

J. WITTNER.

HAME.

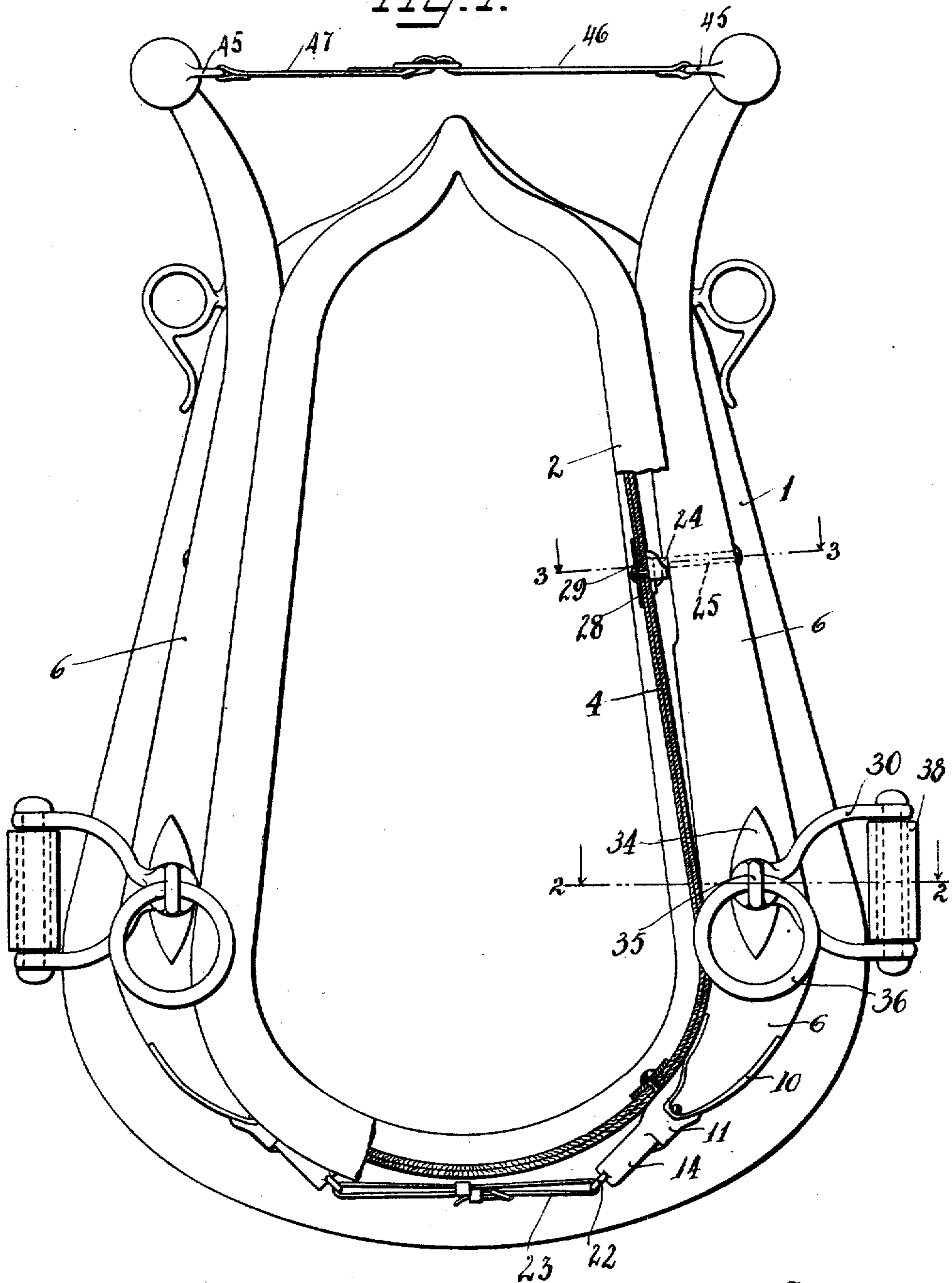
APPLICATION FILED FEB. 6, 1908.

914,689.

Patented Mar. 9, 1909.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses:
S. Petri-Palmedo.
Otto Brauer

Inventor
John Wittner
By *h* Attorney
Max S. Ordman

J. WITTNER.
HAME.
APPLICATION FILED FEB. 8, 1908.

914,689.

Patented Mar. 9, 1909.

2 SHEETS—SHEET 2.

Fig. 2.

