

A. O. McNATTON.
COLLAR OR HAME FASTENER.
APPLICATION FILED APR. 8, 1910.

979,321.

Patented Dec. 20, 1910.

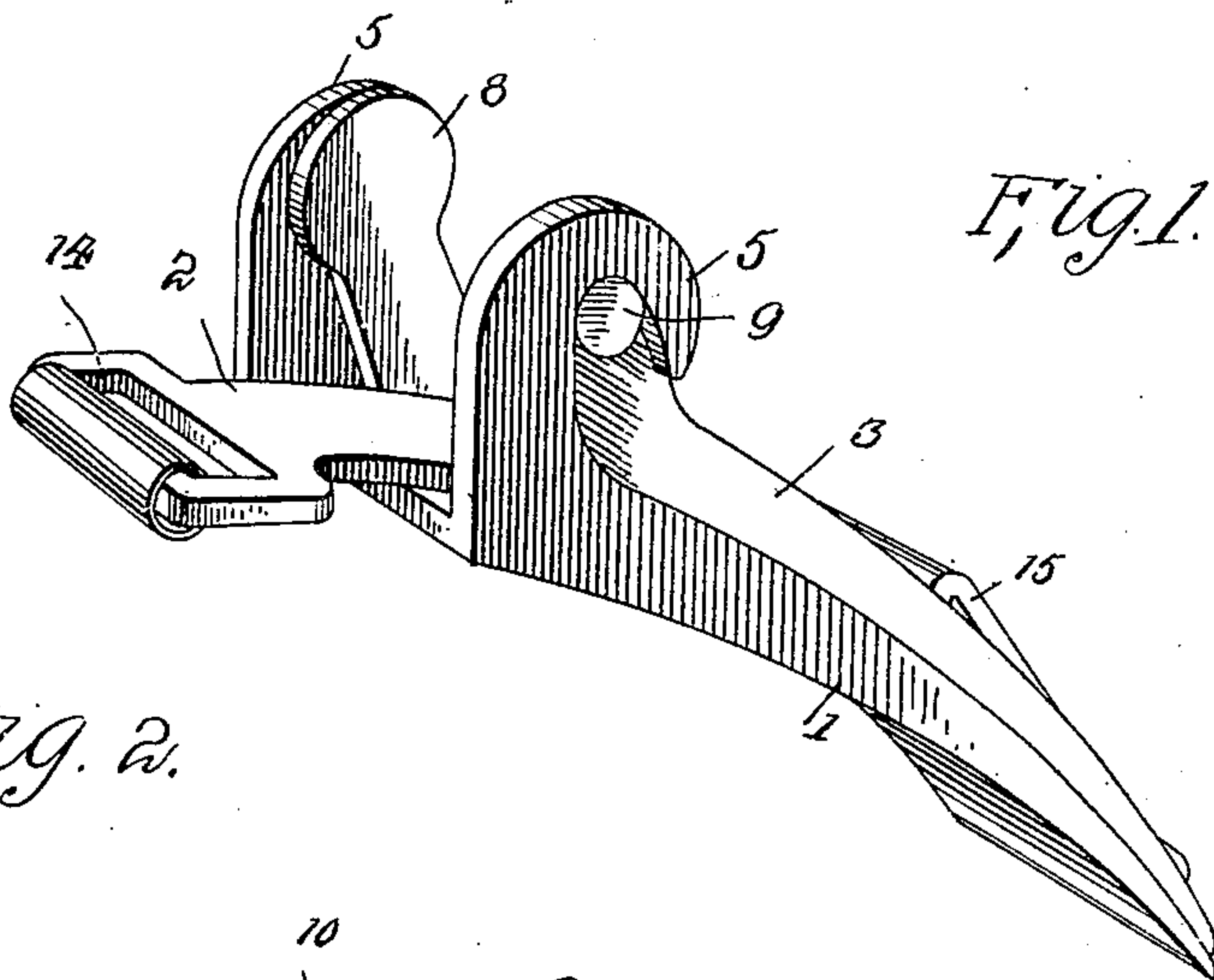


Fig. 1.

