

No. 884,119.

PATENTED APR. 7, 1908.

W. G. ZAISER.
REVOLVER.

APPLICATION FILED AUG. 10, 1906.

2 SHEETS—SHEET 1.

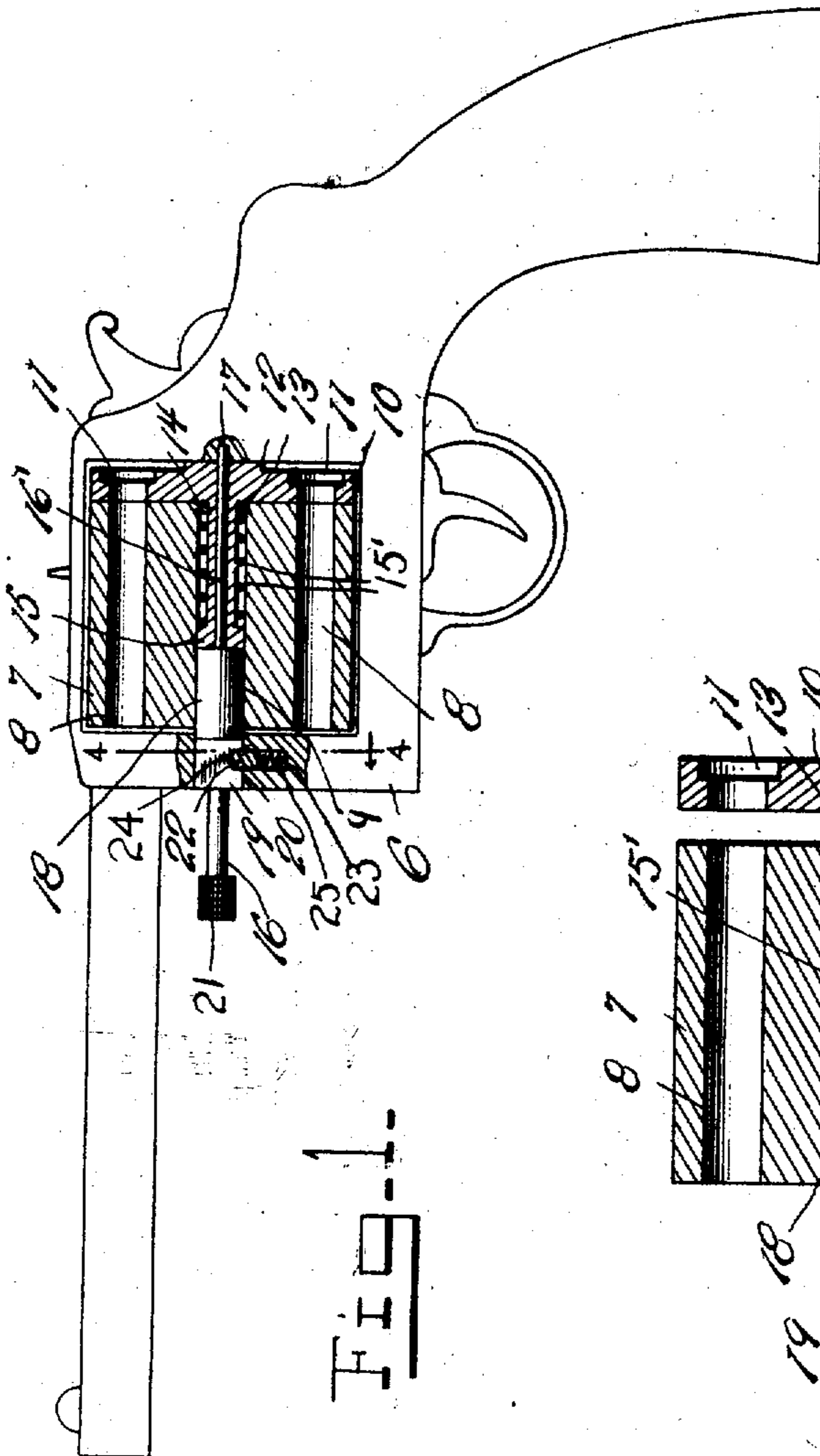


Fig. 1.

