

No. 834,237.

PATENTED OCT. 30, 1906.

J. B. ADAMS, JR.
WIRE STRETCHER.

APPLICATION FILED MAR. 12, 1906.

2 SHEETS—SHEET 1.

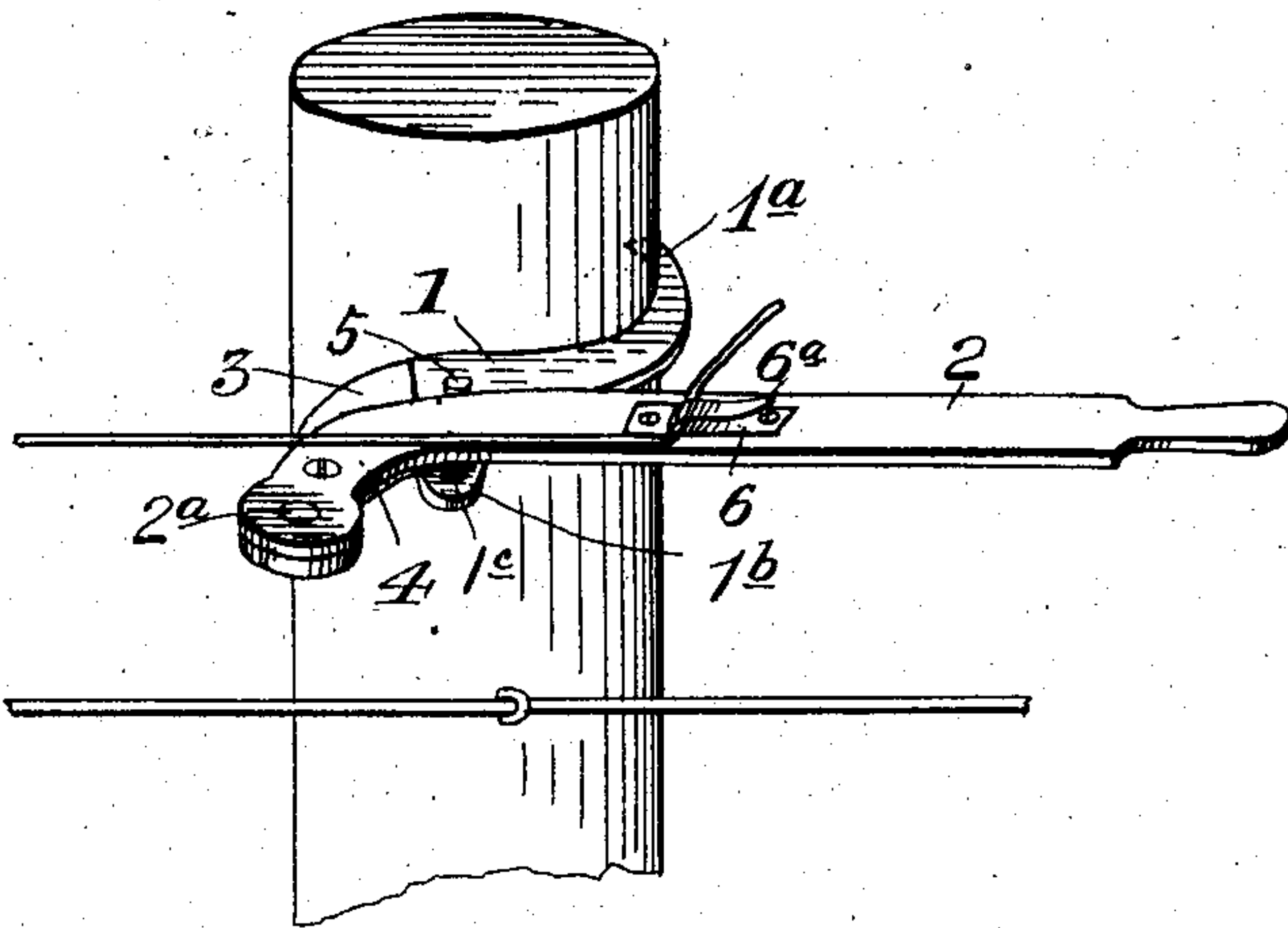


Fig. 1.