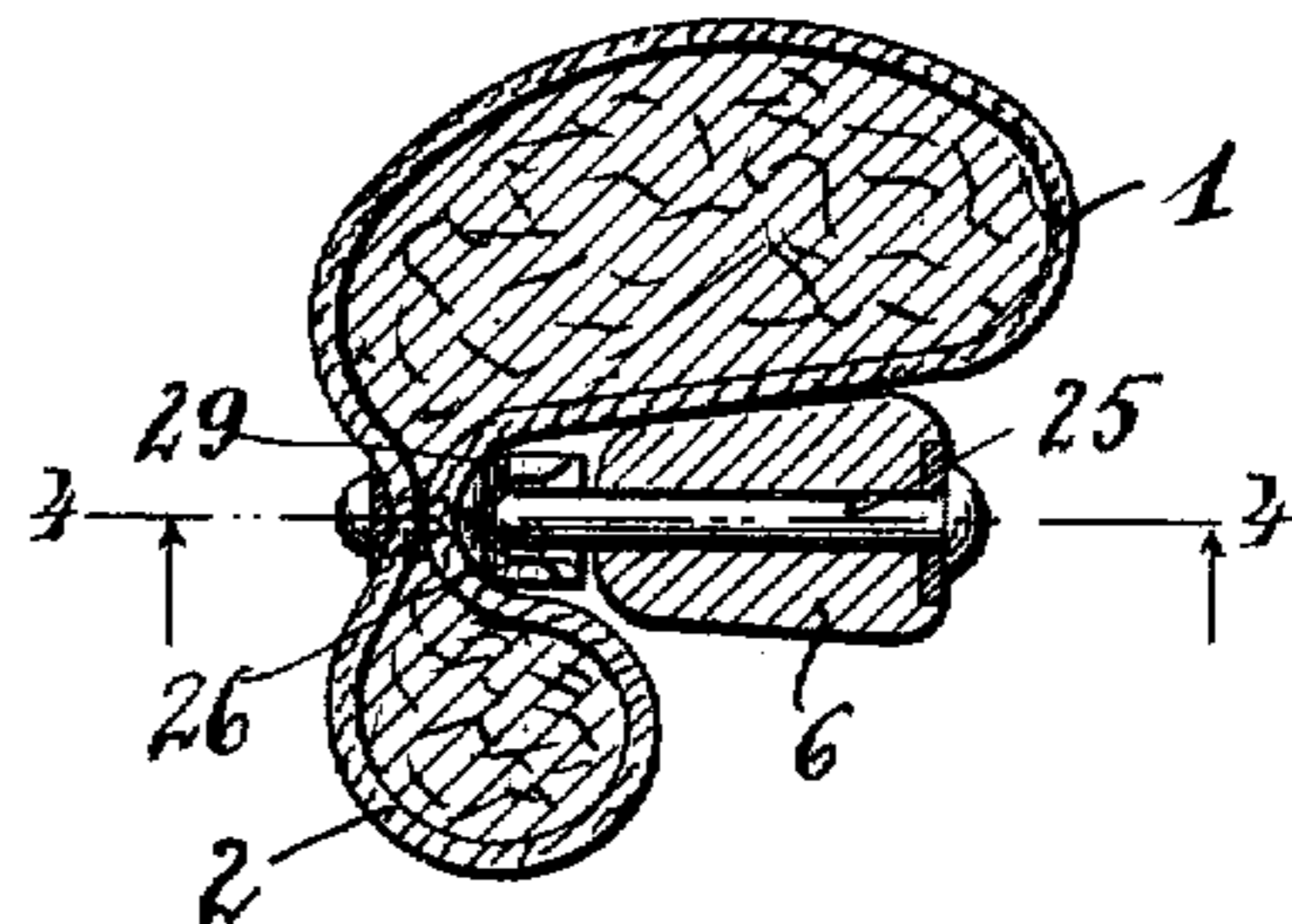


Fig. 3.