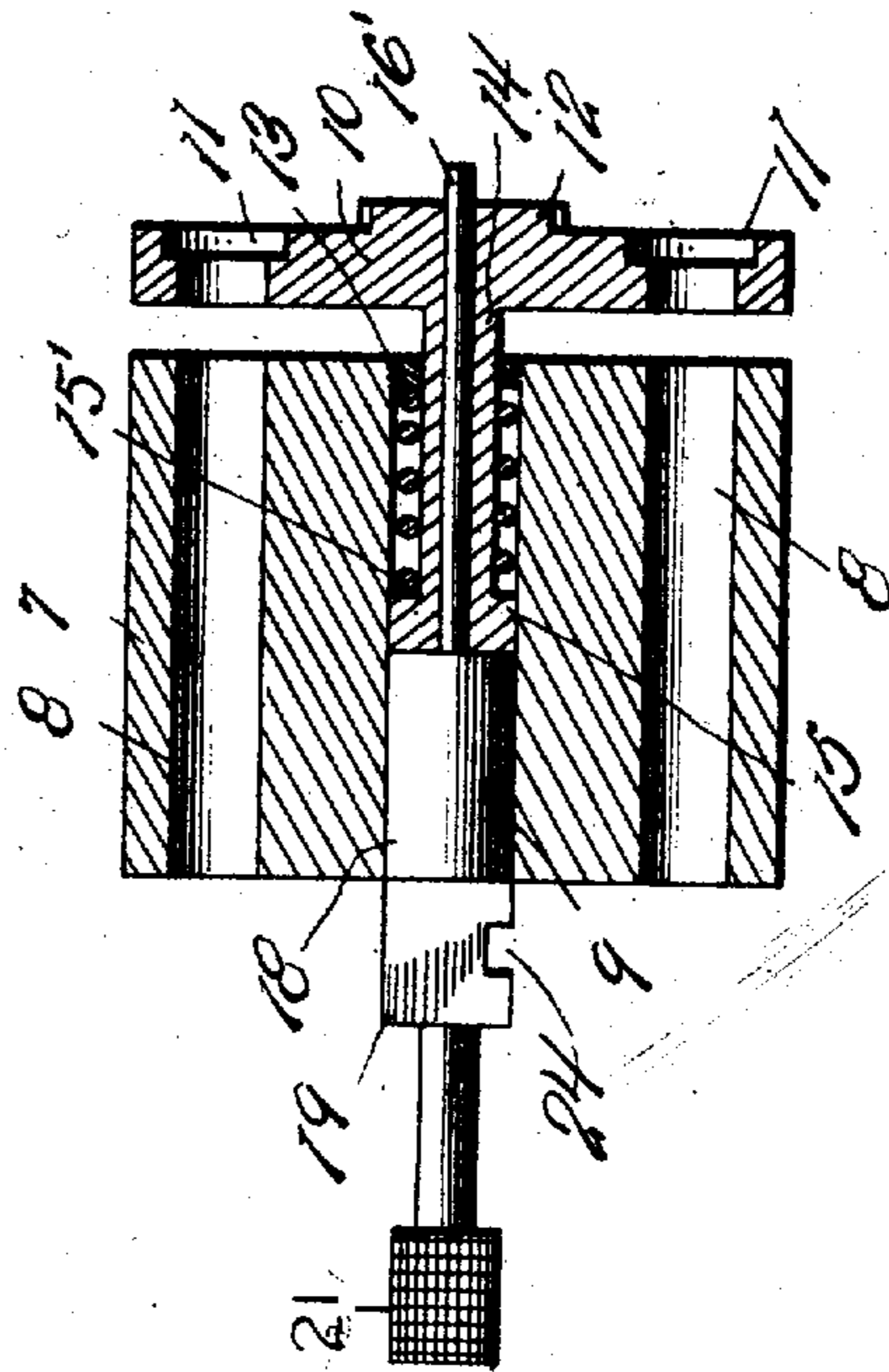


Fig. 2.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 3.

