

(No Model.)

E. HARMON.
HALTER.

No. 417,638.

Patented Dec. 17, 1889.

Fig. 1.

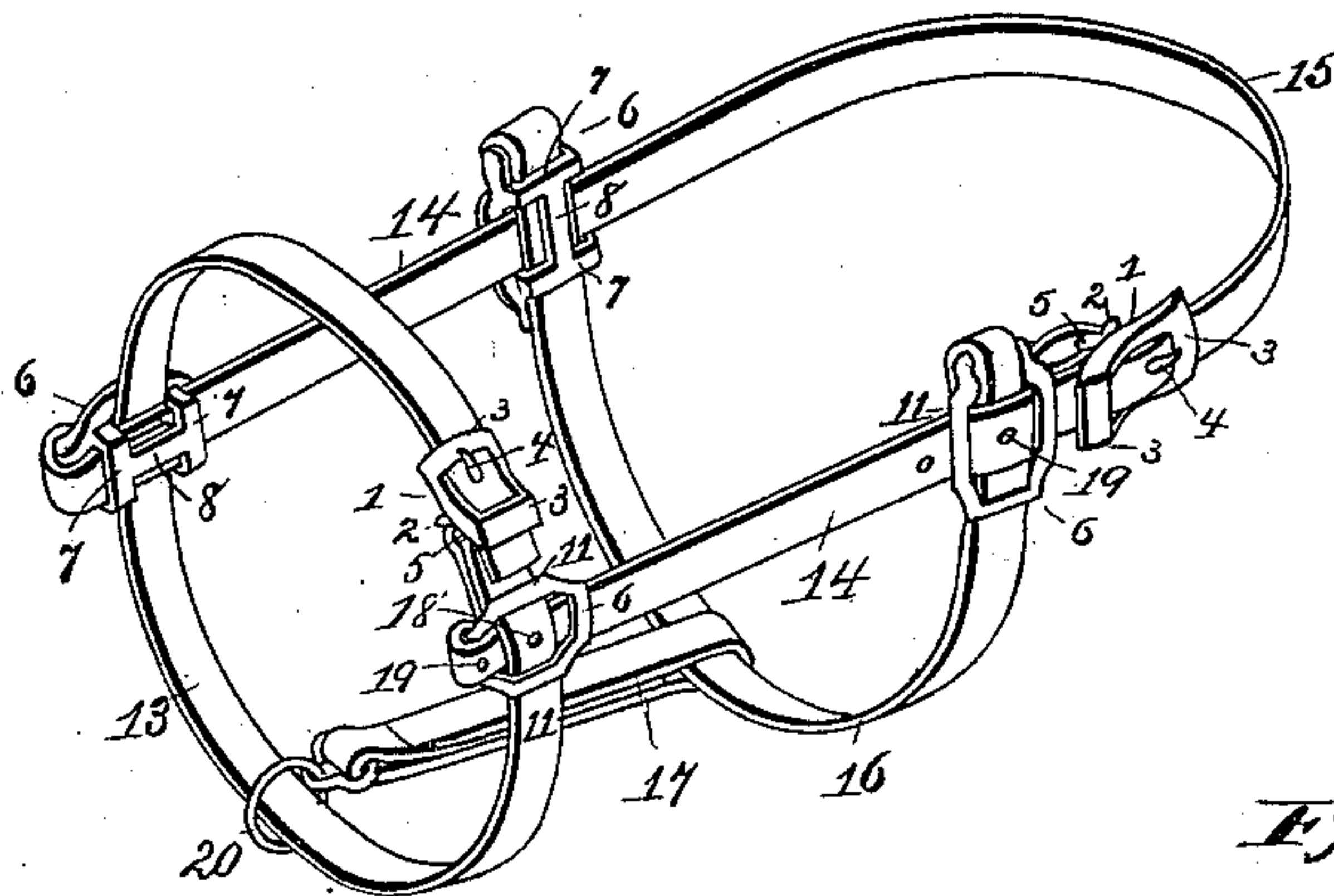


Fig. 2.