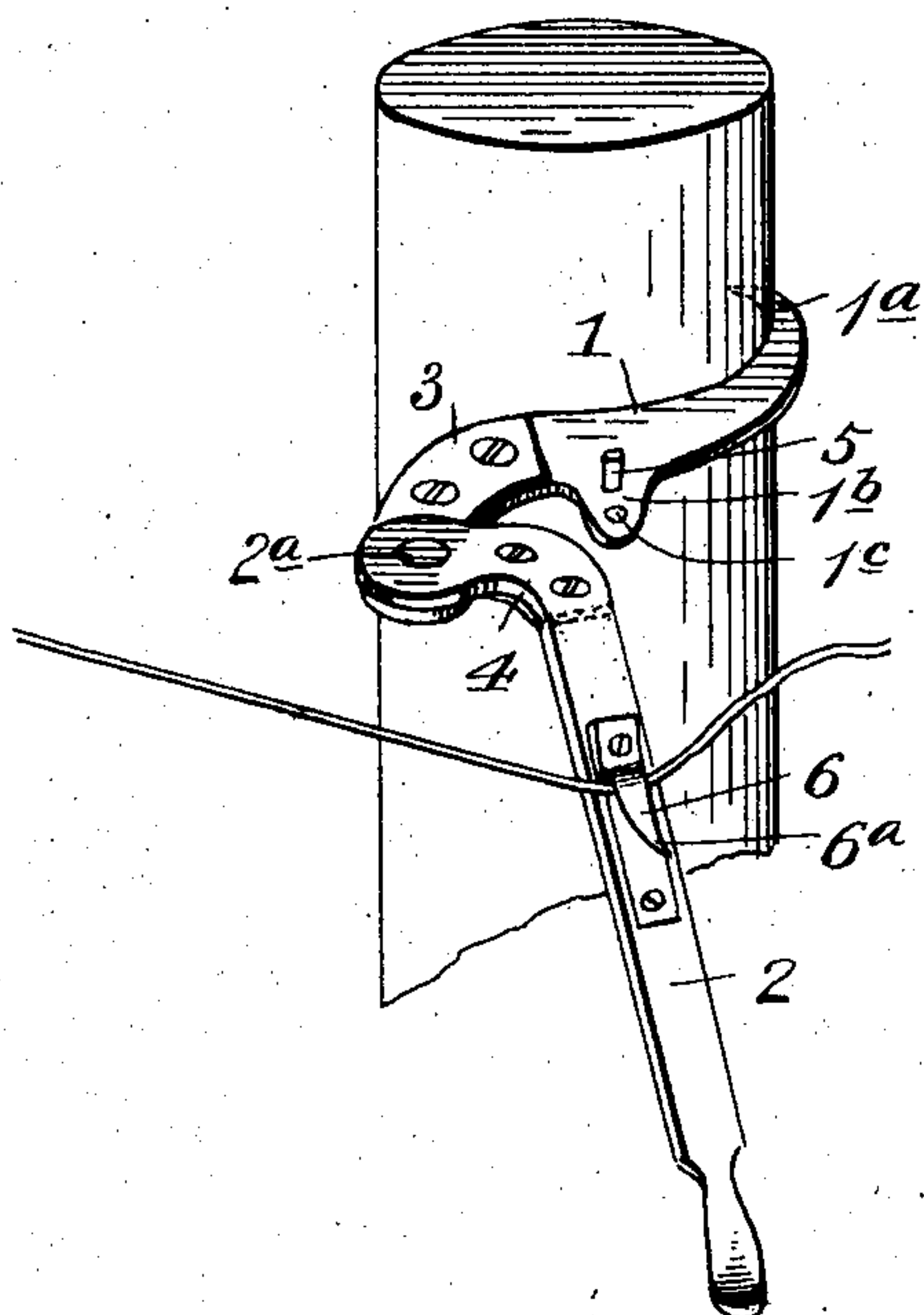


Fig. 2.

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2 SHEETS—SHEET 2.

Fig. 3.