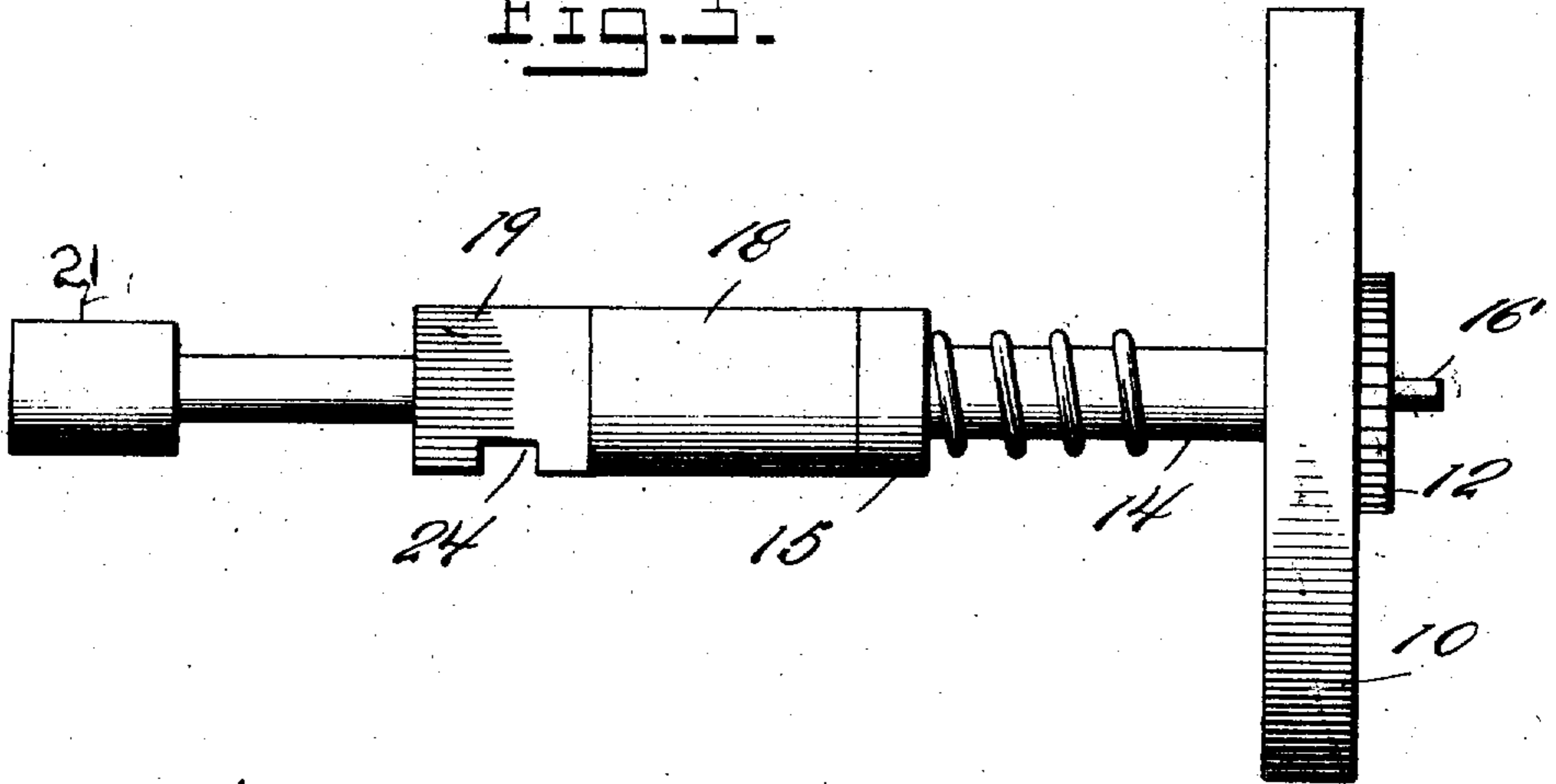


Fig. 4.