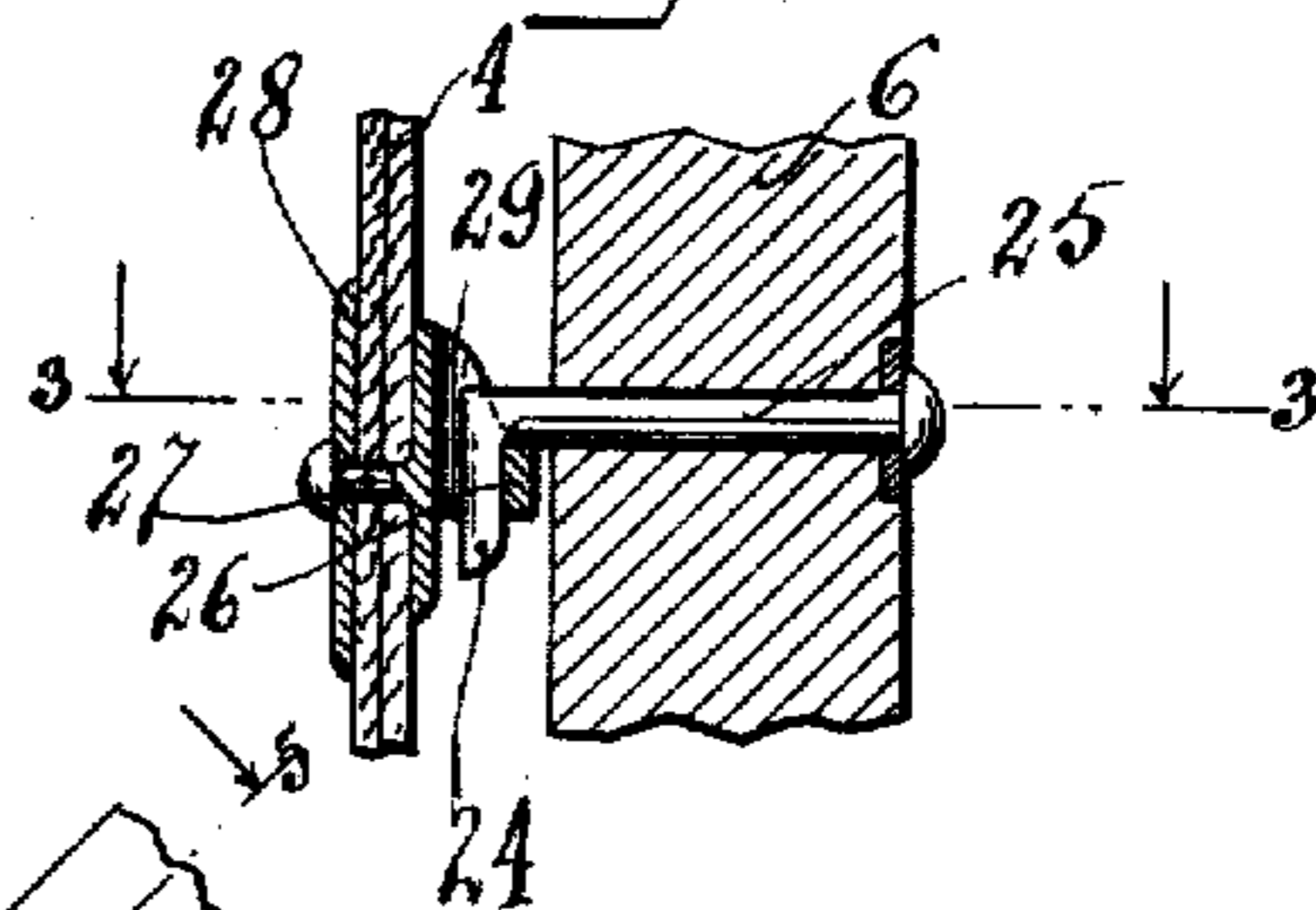


Fig. 4.

