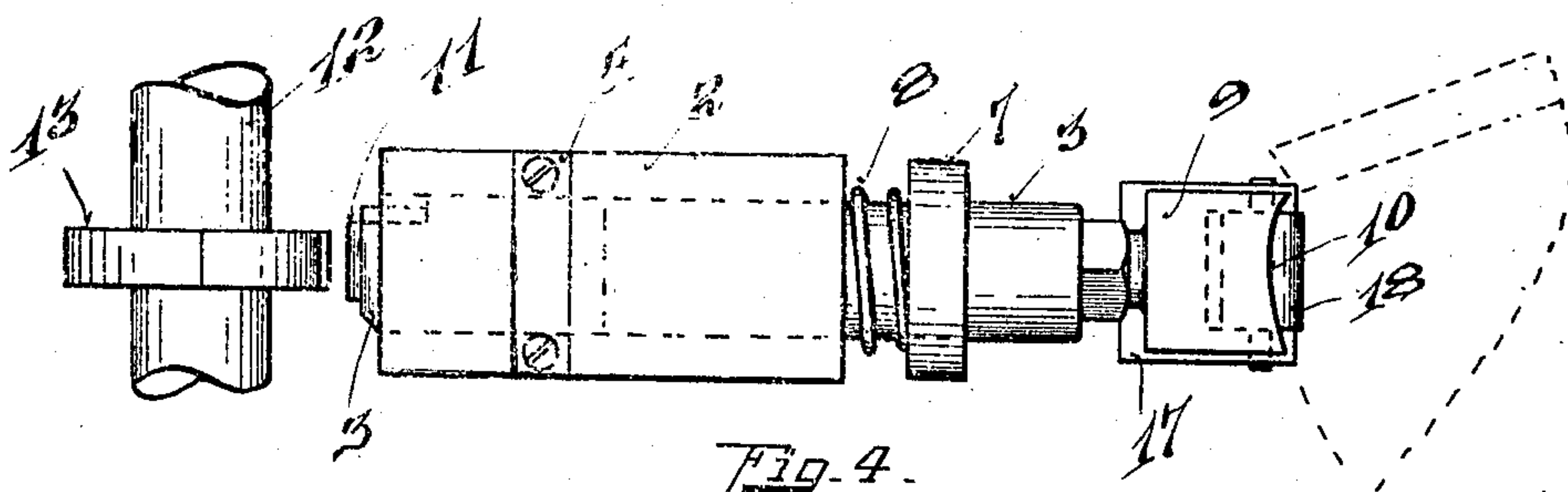
