

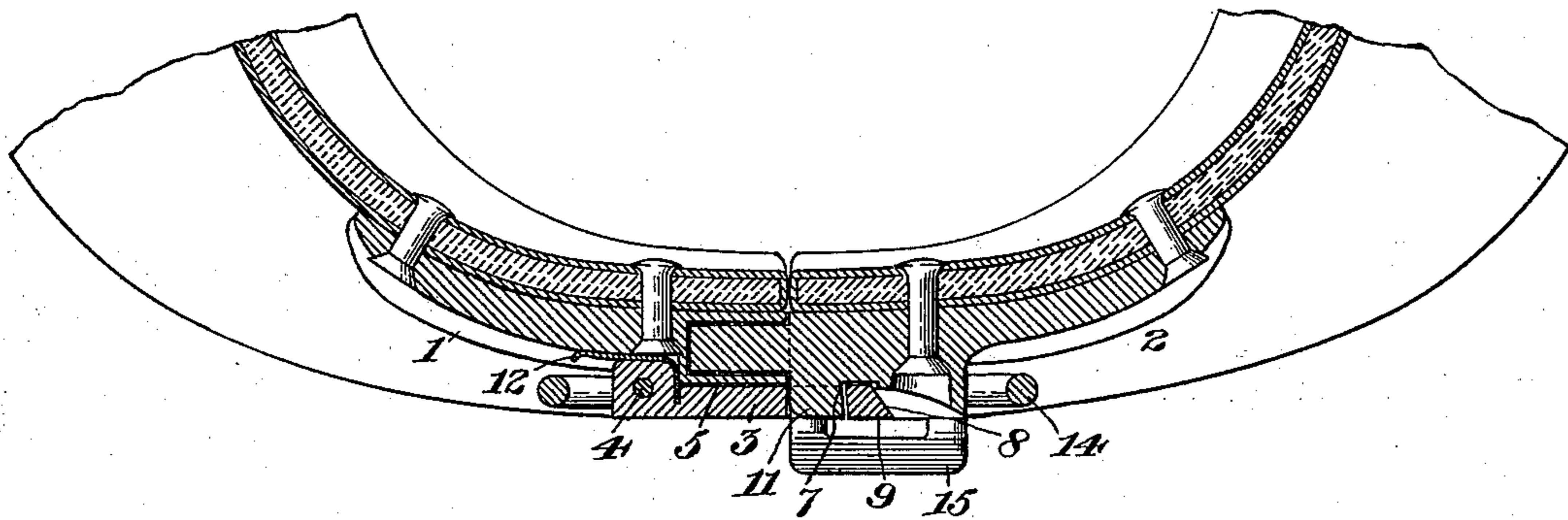
(No Model.)

P. M. PAULSON.  
HAME AND COLLAR FASTENER.

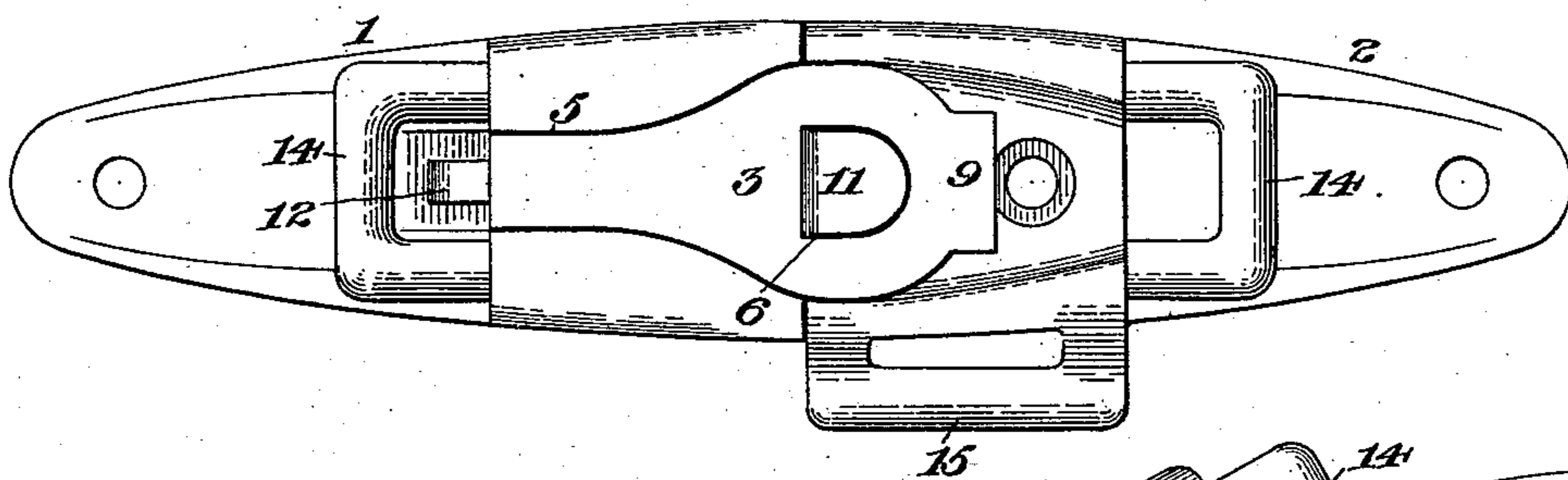
No. 548,761.