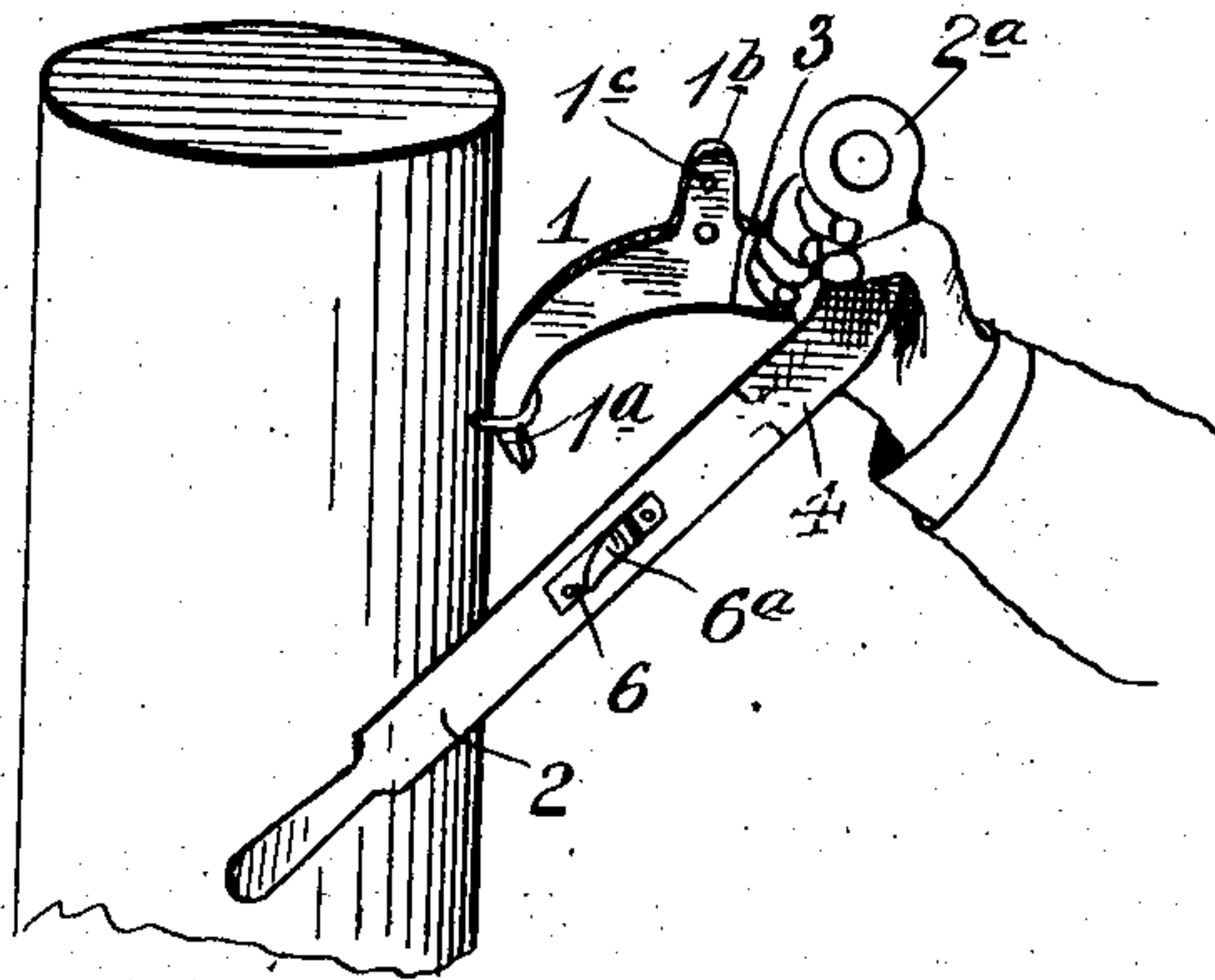


Fig. 4.