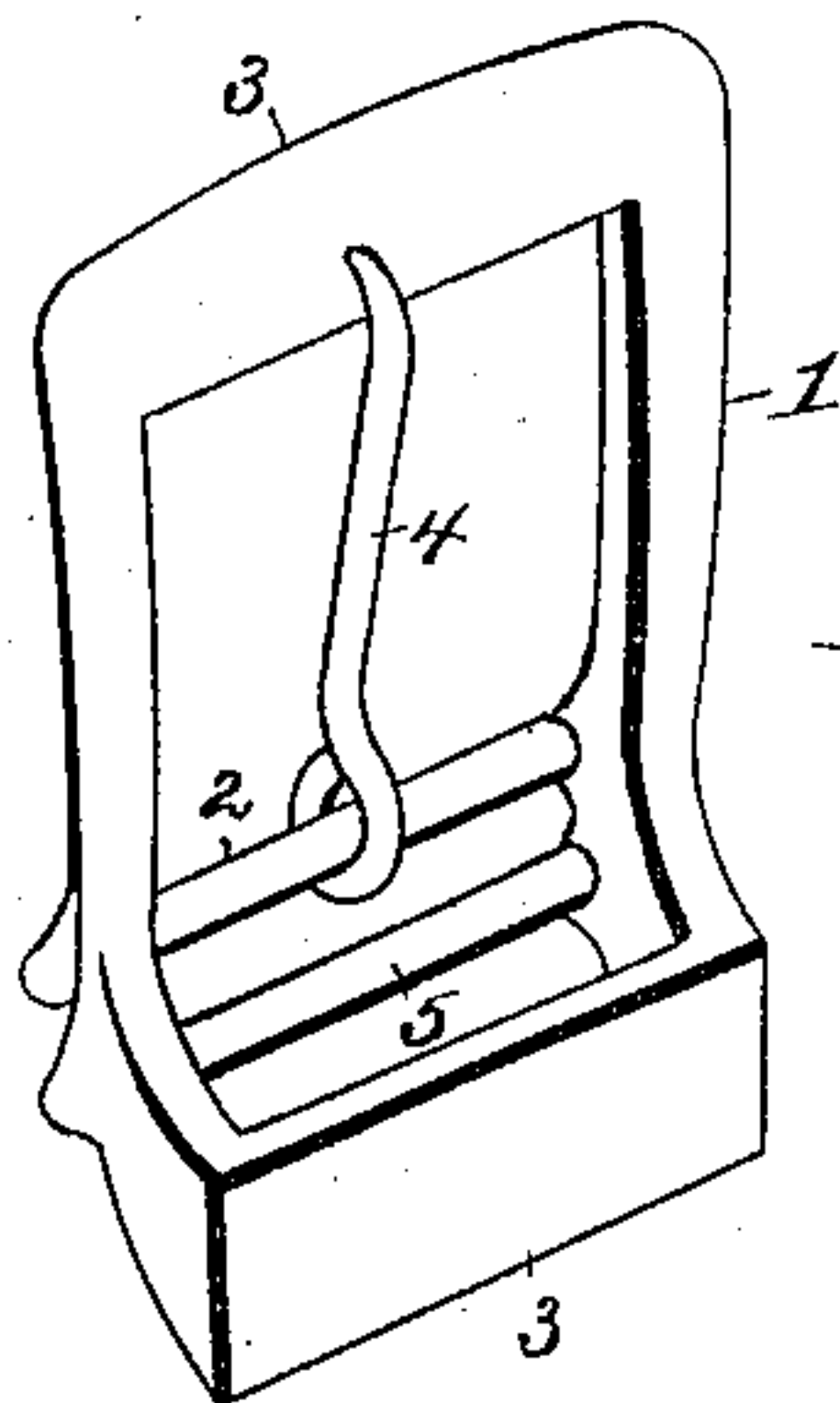


Fig. 4.