Patented Oct. 29, 1895.

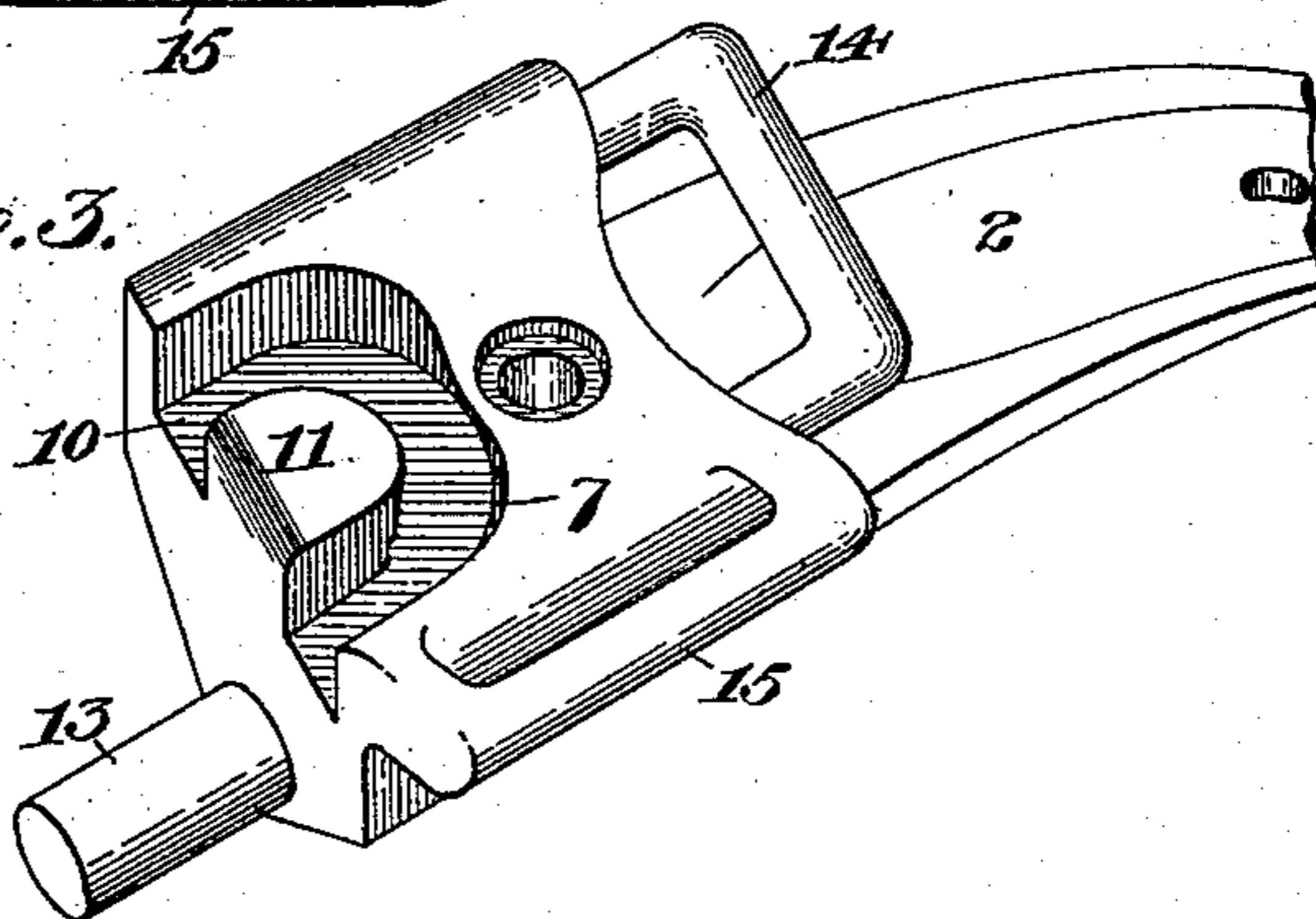
*Fig. 1.*



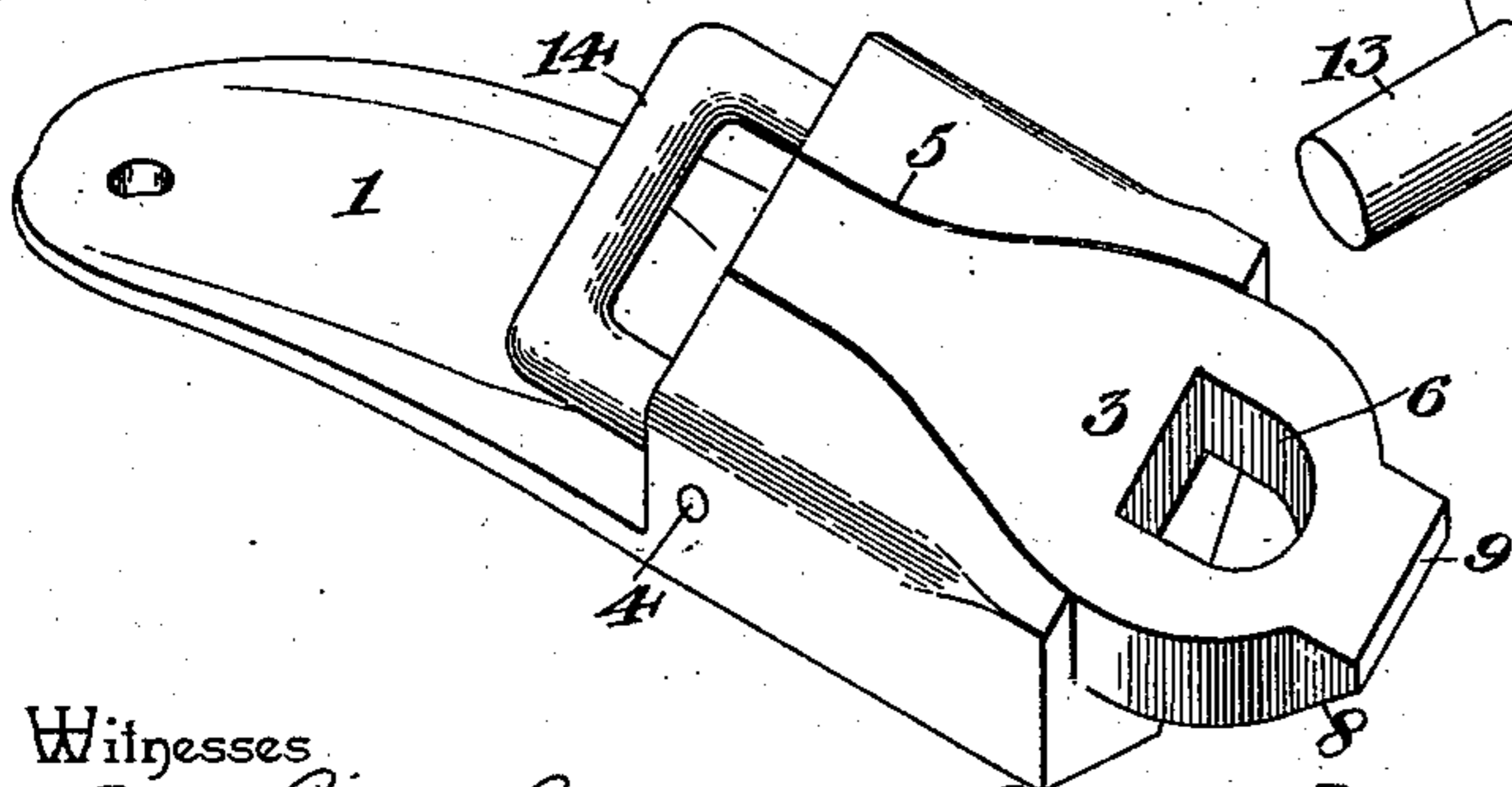
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Inventor

*Peter M. Paulson*

Witnesses

*A. W. Smith.*  
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By *his* Attorneys,

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# UNITED STATES PATENT OFFICE.

PETER MARTIN PAULSON, OF LE GRAND, IOWA.

## HAME AND COLLAR FASTENER.

SPECIFICATION forming part of Letters Patent No. 548,761, dated October 29, 1895.

Application filed April 15, 1895. Serial No. 545,756. (No model.)

*To all whom it may concern:*

Be it known that I, PETER MARTIN PAULSON, a citizen of the United States, residing at Le Grand, in the county of Marshall and State of Iowa, have invented a new and useful Hame and Collar Fastener, of which the following is a specification.

This invention relates to an improvement in hame and collar fasteners.

