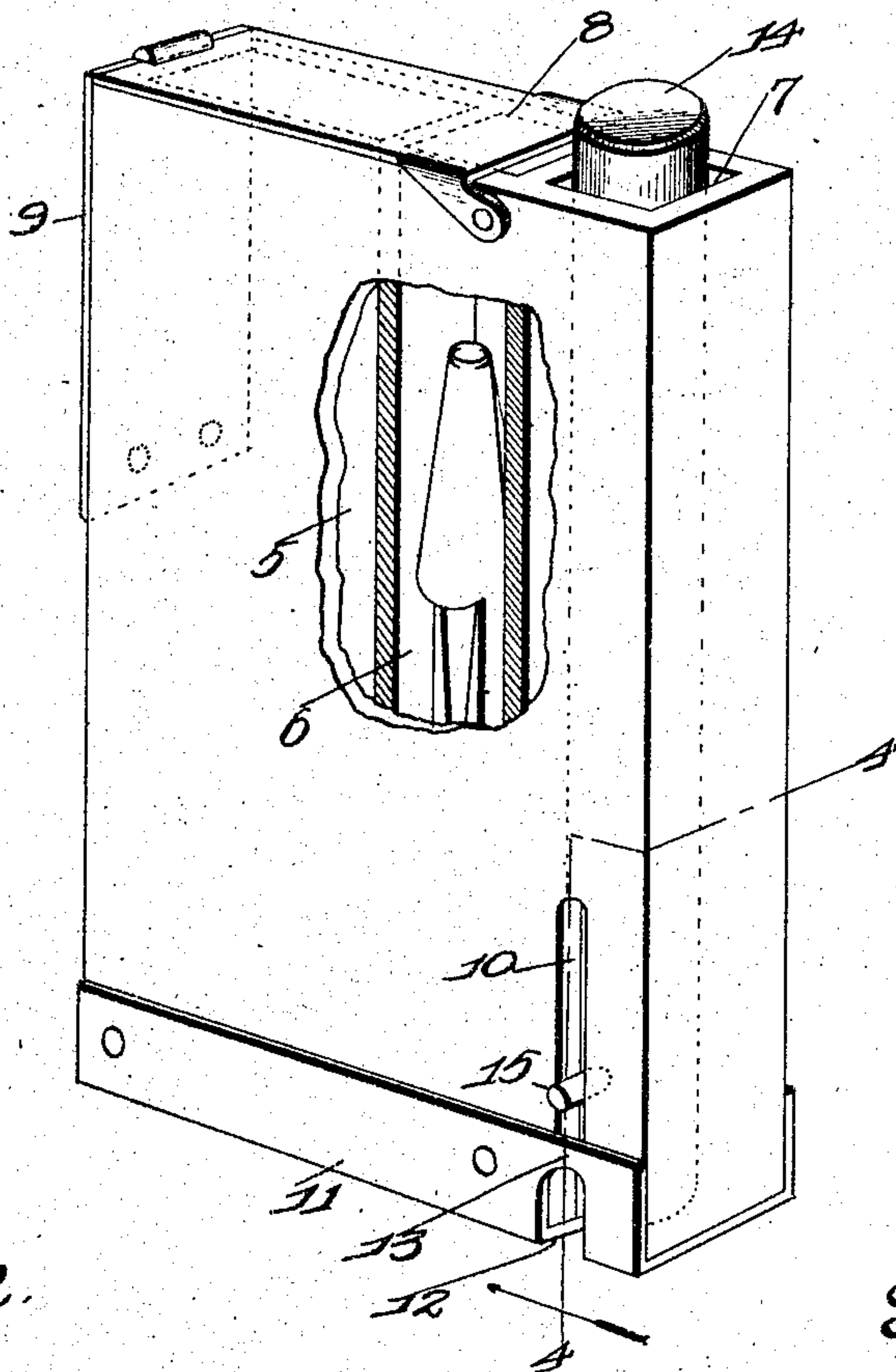


Fig. 1.

