

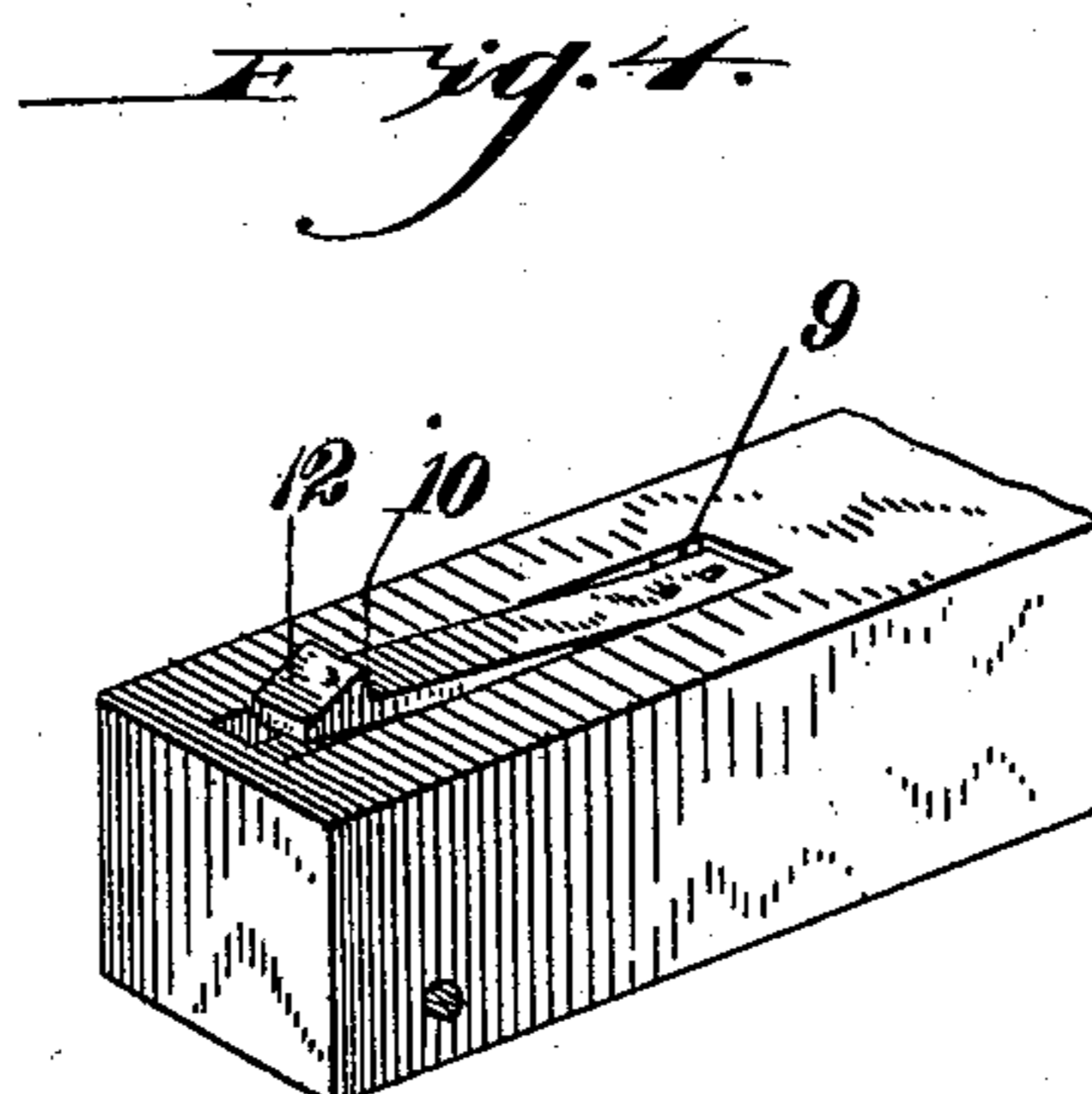