The objects of the present invention are to simplify and improve the construction of fasteners for collars and hames and to provide a novel form of device adapted to be applied to the lower adjacent ends of a horse-collar in such manner that said ends of the collar may be quickly and easily coupled or uncoupled when desired.

To this end the invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical section through the lower adjacent ends of a horse-collar with my improved fastening device applied. Fig. 2 is an enlarged bottom plan view of the improved fastener. Fig. 3 is a detail perspective view of one of the members of the fastening device. Fig. 4 is a similar view of the other member.

Similar numerals of reference indicate corresponding parts in the several figures of the drawings.

The improved collar and hame fastening device, which I will now proceed to describe, comprises two members, designated by the numerals 1 and 2, which may be cast or otherwise formed from brass, steel, or other metal, according to the desire of the manufacturer. These two members are each provided with two or more perforations which are adapted to receive rivets, by means of which they are secured to the abutting ends of a horse-collar. For convenience sake and in order to facilitate the engagement and disengagement of the abutting ends of the horse-collar the member 1 of the fastening device is preferably secured to the end of the collar on the right-hand side of the animal and the member 2 to the lower end of the left-hand side of the collar, as shown.

Pivotally connected with the member 1 is

a pivoted latch 3, which is provided with an enlarged and perforated end, as indicated, from which it tapers rearwardly, where it is pivotally mounted upon a pin 4, passing through aligned perforations in the body of the fastener and said latch. The socket 5, in which said latch is located, corresponds in shape and depth to the portion of the latch 3, which is located therein, so that the lower face of the body of the fastener and the latch will be flush and even. At its free end the latch is provided with a perforation 6, the inner wall of which at one side is inclined, as indicated at 7. The front edge of the latch 3 is also beveled off or inclined, as shown at 8, and is further provided with an extension or lip 9, by means of which said latch may be lifted.

The other member of the fastening device is grooved in its lower face, as shown at 10, thereby forming a socket for the reception of the free end of the latch 3, and also forming a spur or projection 11, adapted to enter the perforation 6 in the latch for holding the parts firmly together. The latch 3 is normally held in engagement with the projection or spur 11 by means of an actuating-spring 12, secured to the inner face of the pivoted latch 3 and bearing against the body of the fastening-plate member 1, as shown. In order to relieve the latch 3 from side strain, one of the parts of the device, preferably the member 2, is provided with a stout pin 13, projecting from its inner end adjacent to the member 1, and the latter member is provided with a socket or perforation adapted to receive said pin. This forms a stout connection between the two members of the device and takes considerable of the strain from the pivoted latch 3.

Each member of the device is further provided with a loop 14, said loops being furnished for the purpose of receiving the lower ends of straps attached to the hames. An additional loop 15, attached to the member 2 on the left-hand side of the collar, provides for the attachment of the backhold-strap, which extends backward to the girth.

In operation in order to fasten the collar around the animal's neck all that is necessary is to insert the pin 13 in the corresponding socket in the opposite member and push the two parts of the device together, when the

pivoted latch will automatically ride over the projection or spur 11 and spring into place around the same, thereby holding the lower ends of the collar together. When it is desired to loosen the collar, the thumb-nail or thumb is inserted under the lip 9 at the end of the pivoted latch, when the latter may be thrown out of engagement and the ends of the collar separated. By reason of the hame being attached to the collar by means of the straps and loops 14 referred to above it will be apparent that all that is required to unharness the horse is to unbuckle the crupper and girth, when the entire harness may be lifted from the horse and carried at one time to the rack, upon which it is hung. By means of the device described a horse can be harnessed or unharnessed in much less time than heretofore. The fastener is very simple and inexpensive and will be found very efficient and convenient in practice.

It will be apparent that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

30 1. A hame and collar fastener comprising two sliding members, one of which is provided with a pin and the other with a socket for the reception of said pin, a pivoted and spring actuated latch connected with one of

said members and having its swinging end rounded and apertured, and a projecting spur or catch formed on the other member by making a segmental groove or socket in the face of said member, said groove or socket corresponding in shape to and being adapted to receive the swinging end of the latch, substantially as described. 35 40

2. A hame and collar fastener, comprising two sliding members, one of which is formed with a stay pin and the other with a socket for the reception of said pin, a swinging latch pivoted at one end to one of said members and seated in a facial recess or groove therein so as to lie substantially flush therewith and projecting at its opposite end beyond the abutting end of said member, said latch being rounded at its swinging end and also beveled and apertured as described, and a catch projection on the opposing member adapted to enter the aperture of the latch, said projection being established by forming a segmental groove in said member corresponding to the shape of and adapted to receive the rounded swinging end of the pivoted latch, substantially as specified. 45 50 55 60

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

PETER MARTIN PAULSON.

Witnesses:

S. C. ROSLAND,  
ELIAS OLSON.