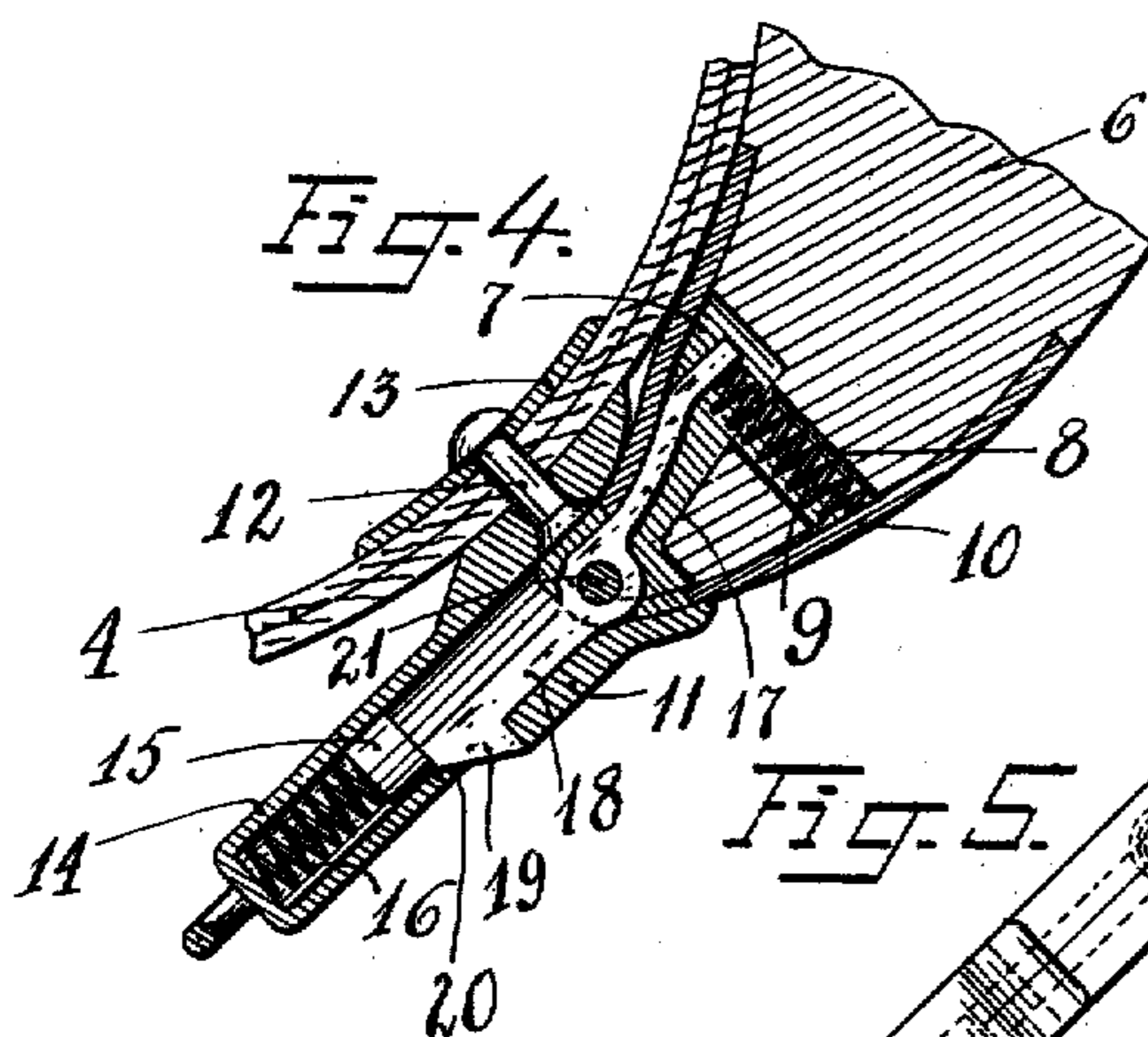
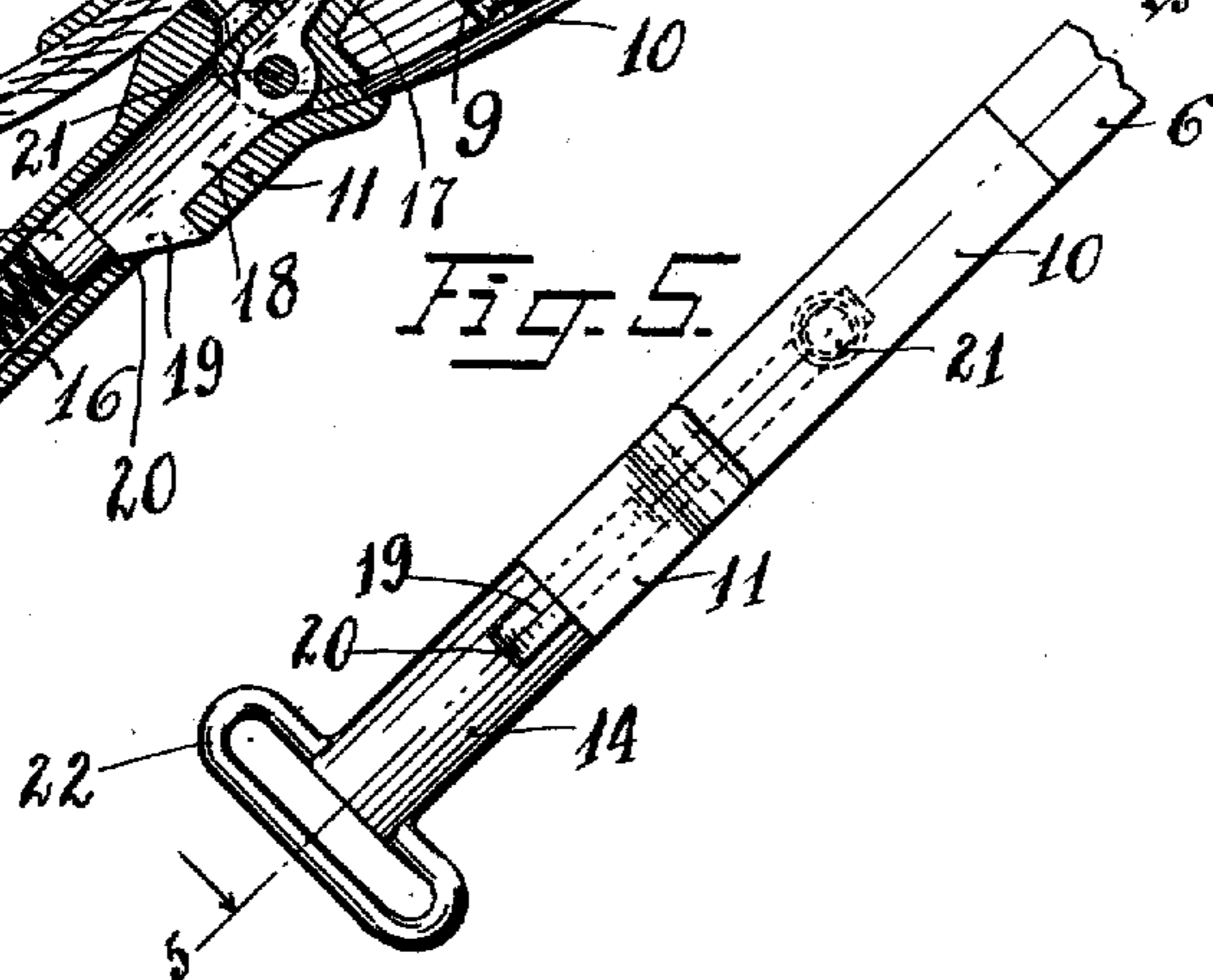