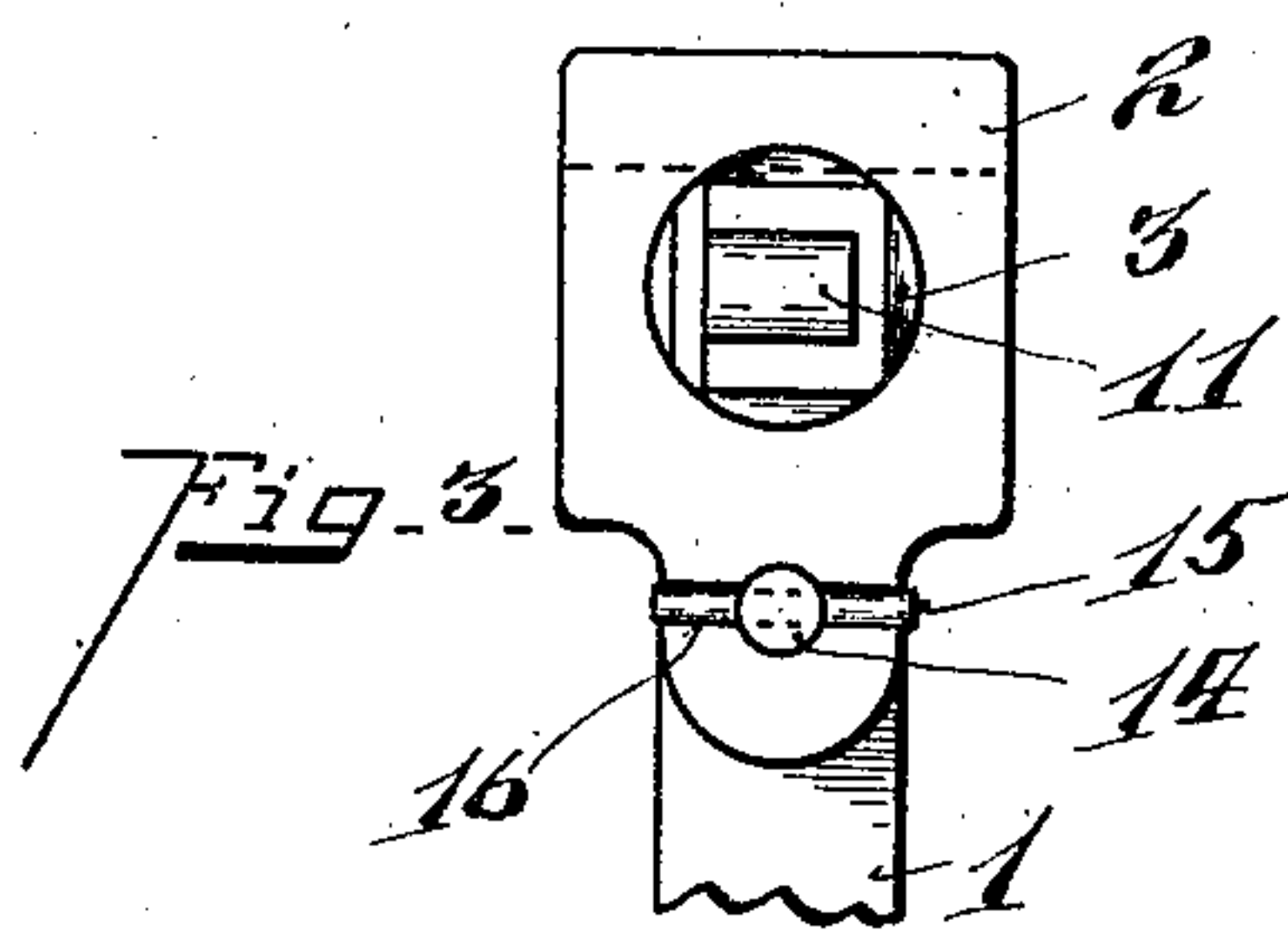
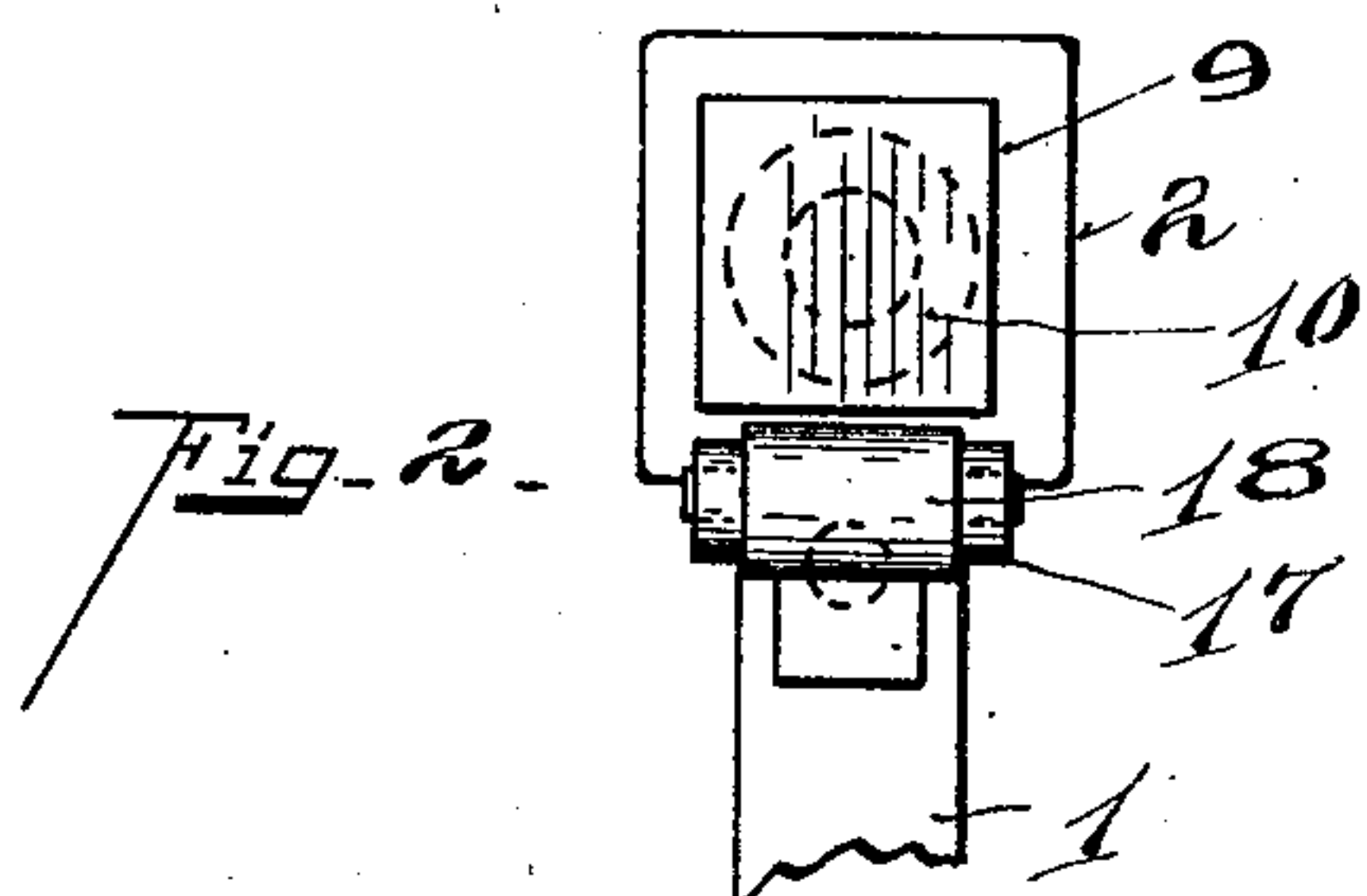