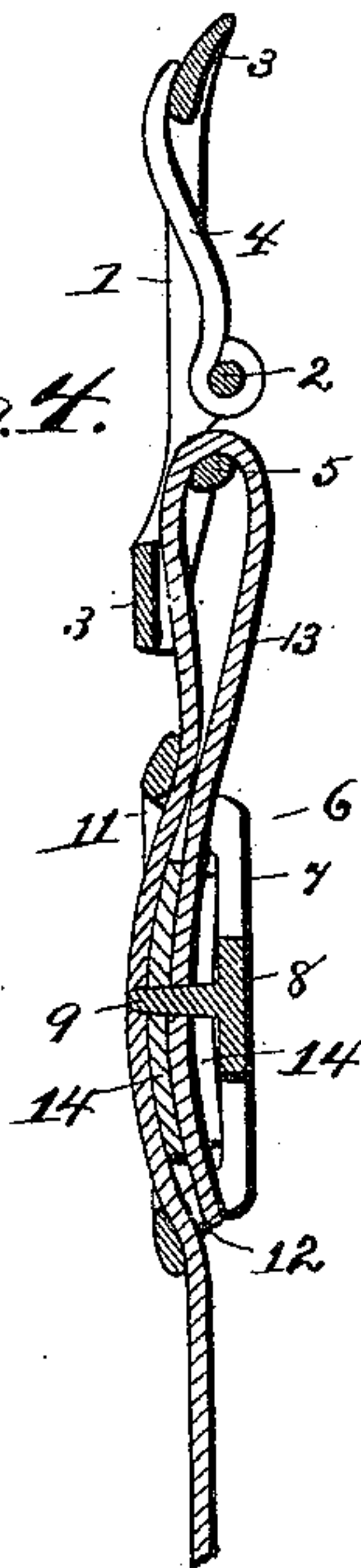
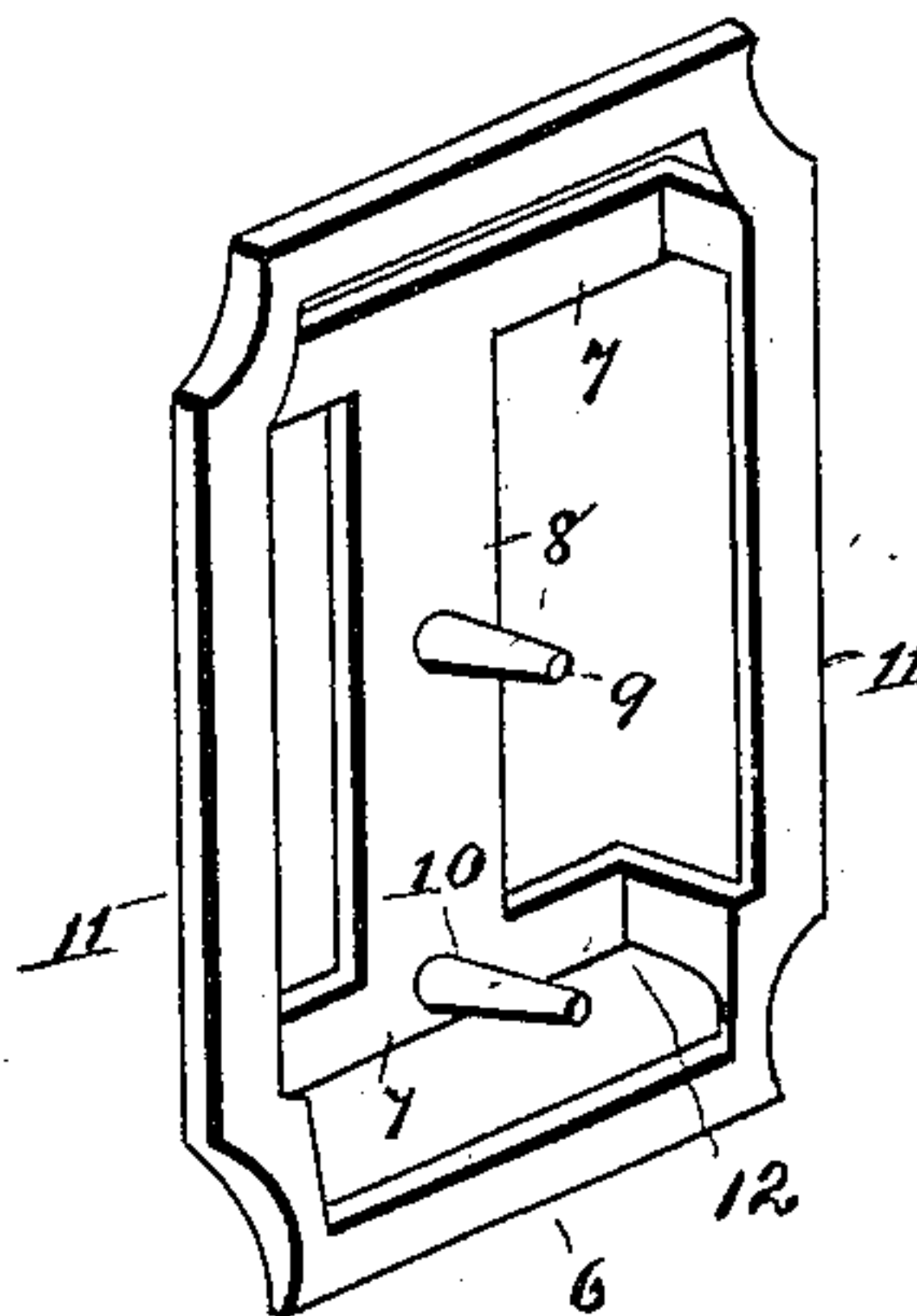


Fig. 3.



Witnesses

E. W. Mordeman
Wm. Bagger

Inventor

By *his* Attorneys, *Eugene Harmon*
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

EUGENE HARMON, OF RIPPEY, IOWA.

HALTER.