Fig. 5.



Witnesses:
S. Pedro Palumbo.
Chas. Brown.

Inventor
John Wittner
By his Attorney
Max S. Oldeman

UNITED STATES PATENT OFFICE.

JOHN WITTNER, OF HOBOKEN, NEW JERSEY.

HAME.

No. 914,689.

Specification of Letters Patent.

Patented March 9, 1909.

Application filed February 6, 1908. Serial No. 414,544.

To all whom it may concern:

Be it known that I, JOHN WITTNER, a citizen of the Republic of Switzerland, and a resident of Hoboken, county of Hudson, State of New Jersey, have invented certain new and useful Improvements in Hames, of which the following is a specification.

The present invention relates to harnesses and particularly to the means for receiving the draft or other strain which includes the hame and the trace attachment.

The object of my invention is to provide a hame which can be readily attached to or removed from the collar.

My invention is illustrated in the accompanying drawings in which similar reference figures denote corresponding parts and in which—

Figure 1 is a front elevation of the hame which is shown as attached to the collar, a part of the collar being shown in vertical section; Fig. 2 is a cross section on line 3—3 of Figs. 1 and 3; Fig. 3 is a cross section on line 4—4 of Fig. 2; Fig. 4 is a longitudinal section on line 5—5 of Fig. 5, and Fig. 5 is a bottom view of the lower fastening means of the hame.

In the accompanying drawings 1 denotes the body part of the collar and 2 the bead located at the front and forming a groove 3. These parts are of ordinary form and construction, having any ordinary filling as hair or the like, and provided with a web 4 which is arranged between the bead 2 and the body part 1 of the collar.

The hame consists of the ordinary bows 6, 6 which are of similar construction. For that reason it will suffice to describe one of said bows only, it being understood that the description equally applies to both bows.