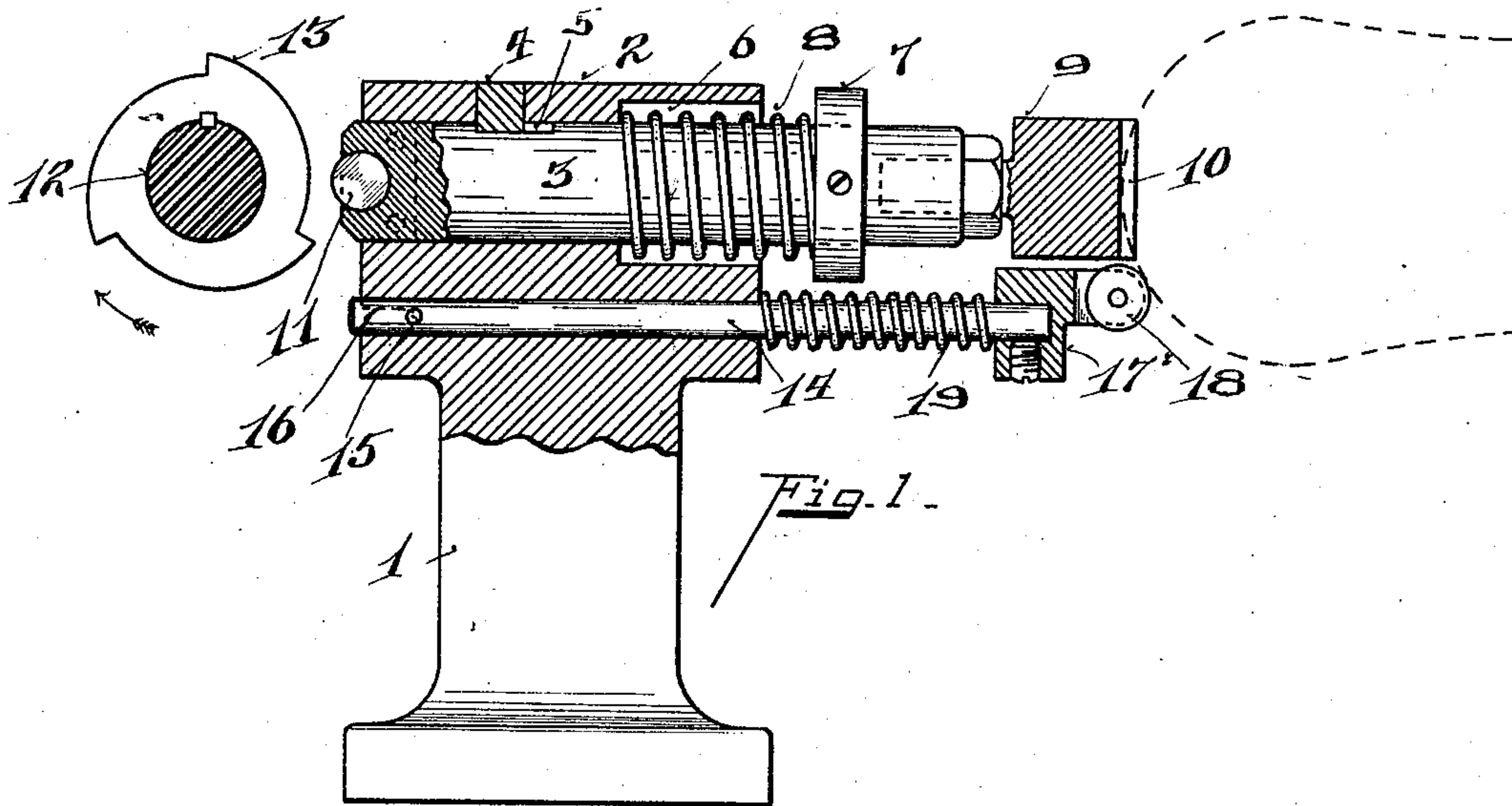