Fig. 2.

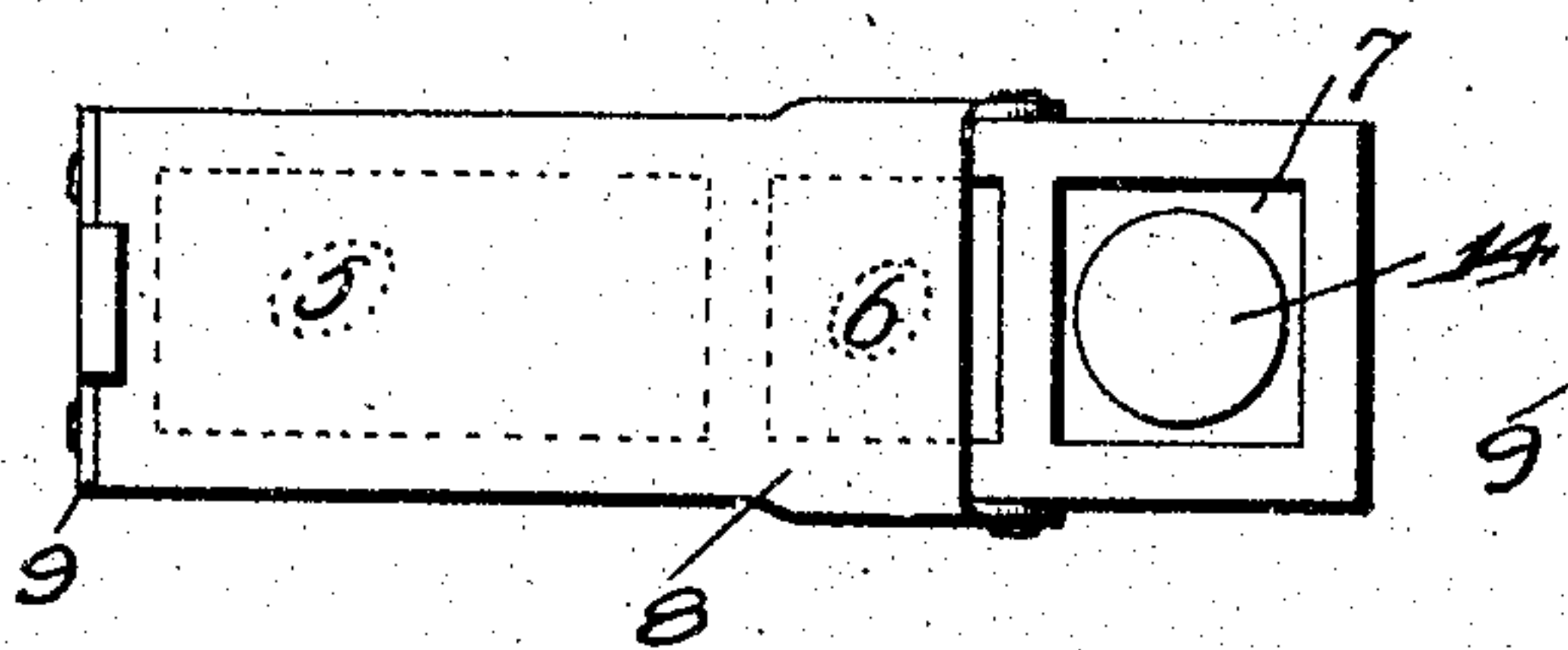


Fig. 3.

