

No. 759,200.

PATENTED MAY 3, 1904.

G. H. SLATTERY.
HORSE RELEASER.

APPLICATION FILED SEPT. 29, 1903.

NO MODEL.

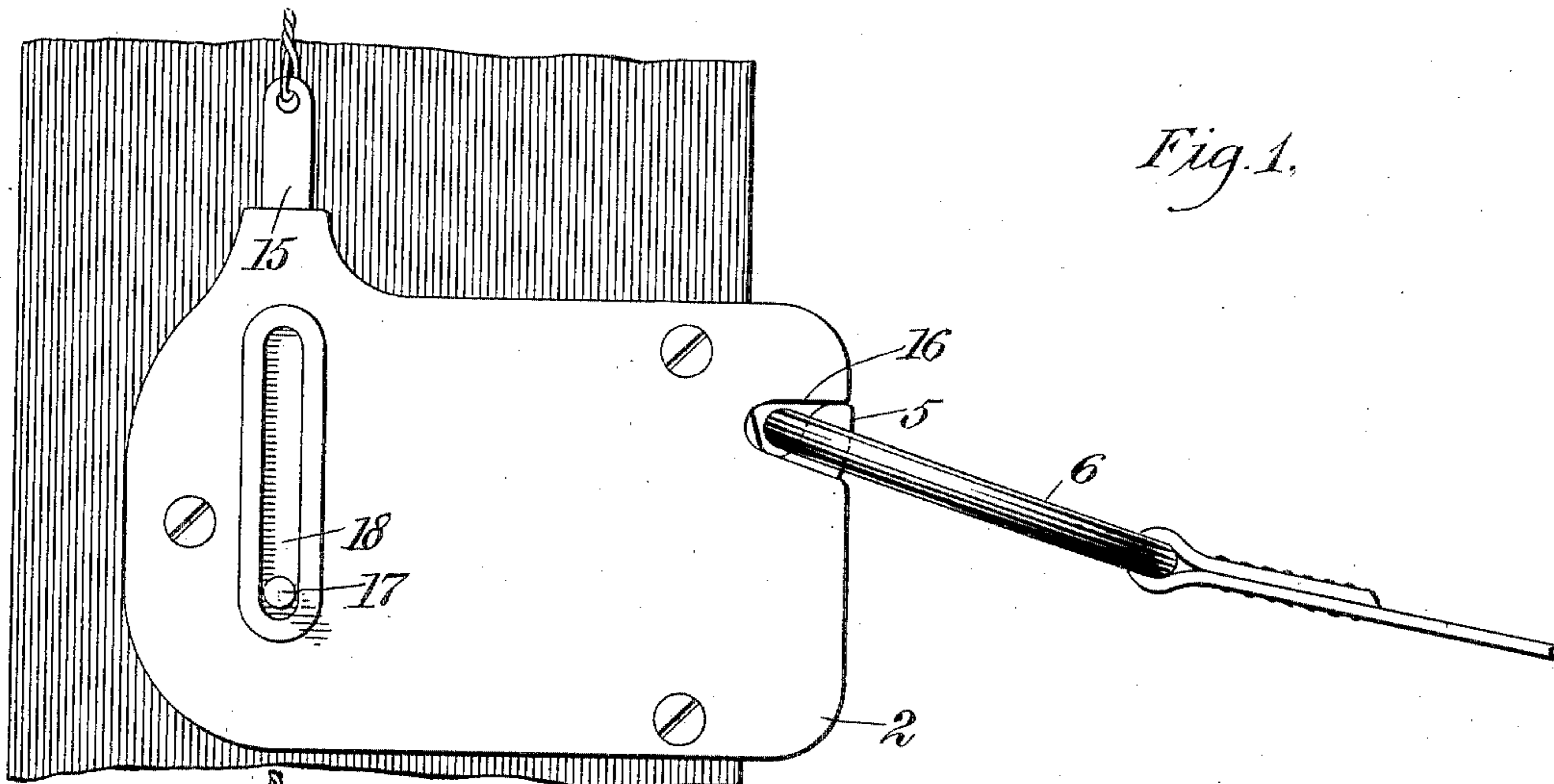


Fig. 1.