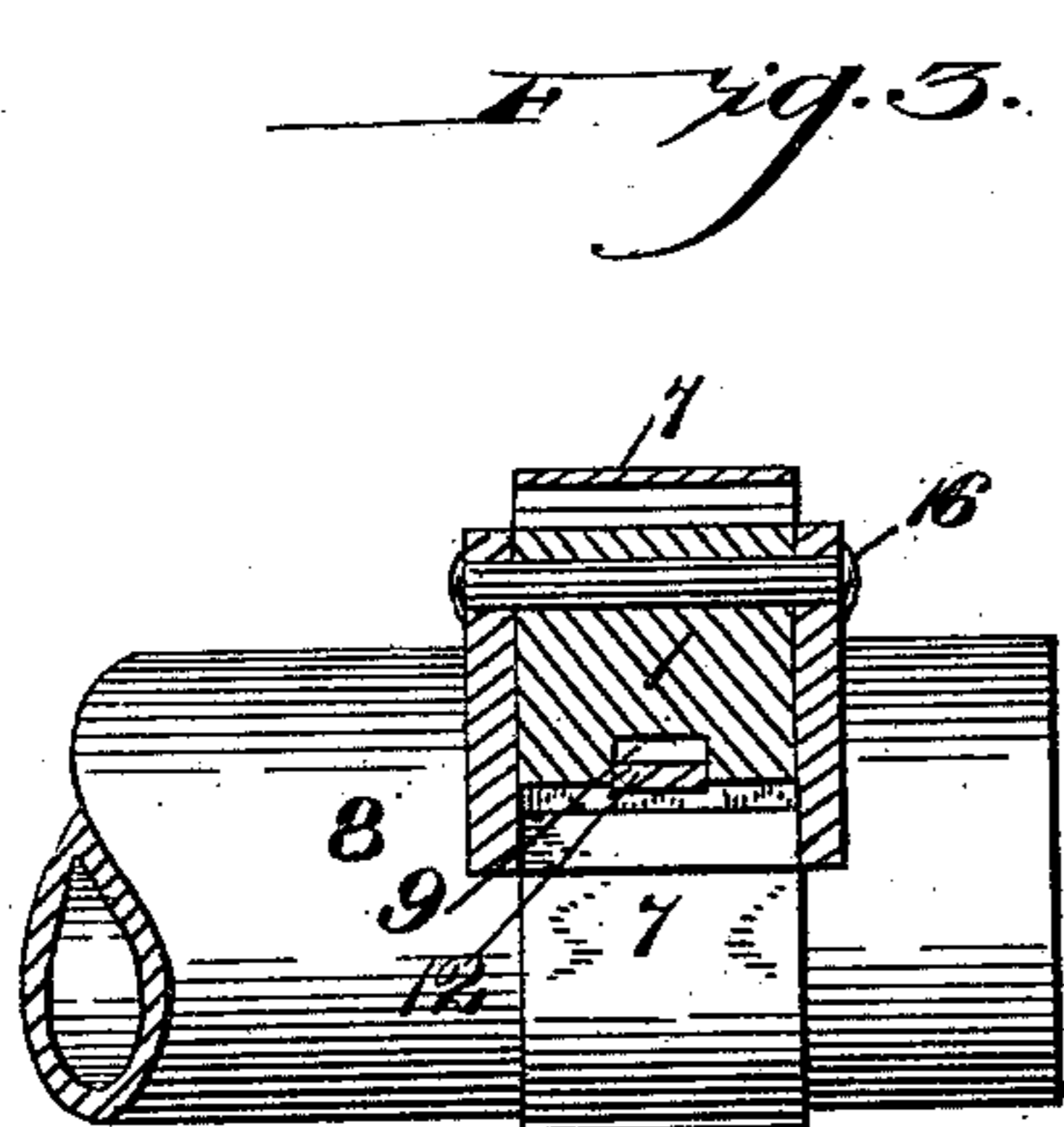
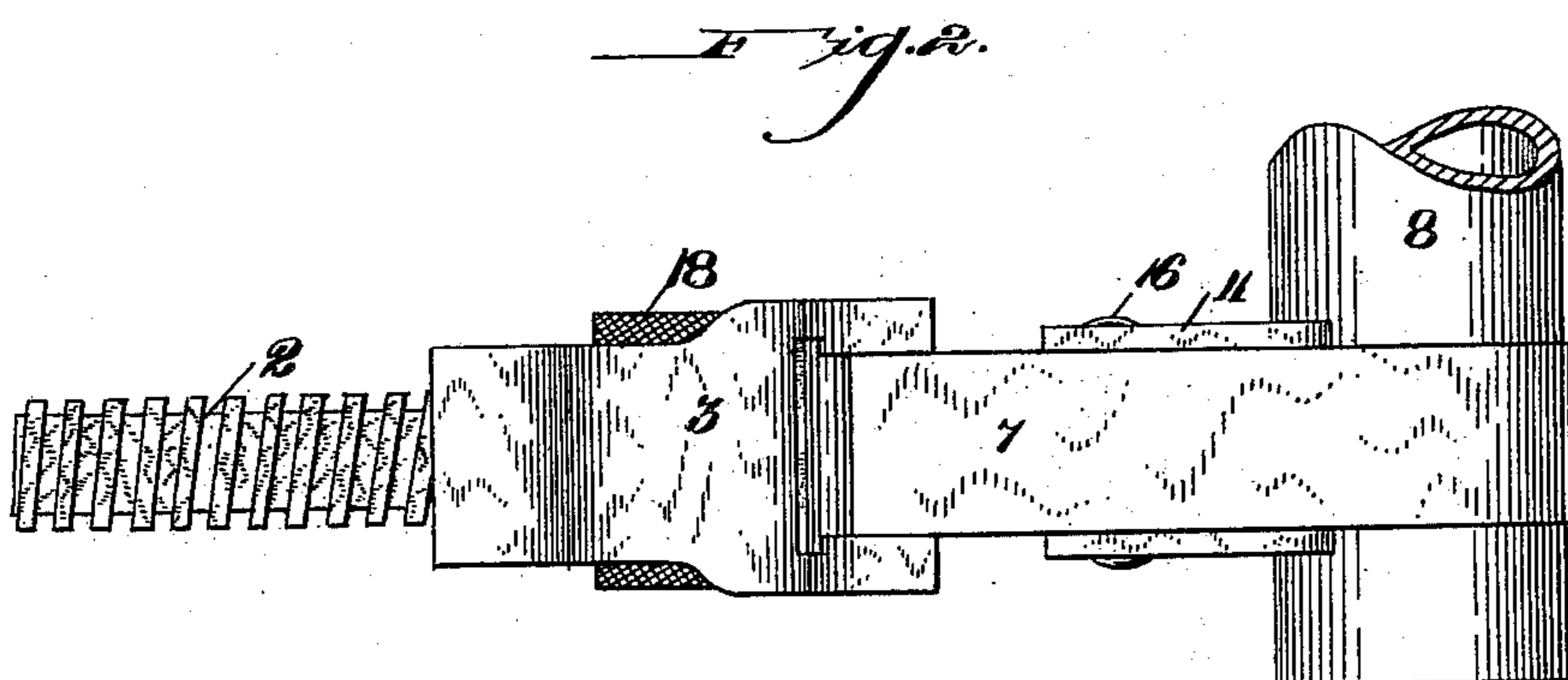