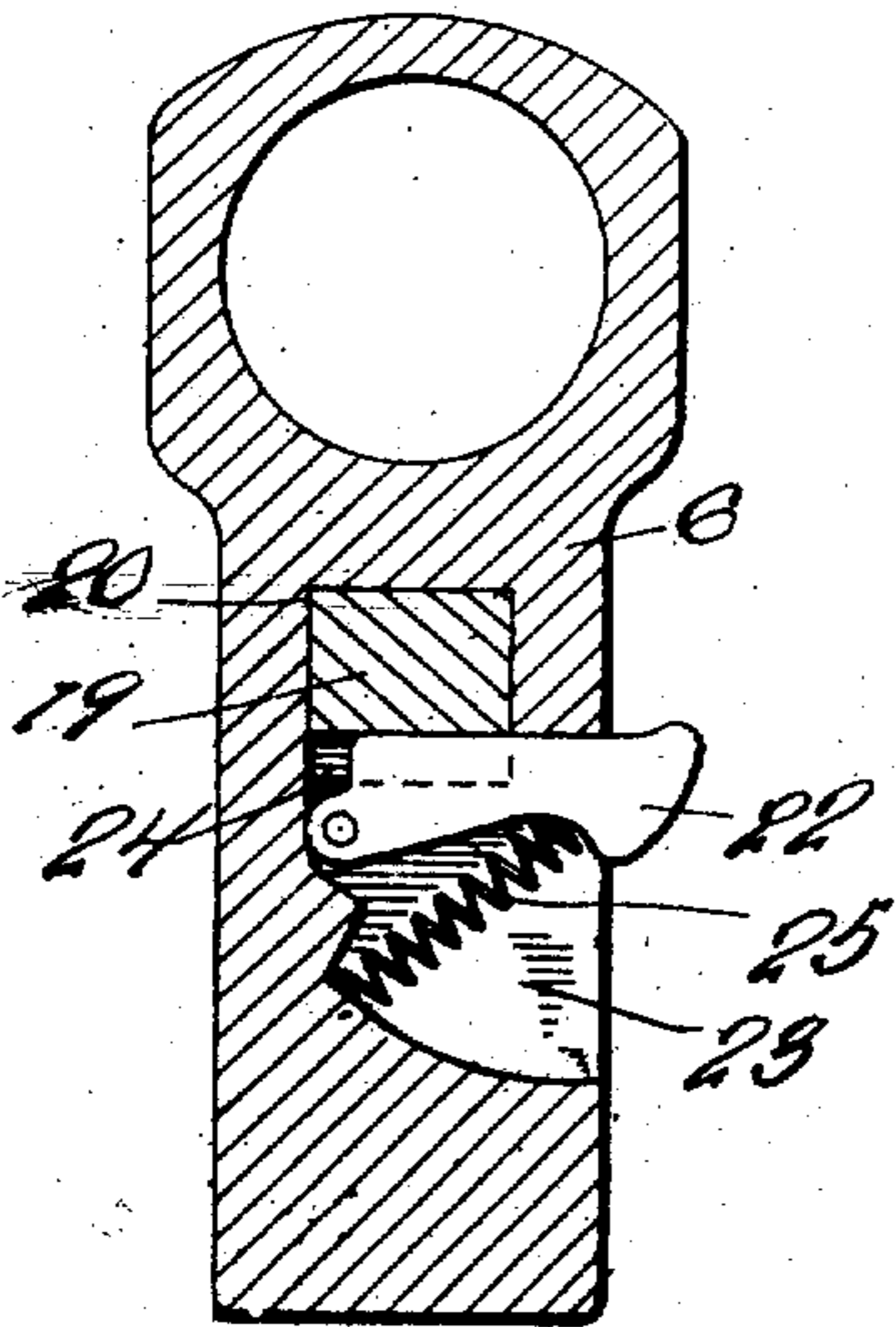