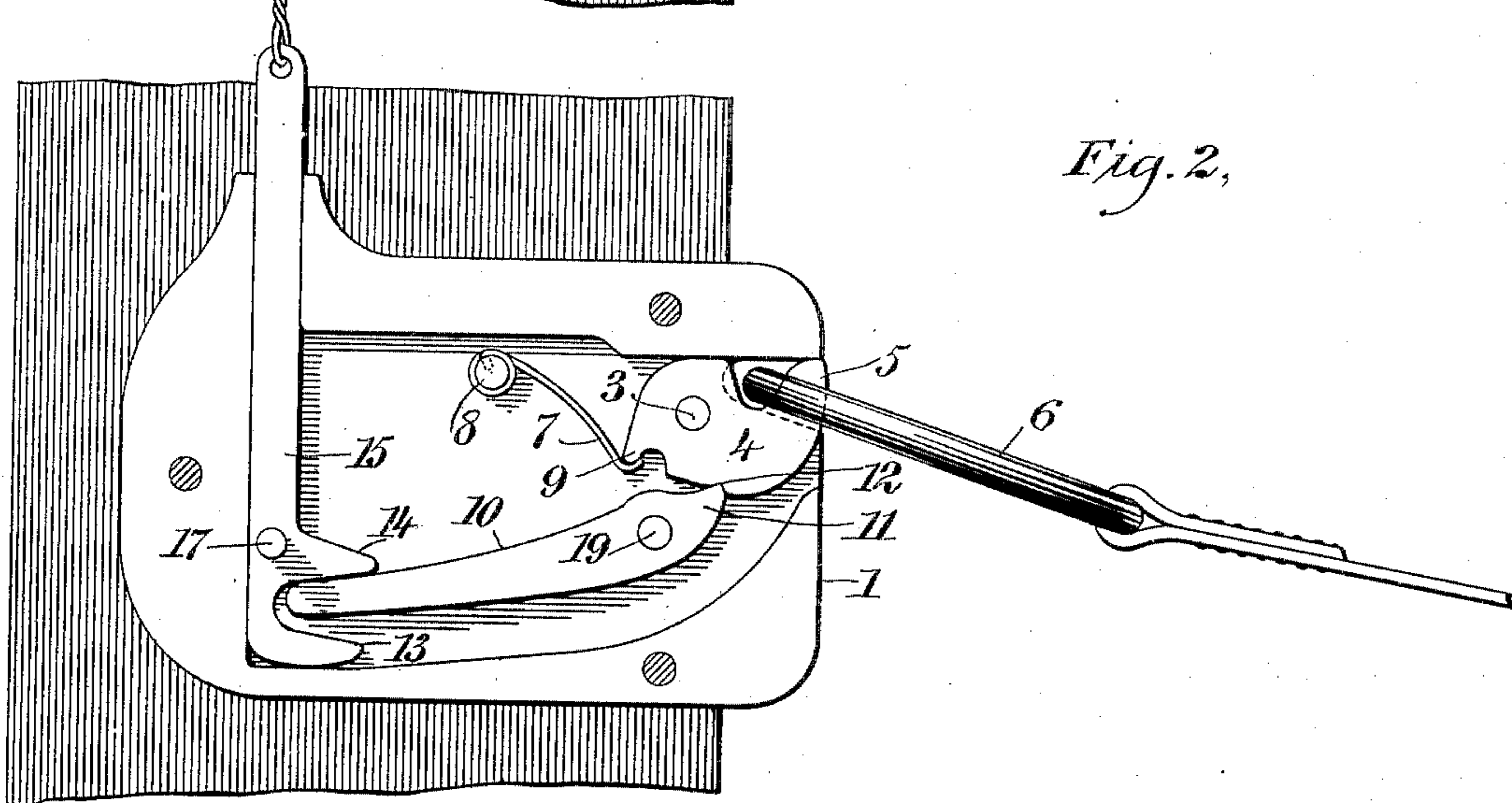


Fig. 2.