Fig. 2.

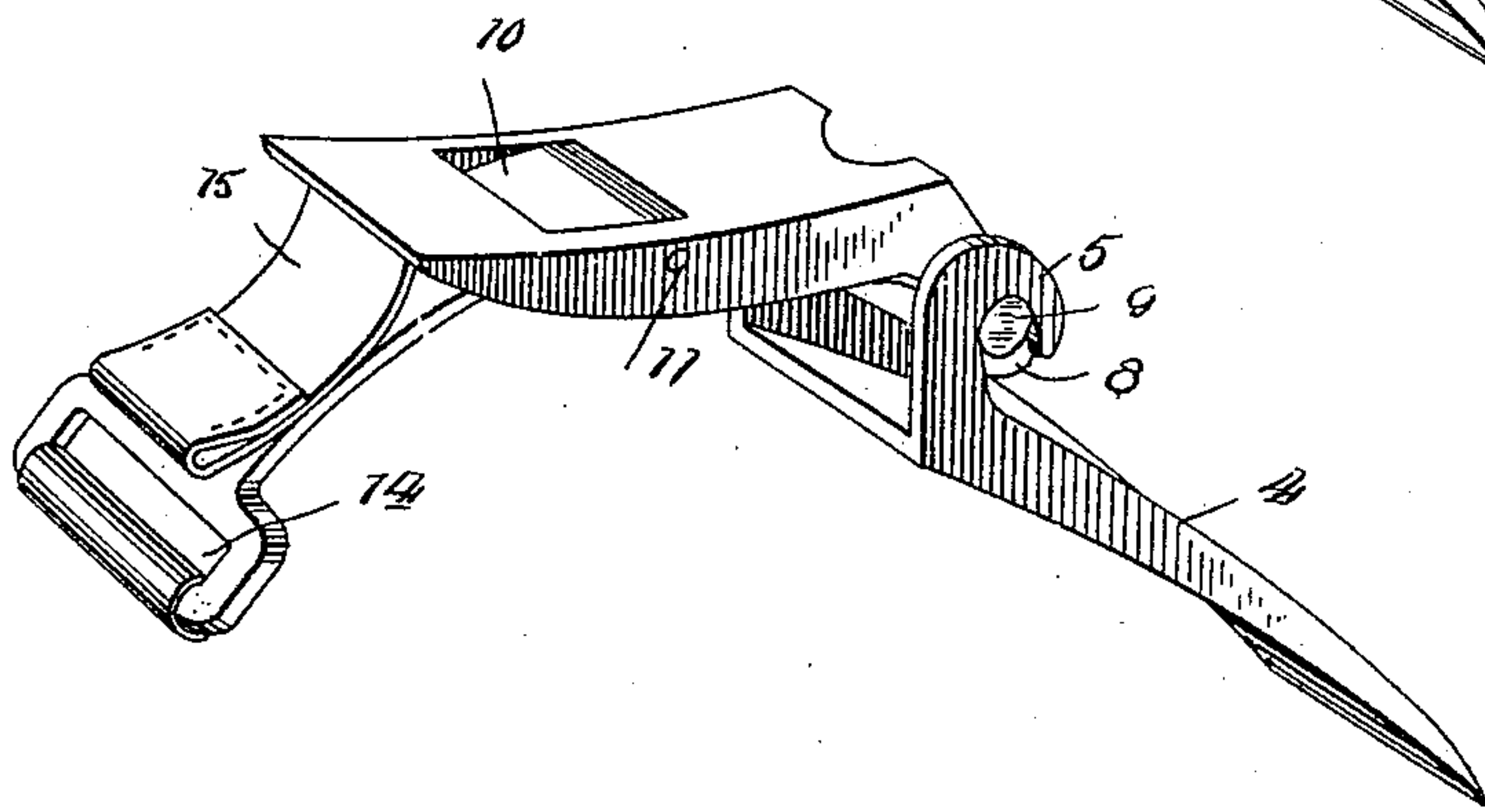


Fig. 4.