The bow 6 may be made of any desired material, as wood or the like. The lower part of the bow is recessed as at 7, and provided with a transversal bore 8 which is adapted to bear a spiral spring 9. Mounted around that recessed part of the bow and the outer end of the bore is a band 10 of suitable material, the outer end of the spring being adapted to rest against the inner surface of the outer portion of said band. Secured to the web 4 of the collar by a rivet or bolt 12 and a stiffening plate or washer 13 is a socket 11 which is arranged in extension of the lower portion of the bow and having an open end which registers with the recessed portion 7 of the bow. The opposite closed end 14 of

the socket is tubular and contains a plunger 15 actuated by a spring 16. The side surface of the tubular portion 14 of the socket is provided with an opening 20. Pivoted at 21 in the recessed portion of the bow is a latch 17, 18 the arm 17 of which extends into the recessed portion of the bow and is adapted to rest upon the spring 9. The opposite arm 18 is provided with a nose 19 which is adapted to engage with the opening 20 of the tubular portion of the socket. When thus engaged the plunger 15 will, by its close contact with the nose 19 of the latch, prevent any rattling by reason of slackness of the parts.

The tubular portion of the socket is provided with a loop or eye 22 for the attachment of a strap 23 by means of which the ends of the sockets of the two bows of the hame can be united, allowing of the bows being adjusted to accommodate them to different dimensions of the collar.

At about the central portion of the bow there is a hook 24 the shank 25 of which extends transversely through the bow and is suitably secured thereto. Opposite the hook 24 an eye 26 is suitably secured to the web 4 of the collar, as by means of a rivet or bolt 27 extending through said web and a metal stiffening plate 28. The hook of the bow is adapted, when the latter is placed in proper position, to engage the said eye. In order to prevent the hook from injuring the body of the collar, the eye is provided with a projecting flange 29. The upper ends of the bows are united as ordinarily by straps.

The mode of operation of the fastening means of the hame is as follows: To the loops 45 at the upper ends of the bows straps 46, 47 are attached which can be adjustably united so as to tighten or slacken the hame around the collar to vary the width of the collar. After the adjustment of the bows in the groove 3 of the collar the nose 19 of the latch 17, 18 is brought into engagement with the opening 20 of the socket. At the same time the hook 24 at the central portion of the bow comes to register and to engage the eye 26. In order to unfasten the bows a pressure is exerted upon the nose 19 of the latch, disengaging it from the socket. The plunger 15 acting upon the latch will push the bow 6 upward loosening it from the collar, whereupon the same can be removed.

The new hame has the advantage over the hitherto known constructions that it allows of a quick hitching and unhitching, and fur-

thermore that it is securely held in position upon the collar and will be thus prevented from slipping.

I do not limit myself to the plunger thus engaged in the socket but contemplate any construction which may facilitate the movement of the latch.

What I claim and desire to secure by Letters Patent is:

1. The combination with a collar of a hame, comprising a pair of bows, a spring latch at the lower end of each bow, and means secured to the collar for the engagement of said latches.

2. The combination with a collar of a hame, comprising a pair of bows, a spring latch at the lower end of each bow, and sockets secured to the collar for the engagement of said latches.

3. The combination with a collar of a hame, comprising a pair of bows, a spring latch at the lower end of each bow, means secured to the collar for the engagement of said latches and means for removably securing the upper ends of the bows to the collar.

4. The combination with a collar of a hame, comprising a pair of bows, a spring latch at the lower end of each bow, a pair of sockets secured to the collar for the engagement of said latches, hooks in the upper ends of said bows, and eyes projecting from the collar for the engagement of said hooks.

5. The combination with a collar, of a hame, comprising a pair of bows, spring latches at the lower ends of the bows,

sockets secured to the collar and having openings for the engagement of said latches, and spring actuated plungers in said sockets acting against said latches.

6. The combination with a collar, of a hame, comprising a pair of bows, hooks transversely passed through said bows and secured thereto, eyes secured to the collar and provided with protecting flanges, said eyes being adapted to engage the said hooks, and means for removably securing the lower ends of the bows to the collar.

7. The combination with a collar, of a hame, comprising a pair of bows, spring actuated latches at the lower ends of said bows, sockets secured to the collar in extension of the ends of the bows, and having openings for the engagement of said latches, and means for yieldingly connecting the adjacent ends of the opposite sockets.

8. The combination with a collar, of a hame, comprising a pair of bows, the lower ends of said bows being recessed, spring actuated latches pivoted in said recessed ends, a band embracing opposite edges of each bow and said recessed end, sockets secured to the collar in extension of said ends and having openings for the engagement of the latter.

Signed at Hoboken N. J. this 4th day of February, 1908.

JOHN WITTNER.

Witnesses:

ALBERT S. SCHILLER,
ABRAHAM FINE.