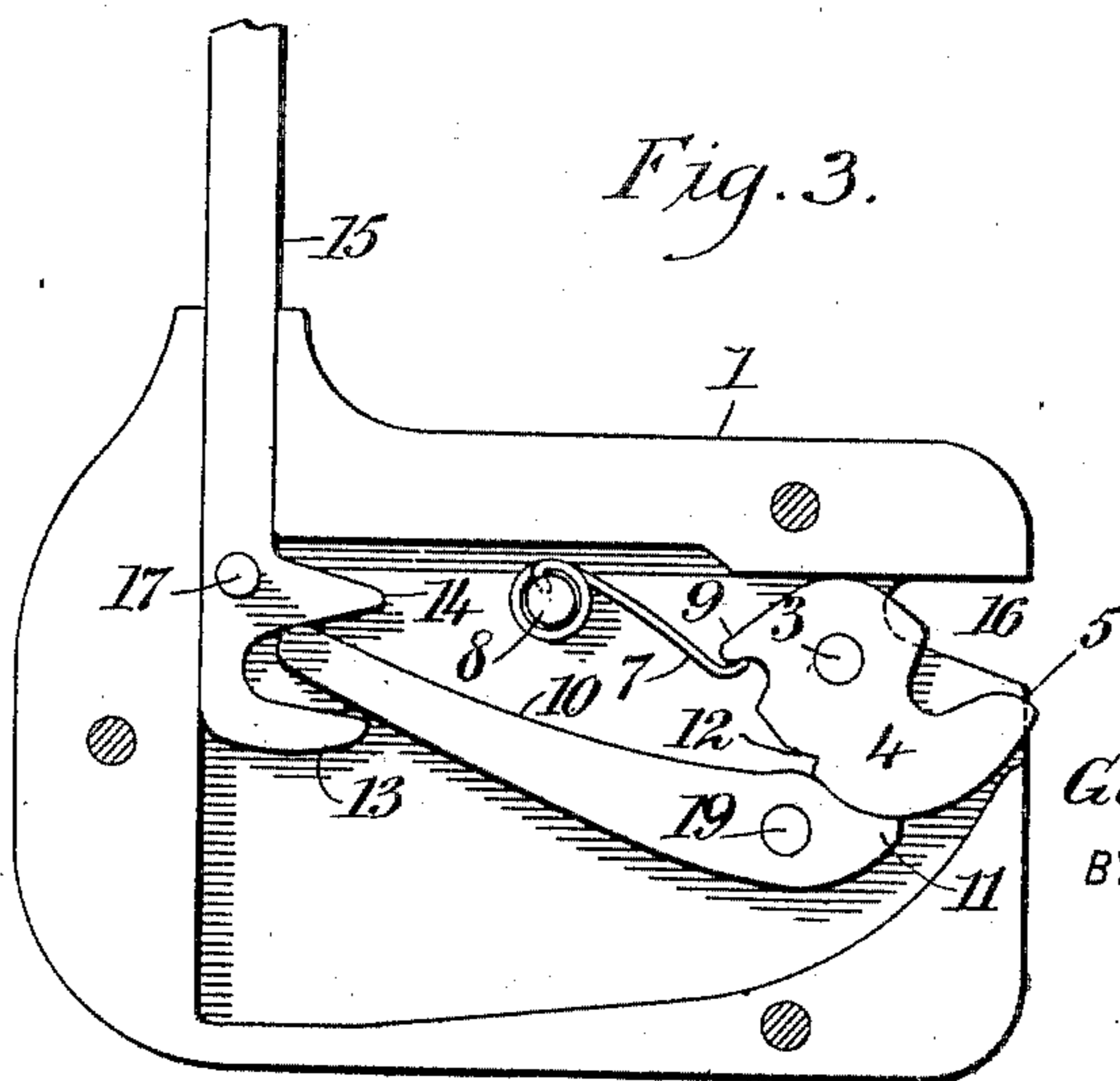


Fig. 3.

WITNESSES:

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GEORGE HENRY SLATTERY, OF JACKSONVILLE, FLORIDA, ASSIGNOR OF ONE-HALF TO THOMAS W. HANEY AND HARRY AIKEN, OF JACKSONVILLE, FLORIDA.

HORSE-RELEASER.

SPECIFICATION forming part of Letters Patent No. 759,200, dated May 3, 1904.

Application filed September 29, 1903. Serial No. 175,022. (No model.)