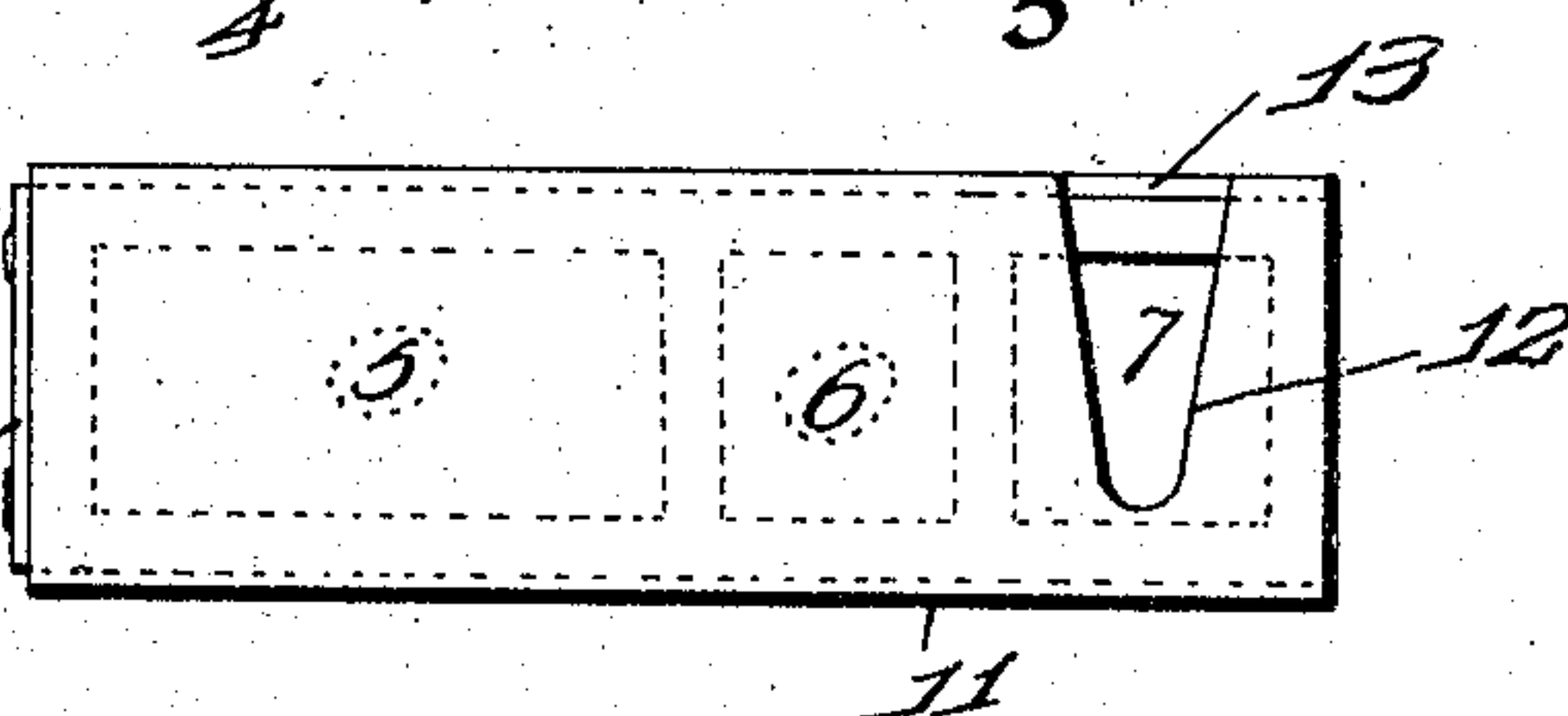