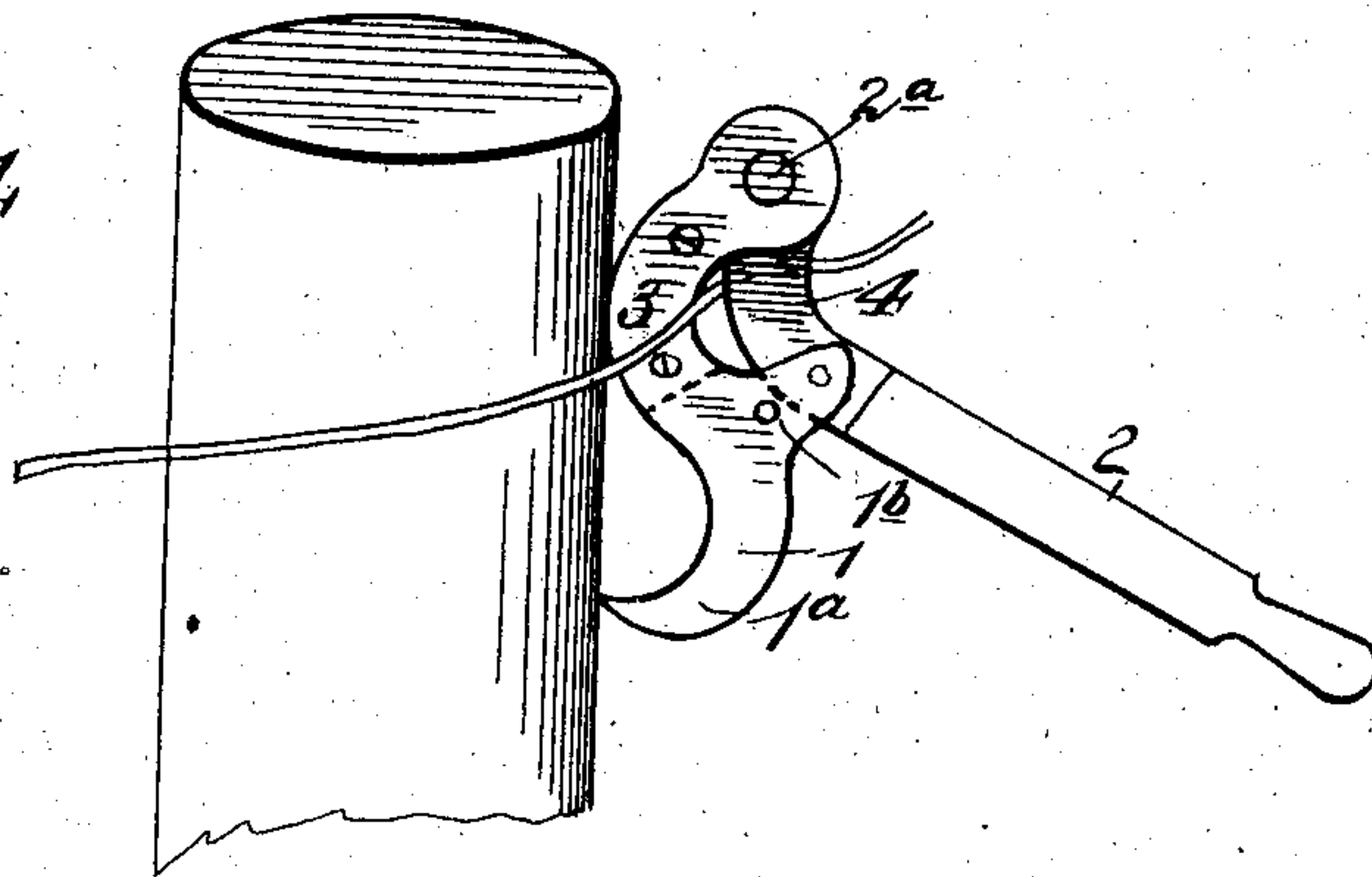
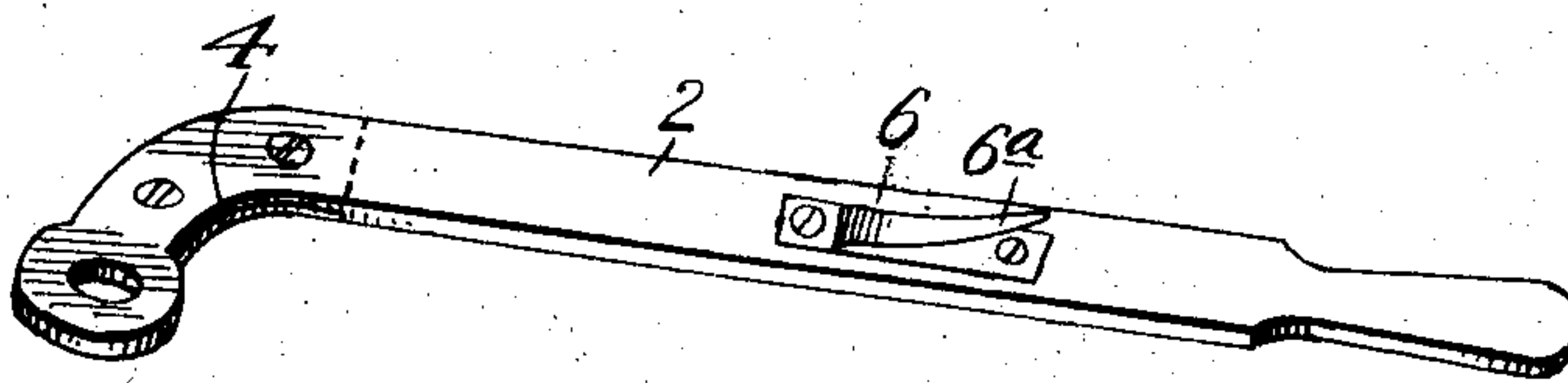


Fig. 5.