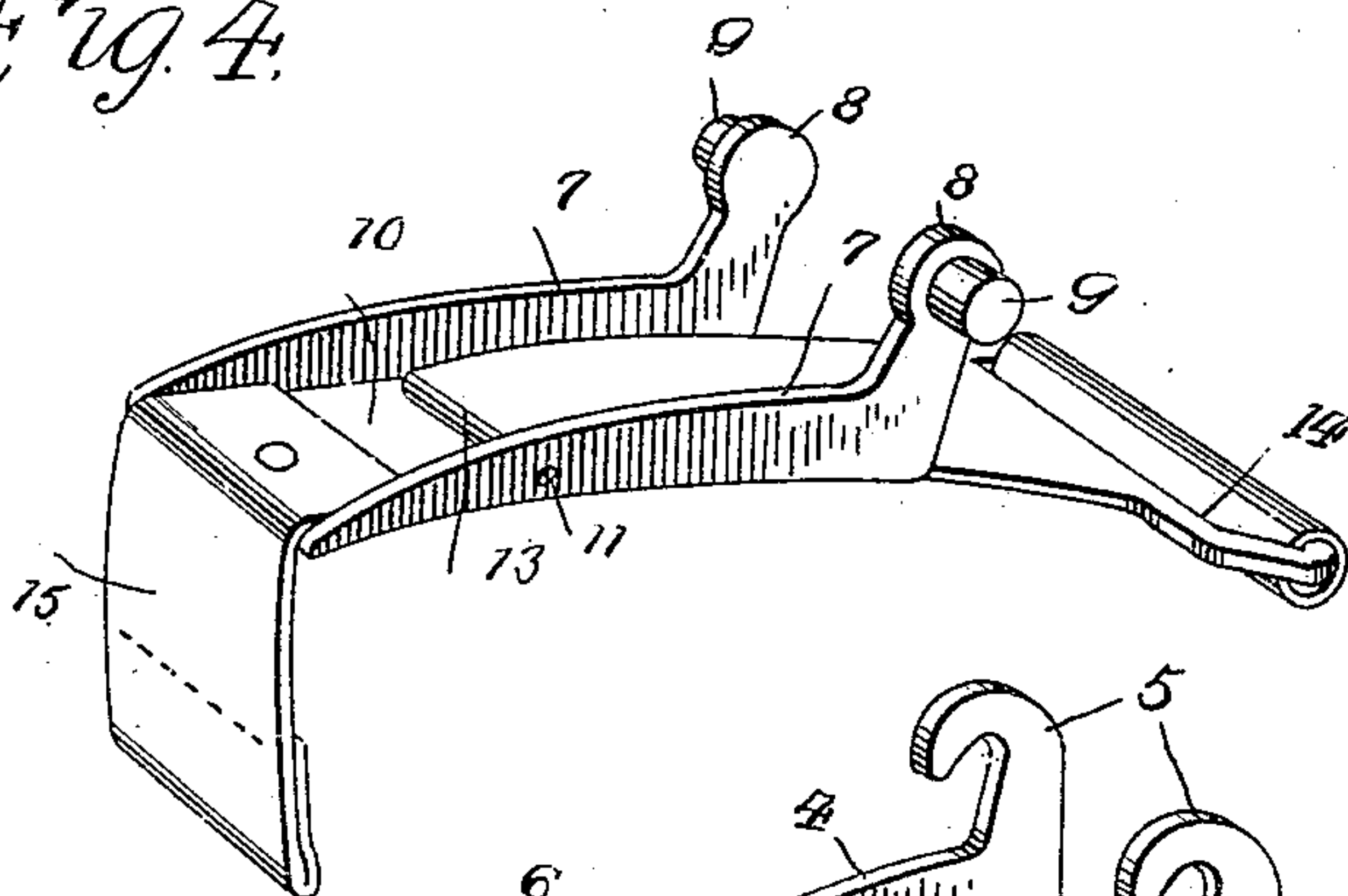