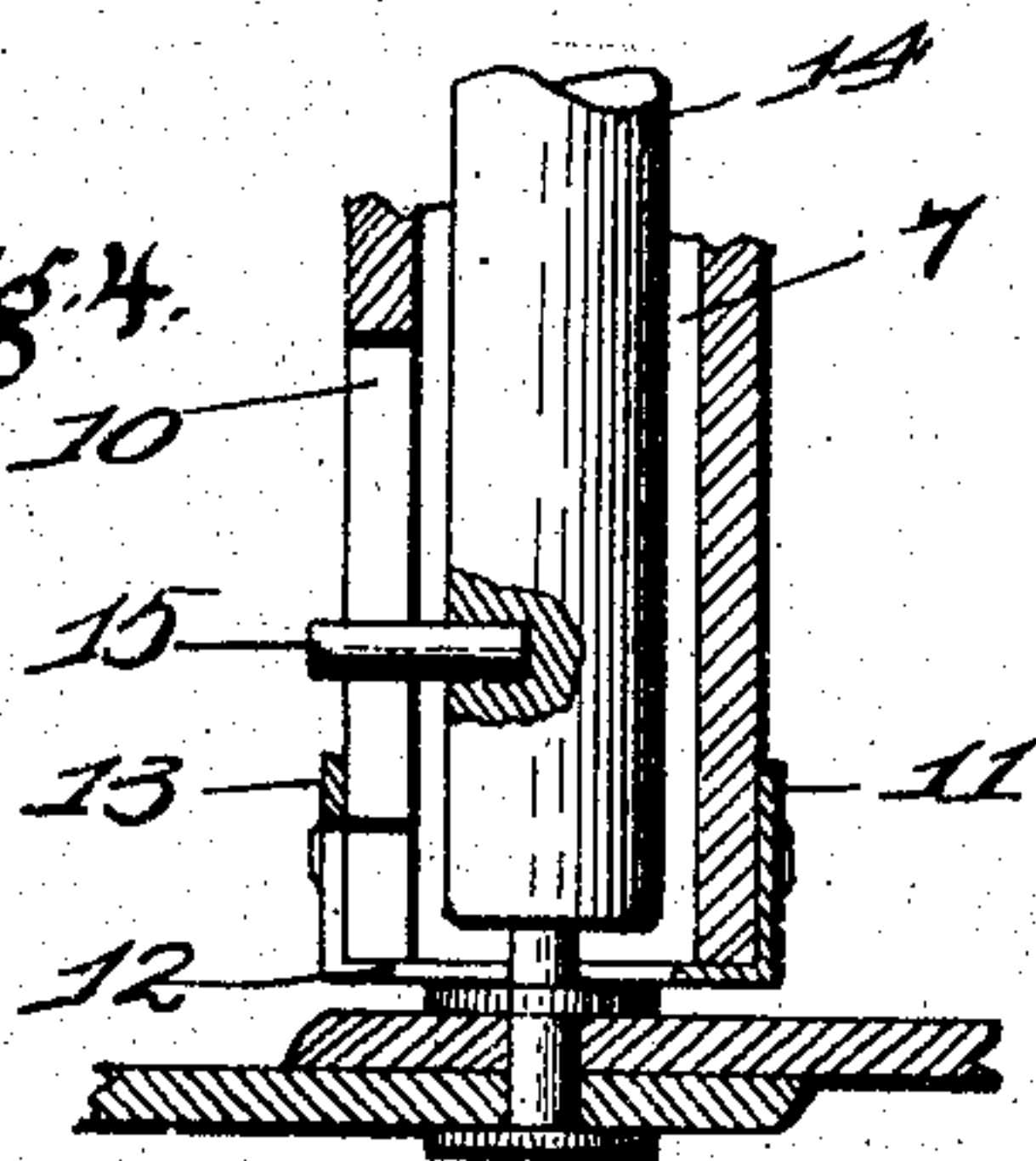