To all whom it may concern:

Be it known that I, GEORGE HENRY SLATTERY, a citizen of the United States, and a resident of Jacksonville, in the county of Duval and State of Florida, have invented a new and Improved Horse-Releaser, of which the following is a full, clear, and exact description.

This invention relates to improvements in devices for automatically releasing fire-department, fire-patrol, and police-patrol horses upon the sounding of an alarm, the object being to provide a releaser that can be manufactured at a comparatively low cost, having few parts liable to get out of order, and that will operate with absolute certainty.

I will describe a horse-releaser embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of a horse-releaser embodying my invention, and Figs. 2 and 3 are side views with the casing face-plate removed to show the different positions of the parts.

The casing comprises a box-like portion 1 and a face-plate 2, secured to the part 1 by means of screws, and these screws will also serve to secure the complete device to the side wall of a stall or other support near the front of the stall. Mounted to swing on a stud 3 in the casing is a tumbler 4, having a hook portion 5 at its outer end, with which the tie-strap ring 6 is designed to engage. This hook portion, with the upper member of the casing, forms, substantially, a closed eye when the parts are together, preventing any possibility of the ring being accidentally detached. The tumbler is held in its rein-engaging position by means of a spring 7, attached to a stud 8 in the casing and engaging its free end with a lug 9 at the inner end of the tumbler and at its lower edge. An operating-lever 10 in the casing has its forward end 11 curved upward to engage in a notch 12 in the lower edge of the tumbler. The inner end of the lever 10 is extended between fingers 13 14 on the lower end of a re-

leasing-bar 15, mounted to slide in the casing and having a portion extended outward through an opening in the top wall of the casing. This bar 15 is designed to be connected by a wire or otherwise to an automatically-operating mechanism for sliding said bar outward. This automatically-operating mechanism may be controlled by the alarm-gong, and it may consist of an electromagnet with a suitable armature.

When the parts are in the position indicated in Figs. 1 and 2, the animal will be secured to the releaser. When the bar or rod 15 is drawn outward or upward by the mechanism, as before indicated, the finger 13 by engaging the under side of the lever 10 will rock the same, disengaging the end 11 from the notch 12. Then the spring 7 will rock the tumbler to the position indicated in Fig. 3, releasing the ring 6, which will slide down the bottom inclined walls of the notches 16 in the casing. For relocking the device or for releasing it manually the rod or bar 15 is provided with a pin 17, which extends into a slot 18, formed in the face-plate of the casing. It will be noted that the pivot 19 for the lever 10 is slightly inward of the vertical plane of the pivot for the tumbler. By this arrangement the lever cannot be manipulated to disengage it from the notch 12 by drawing pressure on the hook 5, and therefore there is no possibility of a horse releasing himself.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A horse-releaser comprising a casing, a spring-pressed tumbler in said casing and having a hook portion, a lever having an end portion curved upward, the said tumbler being provided at its lower edge with a notch to receive said end portion, and means for rocking the lever out of engagement with the tumbler.

2. A horse-releaser comprising a casing having notches at the inner ends of its outer walls, a tumbler mounted to swing in the casing and having a hook portion for projecting across the plane of said notches, a spring for removing the tumbler to releasing position, a lever for holding the tumbler in closed position, and means for actuating said lever.

3. A horse-releaser comprising a casing, a
tumbler arranged in the casing and having a
hook portion, a spring for moving the tumbler
in one direction, the said tumbler having a
5 notch in its lower edge, a lever having an up-
wardly-turned end for engaging in said notch,
the pivotal point of said lever being inward
of a vertical line through the pivot for the
tumbler, a draw-bar movable in the casing,
10 and fingers extended from said draw-bar for
receiving the end of said lever between them.

4. A horse-releaser comprising a casing, a
spring-pressed tumbler arranged in the casing

and having a hook portion, a locking-lever
for said tumbler, a draw-bar for operating 15
said lever, and an upwardly-extended pin on
said draw-bar, the outer face-plate of the said
casing being provided with a slot for receiv-
ing said pin.

In testimony whereof I have signed my name 20
to this specification in the presence of two sub-
scribing witnesses.

GEORGE HENRY SLATTERY.

Witnesses:

FRANCIS O. NICHOLS,
JAS. W. SPRATT.