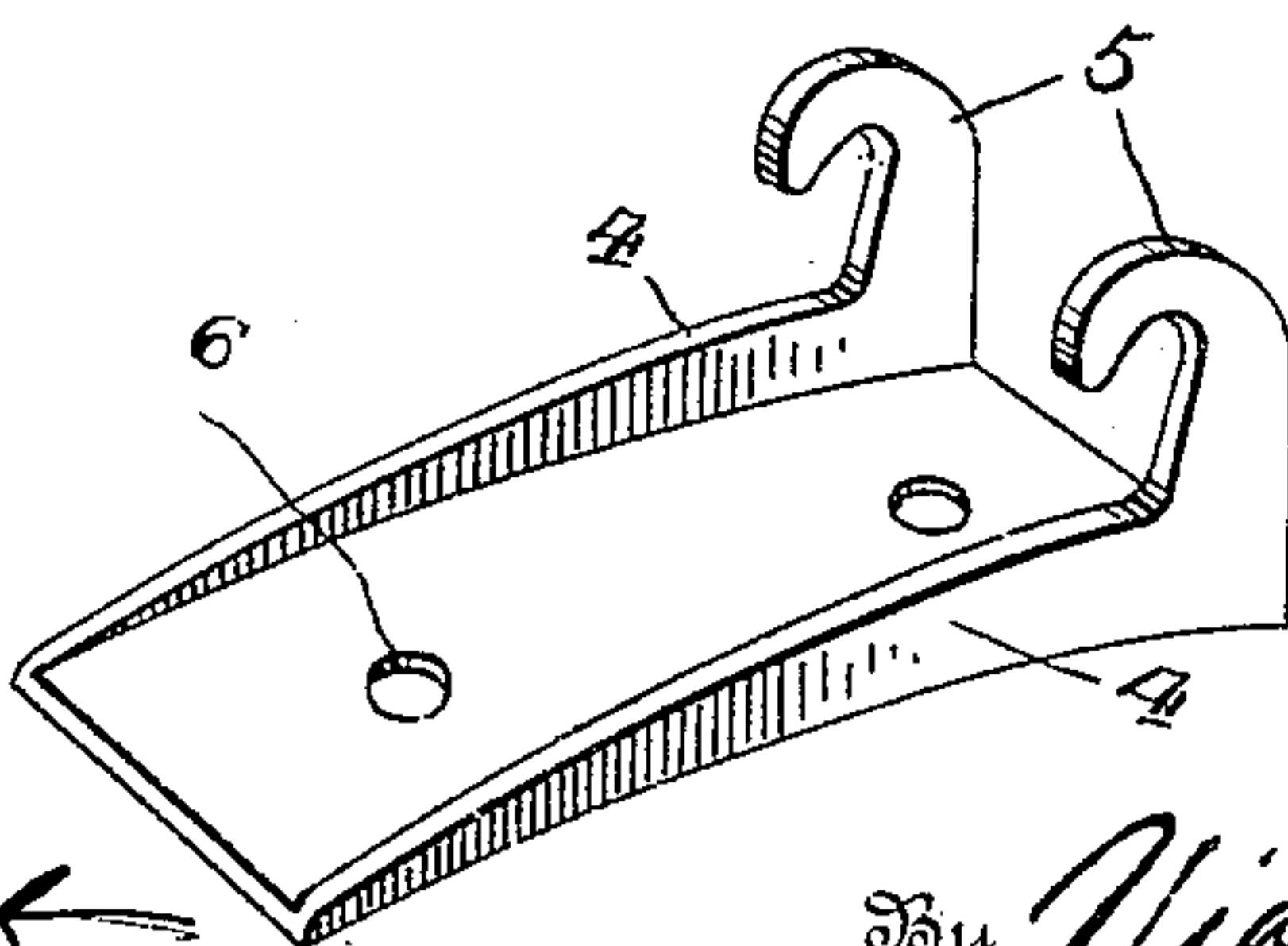