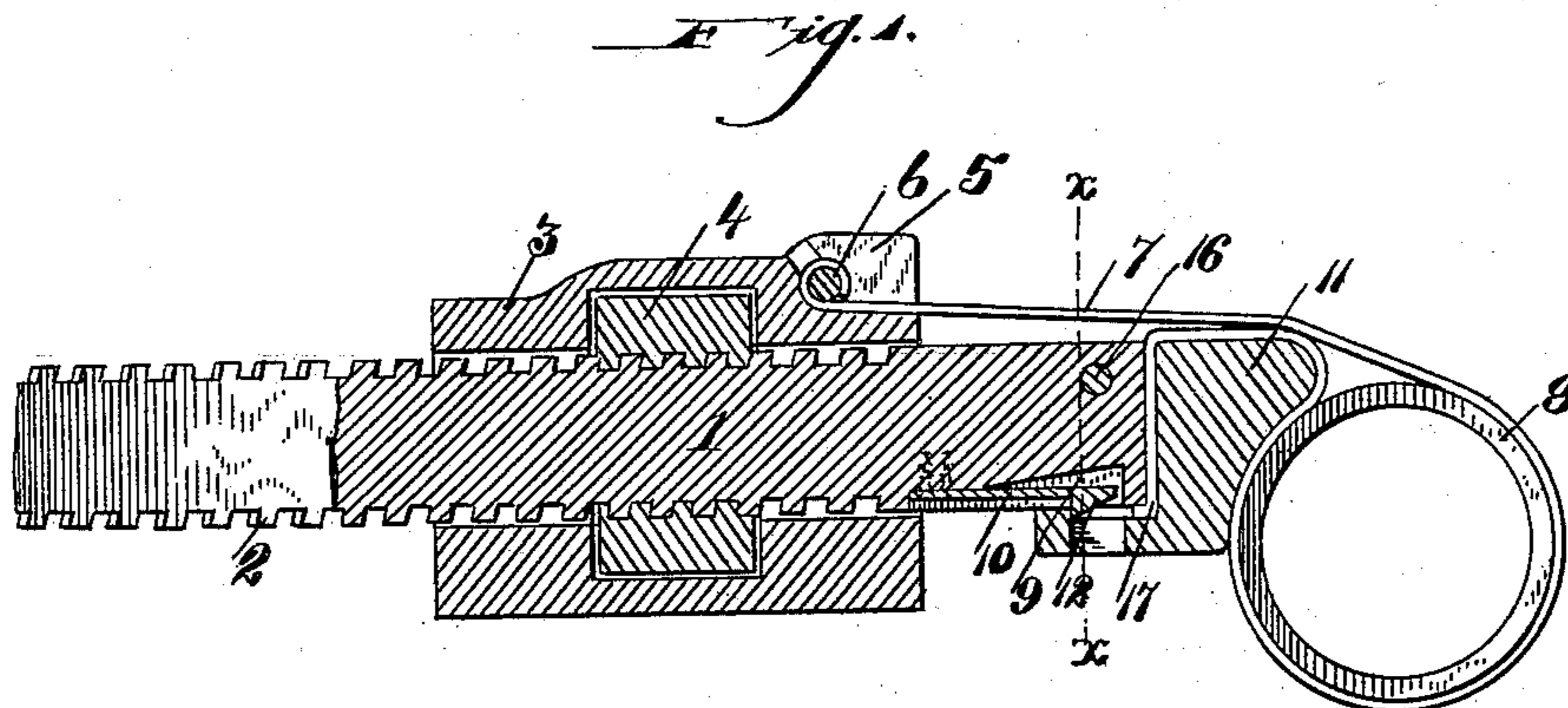
No. 624,253.