No. 844,293.

PATENTED FEB. 12, 1907.

S. J. WENTWORTH.
SHOE UPPER POUNDING MACHINE.

APPLICATION FILED APR. 30, 1906.



Inventor

Witnesses

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UNITED STATES PATENT OFFICE.

SAMUEL J. WENTWORTH, OF NEWPORT, KENTUCKY, ASSIGNOR TO THE
WENTWORTH COMPANY, OF CINCINNATI, OHIO, A CORPORATION.

SHOE-UPPER-POUNDING MACHINE.

No. 844,293.

Specification of Letters Patent.

Patented Feb. 12, 1907.

Application filed April 30, 1906. Serial No. 314,439.

To all whom it may concern:

Be it known that I, SAMUEL J. WENTWORTH, a citizen of the United States, residing at Newport, in the county of Campbell and State of Kentucky, have invented certain new and useful Improvements in Shoe-Upper-Pounding Machines, of which the following is a specification.

My invention relates to a pounding-machine for finishing and leveling the edge of the upper of lasted shoes, particularly turned shoes.

It is the object of the invention to produce a cheap and simple device adapted to impart a rapid hammering action around the heel, vamp, and toe of the lasted upper.

The features of the invention will be more fully set forth in the description of the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a central vertical section of my improved device. Fig. 2 is a front elevation of the upper or pounding portion of the machine. Fig. 3 is a rear elevation thereof. Fig. 4 is a top plan view of the same.

1 represents a standard having a head-stock 2, in which is journaled a spindle 3, held in position by a key 4, engaging into the elongated notch 5 on spindle 3. The bearing of the stock 2 has an enlarged bore 6 in one end.

7 represents a collar on the front end of the spindle 3.

8 represents a coil-spring on the spindle between the collar 7 and the rear wall of the bore 6. It will thus be seen that the spindle is adapted to receive a horizontal vibratory motion in its bearing, the stroke of which is fixed by the length of the notch 5. On the end of the spindle 3 is a hammer 9, having a concave face 10, forming a suitable bearing for the edge of the shoe-upper which is to be presented thereto. The rear end of the spindle 3 projects beyond the stock 2 and is provided with the antifriction-roll 11.

12 represents a shaft to which is fixed the cams 13.

14 represents a rod journaled in the stock 2

under the spindle 3. It has at its rear end a pin 15, which projects through the slot 16 through the stock. (See dotted lines, Fig. 1.) On the front end of the rod 14 is a bracket 17, in the front end of which is journaled a roller 18.

19 represents a coil-spring around rod 14 between the bracket 17 and the front end of the stock 2.

In operation the shoe is presented to the face 10 of the hammer, the operator pressing inward, compressing the spring 6 and presenting the roll 11 to the action of the rapidly-revolving cams 13. As each cam strikes the roll it throws the spindle forward, and so a rapid hammering or vibrating action is imparted to the spindle, which is resisted by the shoe held under pressure by the operator to the influence of the hammer. When the sides of the upper are under operation, the roll 18 is pressed back flush with the face of the hammer; but when the heel or toe is turned around over the hammer it lies above this roller, and the roller comes out in the position indicated in Fig. 4 in front of the hammer and serves as a guide to the operator, so that he can keep the heel on the hammer.

Having described my invention, I claim—

In an upper-pounding machine, a stock, a spindle extended through the stock and projecting beyond the same at opposite ends, means permitting the spindle to be reciprocated in the stock, a hammer on the front end of the stock, a cam device in rear of the spindle normally out of contact therewith but adapted to engage the same when the spindle is pressed inward, and a spring-controlled guide under the hammer and in front thereof normally, but adapted to retreat under pressure independent of the hammer, substantially as described.

In testimony whereof I have hereunto set my hand.

SAMUEL J. WENTWORTH.

Witnesses:

OLIVER B. KAISER.

LUISE BECK.