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UNITED STATES PATENT OFFICE.

JOHN B. ADAMS, JR., OF MALDEN, NEW YORK.

WIRE-STRETCHER.

No. 834,237.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed March 12, 1906. Serial No. 305,633.

To all whom it may concern:

Be it known that I, JOHN B. ADAMS, Jr., a citizen of the United States, residing at Malden, in the county of Ulster and State of New York, have invented certain new and useful Improvements in Wire-Stretchers, of which the following is a specification.

My invention pertains to improvements in what may be termed "wire-stretching devices." Its object is to provide for effectively stressing or stretching the wire, as in stringing or stretching it in position; among other purposes, as for wire-fences. It is also adapted as a wire-cutter as well as a staple-puller.

Said invention consists of certain structural features, substantially as hereinafter fully disclosed, and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of my invention, Figure 1 is a perspective view showing said invention as applied for use as a stretcher. Fig. 2 is a like view with the stressing-lever in its initial position, as when performing the stressing or stretching operation. Fig. 3 is a view showing the application of the device as a staple-puller. Fig. 4 is a view suggesting the use of the device as a wire-cutter. Fig. 5 is a disassembled view of the stressing or stretching lever.

In carrying out my invention I provide what may be styled a "dog" 1, having practically the outline of the letter S, with one terminal pointed or forming a claw 1^a, effective for being readily embedded in a post—for instance, in securing a purchase therefor for disclosing the present use thereof. Said dog has its opposite terminal reversely curved outward, and to the same is pivoted by a pivot-bolt 2^a the right-angled or outturned end portion of a manually-actuated lever 2. Said dog has its latter reversely-curved terminal equipped with a correspondingly-curved blade 3, with its cutting or effective edge conforming to the concavity of the curvature thereof and that of said terminal. The lever 2 is equipped at its angle also with a curved blade 4, which has its convexed cutting edge presented toward and cooperating with the concaved cutting edge of the blade 3 for effectiveness as a wire-cutter, the use of which is illustrated herein. Said dog has also an outstanding projection or lug 1^b presented toward and occupying a plane parallel with the lever 2, said projection or lug having two or more apertures 1^c, into either of which

is adapted to be placed or adjusted a pin 5, primarily for forming a stop for limiting the inward movement of said lever in effecting the required wire stressing or stretching operation. Also it is noted that by means of the adjustability of the position of the stop or pin 5 any variation in the thickness or cross-section of the post may be compensated in effecting the requisite wire stressing or stretching operation by the action or movement of the lever 2, which is controlled by the engagement of the latter with said stop or pin.

The lever 2 is also equipped with a clasp 6, effective to grip or engage the wire and comprising, preferably, a spring-metal piece 6^a, with its free end deflected outward and having its base portion screwed or secured to said lever.

It is obvious that with the dog applied to the post, as indicated, and the wire gripped by the clasp 6 by suitably actuating the lever 2 the stretching or stressing operation may be readily effected, the latter being controlled or limited in its movement by the stop 5.

As suggested by Fig. 3, the device may be used for the removal of staples from a post or other part

In Fig. 4 the contrivance is shown as employed for severing wire.

I claim—

1. A device of the character described, comprising an S-shaped dog effective to be engaged with a bearing and a manually-actuated lever having a right-angled terminal pivoted to one terminal of said dog and equipped with a clasp said lever being adapted for movement toward said dog, and means for limiting its movement in that direction.

2. A device of the character described, comprising an S-shaped dog effective for engagement with a bearing and having immediately of its terminals an outstanding lug provided with a lateral stop, and a manually-actuated lever having a right-angled terminal pivoted to one terminal of said dog and equipped with a wire-engaging clasp.

3. A device of the character described, comprising an S-shaped dog equipped with a curved blade and a manually-actuated lever having a right-angled terminal and armed at its angle with a curved blade and having its right-angled terminal pivoted to one terminal of said dog, said blades having their convexed and concaved cutting edges respec-

tively, effective to form a cutter as said lever is actuated.

4. A device of the character described, a
comprising an **S**-shaped dog having inter-
5 mediately of its terminals an outstanding lug
provided with an adjustable lateral stop, and
a lever having a right-angled terminal pivot-
ed to one terminal of said dog and equipped
with a wire-securing clasp, said lever being

movable toward the dog and controlled in 10
that direction by said stop.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

JOHN B. ADAMS, JR.

Witnesses:

GEORGE ADAMS,
JOHN WATERS.