Fig. 4.



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FRANK SHEPPARD, OF EDWARDSVILLE, ILLINOIS.

RIVETING DEVICE.

SPECIFICATION forming part of Letters Patent No. 786,778, dated April 4, 1905.

Application filed July 5, 1904. Serial No. 215,393.

To all whom it may concern:

Be it known that I, FRANK SHEPPARD, a citizen of the United States, residing at Edwardsville, Madison county, State of Illinois, have

invented certain new and useful Improvements in Riveting Devices, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in riveting devices; and it consists of the novel features herein shown, described, and claimed.

In the drawings, Figure 1 is a perspective of my riveting device, parts being shown in section to illustrate the construction. Fig. 2 is a top plan view of the device shown in Fig. 1. Fig. 3 is a bottom plan view of the device shown in Fig. 1. Fig. 4 is a sectional detail on the line 4 4 of Fig. 1 and looking in the direction indicated by the arrow.

Referring to the drawings in detail, the main frame of my improved riveting device is cast in a single piece and comprises means of forming the rivet-chamber 5, the punch-chamber 6, and the rivet-set chamber 7, said chambers being arranged side by side in vertical positions and normally open at both ends. A cover 8 is hinged to the frame and in position to cover the chambers 5 and 6, and a spring-catch 9 is secured to the side of the frame in position to hold the cover closed. The stop-slot 10 extends through the front wall of the frame from the rivet-set chamber 7 at its lower end. The washer-holding plate 11 is secured to the bottom of the frame in position to close the lower ends of the chambers 5, 6, and 7, there being a rivet-slot 12 in said plate at the lower end of the chamber 7 and said plate forming the rivet-set stop 13 across the lower end of the slot 10. The rivet-set 14 is slidably mounted in the rivet-set chamber 7, and the rivet-set stop-pin 15 extends from the rivet-set through the slot 10, said stop-pin engaging the rivet-set stop 13 to limit the downward motion of the rivet-set and said pin engaging the upper end of the slot 10 to limit the upward motion of the rivet-set, thereby allowing the rivet-set to slide up and down in

its chamber, and thereby holding the rivet-set from being removed from the chamber. If the rivet-set is larger than the slot 12, the rivet-set stop 13 is not required as a set-stop; but I prefer to form the plate 11 with the portion 13 extending across the end of the slot 12, as shown in Fig. 1.

In the operating of my improved riveting device rivets and washers may be placed in the chamber 5, the punch for making holes for the rivets may be placed in the chamber 6, the cover closed and held closed by the catch 9.

When it is desired to splice a harness-strap or the like, the cover 8 is opened, the punch is removed, the holes are formed in the straps, a rivet and washer is removed from the chamber 5 and placed in the holes in the straps. Then the riveting device is placed in position with the point of the rivet extending through the slot 12 and the edges of the plate around the slot resting upon the washer. Then the frame is pressed downwardly to press the washer tightly into position upon the straps and the head of the rivet-set is struck with a hammer to form a head upon the rivet above the washer. Then the device is removed, the punch returned to its chamber, and the cover 8 closed.

I claim—

1. In a riveting device: a suitable frame forming a rivet-chamber, a punch-chamber, and a rivet-set chamber; there being an opening at the bottom of the rivet-set chamber to receive the point of the rivet; and a rivet-set slidably mounted in said rivet-set chamber above said opening; substantially as specified.

2. In a riveting device: a casting forming a rivet-chamber, a punch-chamber, and a rivet-set chamber; a cover hinged in position to close the rivet-chamber and the punch-chamber; and a spring-catch to hold the cover closed; a washer-holding plate secured in position to close the lower ends of said chambers; there being a rivet-slot through said plate at the bottom of the rivet-set chamber to receive the point of the rivet; said plate serving to press the washer down around the rivet;

and a rivet-set mounted in the rivet-set chamber above the slot in said washer-holding plate; substantially as specified.

3. In a riveting device: a casting forming a
5 rivet-set chamber; a washer-holding plate secured in position to close the lower end of said chamber, there being a rivet-slot through said plate at the bottom of the rivet-set chamber and extending forwardly through the wall of
10 the chamber to receive the point of the rivet; said plate serving to press the washer down

around the rivet and a rivet-set mounted in the rivet-set chamber above the slot in said washer-holding plate.

In testimony whereof I have signed my name 15
to this specification in presence of two subscribing witnesses.

FRANK SHEPPARD.

Witnesses:

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