SPECIFICATION forming part of Letters Patent No. 417,638, dated December 17, 1889.

Application filed July 18, 1889. Serial No. 317,925. (No model.)

To all whom it may concern:

Be it known that I, EUGENE HARMON, a citizen of the United States, residing at Rippey, in the county of Greene and State of Iowa, have invented a new and useful Halter, of which the following is a specification.

This invention relates to halters; and it has for its object to construct a halter which shall be simple and durable, the ends of the straps of which shall be journaled without stitching or riveting, and which shall be capable of being adjusted to various sizes without cutting the straps of which it is composed.

With these ends in view the invention consists, mainly, in the improved construction of the connecting-pieces and buckles and the method of joining the straps, as will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of my improved halter. Fig. 2 is a perspective view of one of the buckles. Fig. 3 is a perspective view of one of the connecting-frames, and Fig. 4 is a sectional view taken through one of the buckles and the adjacent connecting-frame and the straps joined thereby.

Like numerals of reference indicate like parts in all the figures.

The buckle which is used in connection with my improved halter is composed of an approximately horizontal frame 1, having a cross-bar 2 lying below the level of the end bars 3 3 of said frame, and having the pivoted tongue 4, which is of the usual construction. Directly in rear of the cross-bar 2 the frame 1 is provided with an additional cross-bar 5, the purpose of which will be presently explained.

The frame which I use for connecting the straps of which the halter is composed at their points of intersection is composed of a rectangular body 6, provided near its ends with cross-bars 7 7, lying below the level of the end bars of said frame, and connected in turn by a longitudinal bar 8, having an upwardly-extending pin or stud 9. One of the cross-bars 7 is likewise provided with an upwardly-extending pin or stud 10. The under sides of the side bars 11 of the rectangular frame or body 6 have recesses 12, to accommodate the

strap, which is to pass transversely through the said frame.

The halter is composed of the nose-strap 13, the cheek-straps 14 14, one of which is extended so as to form the head-strap 15, the throat-latch 16, and the throat-strap 17, which connects the throat-latch with the nose-strap. One end of the nose-strap is looped around the cross-bar 5 of one of the buckles, and the ends of said strap are then passed transversely through one of the frames 6, and provided with perforations 18, adjusted upon the stud 9 of said frame. The long end of the nose-strap is likewise passed transversely through a frame 6, and provided with several perforations 19, by means of which the nose-strap is connected adjustably with the said frame. The free end of the nose-strap may then be connected with the buckle mounted in the loop at its opposite end. The lower ends of the cheek-straps are now passed longitudinally through the frames 6 6, attached to the nose-strap, preferably below the outer sides of said nose-strap, and the projecting ends of said cheek-straps are folded back between the lower ends of the frames 6 and the adjacent cross-bars 7, and provided with perforations adjusted upon the pins or studs 10 of said cross-bars. Additional frames 6 6 are adjusted upon the upper ends of the cheek-straps, which are connected in like manner with the ends of the throat-latch, and the end of the short cheek-strap is doubled upon itself or looped over the cross-bar 5 of a buckle, which is thus attached to the said cheek-strap and ready to be connected with the extended end or head-strap 15 of the opposite cheek-strap. The throat-strap 17 has a ring 20 suitably attached to its lower end and encircling the nose-strap, and the upper end of said nose-strap is looped around and permanently attached to the throat-latch.

As will be seen from the foregoing description, the straps composing my improved halter are connected by means of the herein-described connecting-frames without the use of stitching or riveting, and the buckles are likewise connected to the said straps by means of the cross-bars 5, without necessity for cutting and thereby weakening the straps. It is obvious that by properly adjusting the

straps in their respective frames they may be adjusted to any desired size without necessity for cutting the straps, and thus preventing the possibility of the halter being again enlarged.

The construction of the device is simple and inexpensive, and the halter embodying my improvements will be found to be useful and efficient.

10 Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

15 The herein-described halter, comprising the nose-strap, the cheek-straps, one of which is extended so as to form the head-strap, the throat-latch, and the throat-strap, the connecting-frames mounted upon the cheek-straps at the intersection of the latter with the nose-strap and with the throat-latch, said

connecting-frames comprising each a rectangular body 6, provided near its ends with cross-bars 7 7, lying below the end bars of said frame and connected by a longitudinal bar 8, having outwardly-extending pins or studs 9 10, and the buckles connecting, respectively, the ends of the two cheek-straps and the two ends of the nose-strap, each of said buckles being provided with a cross-bar 5 in rear of the cross-bar 2, having the pivoted tongue 4, substantially as and for the purpose set forth.

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

EUGENE HARMON.

Witnesses:

D. HARMON,

L. HARMON.