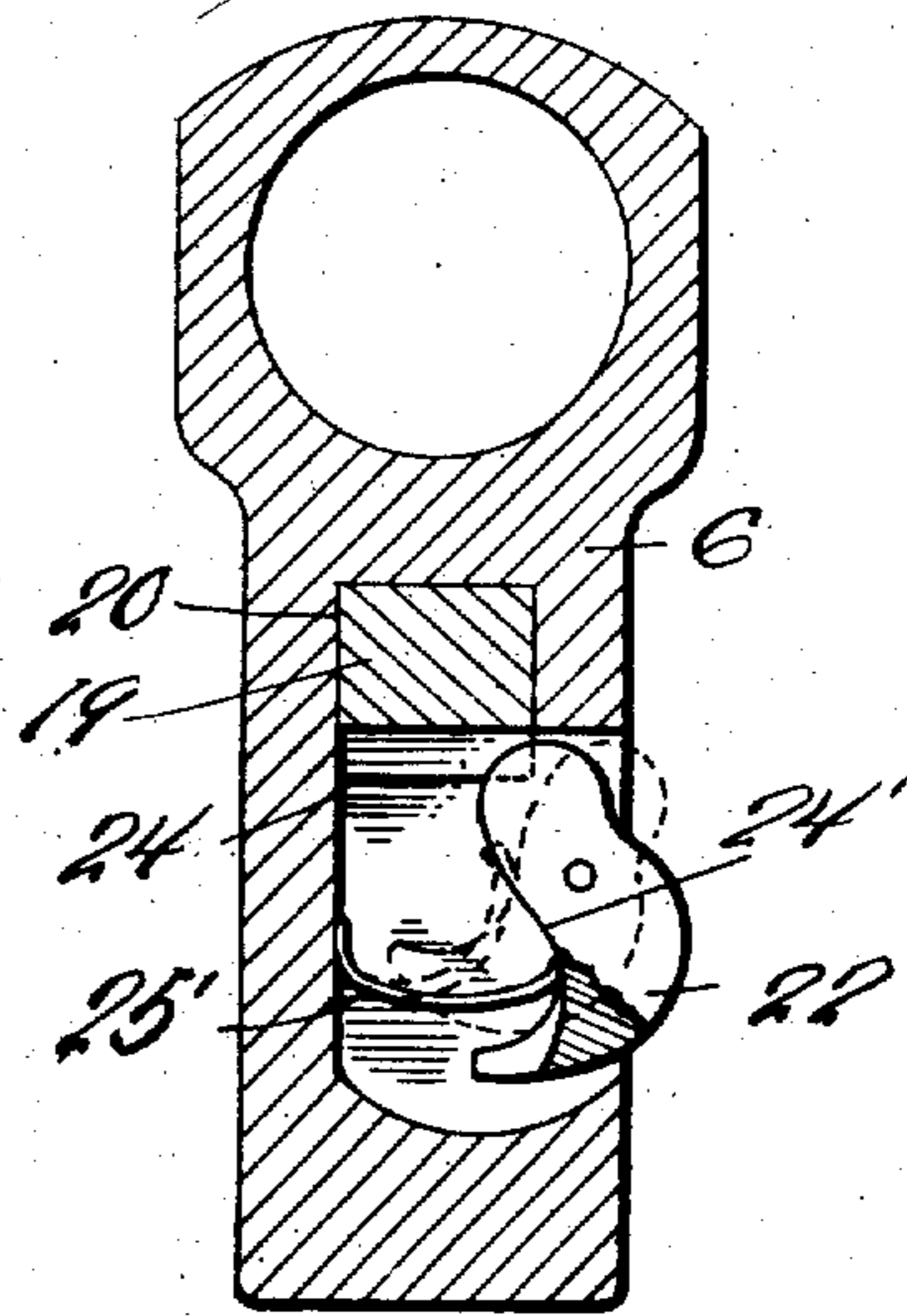