Patented May 2, 1899.

H. RUDEBOCK.  
PIPE WRENCH.

(Application filed Aug. 16, 1898.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HOLCOMBE RUDEBOCK, OF PITTSBURG, PENNSYLVANIA.

## PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 624,253, dated May 2, 1899.

Application filed August 16, 1898. Serial No. 688,680. (No model.)

*To all whom it may concern:*

Be it known that I, HOLCOMBE RUDEBOCK, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Pipe-Wrenches, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in adjustable pipe-wrenches.

My invention aims to construct a wrench of this character which is particularly adapted for use upon polished pipe of every description to prevent injury to the polished surface.

My invention consists of a screw-threaded metal bar of suitable shape, having a suitable handle secured thereto, (not shown,) a collar and adjusting-nut mounted thereon for adjusting the metallic wrenching-band, and suitable means for securing the band at both ends to the bar.

My invention further consists in the novel combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the claims hereunto appended.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a longitudinal sectional view of my improved pipe-wrench, showing the same secured to a pipe. Fig. 2 is a top plan view thereof. Fig. 3 is a cross-sectional view thereof on the line *xx*, Fig. 1. Fig. 4 is a perspective view of an end portion of the bar with the same inverted, showing the securing-spring for the fulcrum-block. Fig. 5 is a perspective view of the fulcrum-block.

Referring to the drawings, in which like numerals of reference indicate corresponding parts throughout the several views, 1 indicates a suitable metal bar, screw-threaded, as at 2, and is adapted to have the collar 3 mounted thereon. The collar 3 is adapted to slide upon the bar 1 by means of the adjusting-nut 4, which is interiorly screw-threaded and which operates upon the screw-threaded portion of the bar 1. The collar 3 is formed with a pair of extensions, (only one shown,) as at 5, which are adapted to receive the se-

curing-pin 6 for the metallic band 7 or other suitable material. This metallic band is of suitable length and is adapted to surround the pipe 8.

The under face of the bar 1 has an elongated slot 9 formed therein to receive a fastening-spring 10, which is suitably secured in said slot. The spring 10 is for the purpose of securing the lower end of the fulcrum-block 11 to the bar. The spring 10 has formed on its free end a shoulder or lug 12, which is adapted to catch into the aperture 14 of the fulcrum-block. The fulcrum-block 11 is cut away, as at 15, to receive the end of the bar 1 and is pivotally secured thereto by means of the pin 16.

The free end of the metallic band is secured between the end of the bar and the fulcrum-block, as shown at 17.

The adjusting-nut 4 is indented on its periphery, as at 18, to prevent the slipping of the fingers when it is desired to adjust the same.

A portion of the fulcrum-block is of curved formation, as at 19, which the pipe and a portion of the metallic band bears against when the wrench is in operation.

It is readily apparent when it is desired to use my improved wrench that the adjusting-nut is turned to loosen the metallic band for the insertion of the pipe therein, and when turned in the opposite direction after the pipe has been inserted in the metallic band it will securely hold the pipe in position to be wrenched.

It will be observed that when the spring 10 is forced upward it immediately releases the fulcrum-block, and as the same is pivotally secured to end of the bar 1 the metal band, which has been secured between the fulcrum-block and bar 1, can be released therefrom.

It will be observed that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. In a pipe-wrench a screw-threaded metallic bar having a collar and adjusting-nut mounted thereon, an elongated metallic band secured at one end to said collar, a fulcrum-block pivotally secured to said bar and means

for securing the opposite end of said band to said bar, substantially as shown and described.

2. A pipe-wrench comprising a screw-threaded metal bar having a collar and adjusting-nut mounted thereon, a fulcrum-plate  
5 pivotally secured to said bar at its top, an elongated band of suitable metal which is adapted to encircle the pipe and which is secured at one end to said collar and means for securing

the opposite end thereof between the said bar and fulcrum-block, substantially as shown and described.

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

HOLCOMBE RUDEBOCK.

Witnesses:

JOHN NOLAND,

H. H. PATTERSON.