Fig. 3.



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COLLAR OR HAME FASTENER.

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To all whom it may concern:

Be it known that I, ADAM O. McNATTON, a citizen of the United States, residing at Columbus Junction, in the county of Louisa and State of Iowa, have invented new and useful Improvements in Collar or Hame Fasteners, of which the following is a specification.

This invention relates to horse collar or hame fasteners, and has for its object to provide for the ready attachment of the parts comprising the same to insure ease in the manipulation both when connecting and separating the device and to guard against accidental separation of the members when the device is in service.

With the above, and other objects in view, which will appear as the description progresses, the invention resides in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a fastener constructed in accordance with my invention, showing the members in their locked position. Fig. 2 is a similar view showing the members about to be brought into engagement with each other. Fig. 3 is a perspective view of the base plate. Fig. 4 is a similar view of the coupling member and lever plate to which it is connected.

The fastener comprises essentially three parts, being what I term the base plate 1, coupling member 2 and lever plate 3. The base plate 1 is constructed of any suitable metal and is of an arcuate formation, as clearly shown in the figures of the drawing, so that the same will readily conform to the shape of the meeting ends of a horse collar or the meeting ends of a pair of hames. The plate 1 has both of its longitudinal edges upturned to provide walls 4 and these walls are extended upwardly adjacent one of the ends of the plates to provide hooks 5. The body of the plate 1 is provided with a plurality of openings 6, the same being adapted for the reception of securing members whereby the plate is connected with the collar or hame. The lever plate 3 also has its body of an arcuate formation, corresponding with the base plate 1 and the said plate has its opposite longitudinal edges turned upwardly to provide walls 7. The forwardly projecting portions of these walls 7 are extended upwardly at an angle to provide the ears 8 and these ears 8 are each provided

with outwardly extending knobs 9, the same being adapted to engage with the curved walls of the hooks 5 when the members 3 and 1 are in the position illustrated in Fig. 1 of the drawings.

The plate 3 is provided between its walls 7 and adjacent its end opposite to that formed with the ears 8 with a transversely extending slot or opening 10. The walls upon each side of this opening 10 are provided with suitable alining holes, the same being adapted for the reception of a pintle 11 which is adapted to engage with an opening 13 provided within one end of the coupling member 2. This coupling member 2 is adapted to extend a suitable distance beyond the ends of the plates 1 and 3 and has its extremity formed with an elongated slot 14, whereby the said member 2 may be connected with one end of the hame or harness. The plate 3 is provided with a yieldable hand-hold 15, which is normally adapted to rest between the walls 7 of the said member 3 and which may be readily withdrawn therefrom to rotate the said plate upon its knobs or trunnions 9 within the hooks 5 of the member 1 when the members are to be assembled or to be removed.

By reference to Fig. 2 of the drawings, it will be noted that when the members are to be connected so as to secure the ends of the hames or collar, the knobs or trunnions 9 of the member 3 are first inserted within the hooks 5 of the member 1. The hand-hold 15 is then brought into use so as to rotate the member 3 upon its trunnions and to cause the arcuate face of the said member to lie between the walls 4 of the plate 1. It will be noted that this operation draws the coupling member and the portion of the hames or collar connected therewith so that the said ends securely and effectively engage with each other without danger of the same becoming accidentally removed.

It will be noted that all of the members comprising the fastener are of an arcuate formation and it will be observed that as pressure is exerted between the coupling member 2 and the base plate 1 the knobs or trunnions 9 will be caused to more tightly engage within the hooks 5 of the plate 1.

Having thus fully described the invention, what I claim as new is:—

In a fastener, a base plate, said base plate having its body of an arcuate formation and having its longitudinal edges provided

with walls, the offset walls adjacent one of the ends of the plate being extended upwardly and formed with hooks, a lever plate having its body of an arcuate formation 5 and its longitudinal edges also provided with walls, these walls being provided with ears adjacent one of the ends of the plates, knobs upon the ears adapted to be engaged by the hooks, a coupling member

pivotally connected with the lever plate, 10 and a flexible hand-hold for the lever plate.

In testimony whereof I affix my signature in presence of two witnesses.

ADAM O. McNATTON.

Witnesses:

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