Fig. 5.



Witnesses

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WALTER G. ZAISER, OF SOLOMON, KANSAS.

REVOLVER.

No. 884,119.

Specification of Letters Patent.

Patented April 7, 1908.

Application filed August 10, 1906. Serial No. 330,095.

To all whom it may concern:

Be it known that I, WALTER G. ZAISER, a citizen of the United States, residing at Solomon, in the county of Dickinson, State of Kansas, have invented certain new and useful Improvements in Revolvers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to firearms and more particularly to revolvers and the invention more specifically speaking resides in an ejector device for the cylinder of the arm.

The primary object of the invention is to provide a device of this class which will securely hold the cylinder in proper position at all times and yet permit free rotation thereof and which may be operated to simultaneously eject all of the shells from their chambers when so desired.

In the accompanying drawings: Figure 1 is a vertical longitudinal sectional view through a revolver embodying my invention. Fig. 2 is a similar view through the cylinder of the firearm showing the manner of ejecting the shells therefrom. Fig. 3 is a detail view of the ejector removed from the cylinder. Fig. 4 is a detail transverse vertical sectional view on the line 4-4 of Fig. 1, and, Fig. 5 is a similar view showing a slightly modified form of latch.

Referring more specifically to the drawings, the numeral 6 denotes the frame of the revolver and 7 the cylinder which is mounted for rotation therein by means of my ejector. The said cylinder is provided with the usual cartridge receiving bores 8 and the center bore 9 through which is engaged the ejector sleeve, pin, etc., comprising my invention.

The ejector proper comprises a disk 10 which is provided with a circular series of openings 11 which are designed to aline with the corresponding ends of the bores 8 of the cylinder and in which are received the rimmed ends of the cartridges. The usual ratchet 12 is formed upon the outer face of the disk 10 by means of which the cylinder may be rotated.

The bore 9 is reduced at its end adjacent the cylinder 7 to form an annular shoulder 13 and formed integral with the inner face of the disk 10 is a sleeve 14 which extends through the reduced portion of the bore 9 and into the main portion thereof and which is provided

at its end with a head 15 of substantially the same size as the bore.

The head 15 serves as a means for centering the sleeve in the cylinder and also as a seat for one end of a helical spring 15' which seats at its opposite end against the annular shoulder 13, thus serving to normally hold the disk 10 securely against the adjacent end of the cylinder.

In order that the cylinder may be rotatably held in the frame 6, I provide a pin 16' which is removably engaged in the bore of the sleeve 14 with its end projecting slightly therebeyond and into a recess 17 formed in the adjacent wall of the frame 6. The pin 16' is provided intermediate its ends with a cylindrical enlargement 18 which seats in the bore 9 of the cylinder and abuts the adjacent end of the sleeve 14. In advance of the enlarged portion 18 the pin is provided with a squared enlargement 19 which, when the pin is in position, seats in an opening 20 formed through that portion of the frame of the arm in advance of the cylinder 7. This squared feature is for the purpose of maintaining the pin in position circumferentially. Beyond the portion 19 the pin is provided with a head 21 by means of which it may be withdrawn.

To hold the pin against accidental disengagement from the revolver, and to keep it from moving longitudinally except when desired I provide a latch 22 which is pivoted in a recess 23 formed in the portion of the frame through which the portion 19 is engaged and is normally seated in a notch 24 formed in the underside of the squared portion 19 and held in this position by means of a spring 25.

It will be seen from the foregoing that the pin 16' may be removed from the arm to permit removal of the cylinder 7 and that by again inserting the pin in the cylinder and exerting a slight force upon the same, the sleeve and disk will be moved to extract the shells and furthermore that when released, the spring will cause the ejector to assume its normal position.

In the form of my invention shown in Fig. 5, the latch is pivoted in the recess intermediate its end and has one of its edges recessed as at 24' for the reception of one end of a leaf spring 25' which is secured at its opposite end to one wall of the said recess in which the latch is seated.

It is to be understood that I do not desire

to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

5 What is claimed is:

10 In a revolver, the combination, with the frame, of the cylinder arranged in the frame and having a central bore, an extractor having a sleeve portion extending into the bore and reduced externally at its rear portion forming a shoulder, a spring disposed between the shoulder of the sleeve portion and the wall of the bore, a pin engaged through

the sleeve portion, which abuts the end of the sleeve portion, and having also a squared portion to the rear of the enlarged cylindrical portion, a squared opening in the frame in which said squared portion is seated, and means for latching the pin against longitudinal movement. 15

In testimony whereof, I affix my signature, in presence of two witnesses. 20

WALTER G. ZAISER.

Witnesses:

FRED BECK,
RUDOLF ZAISER.