

No. 774,568.

PATENTED NOV. 8, 1904.

J. J. DELEHANT.

DIE STOCK.

APPLICATION FILED FEB. 10, 1904.

NO MODEL.

Fig 1

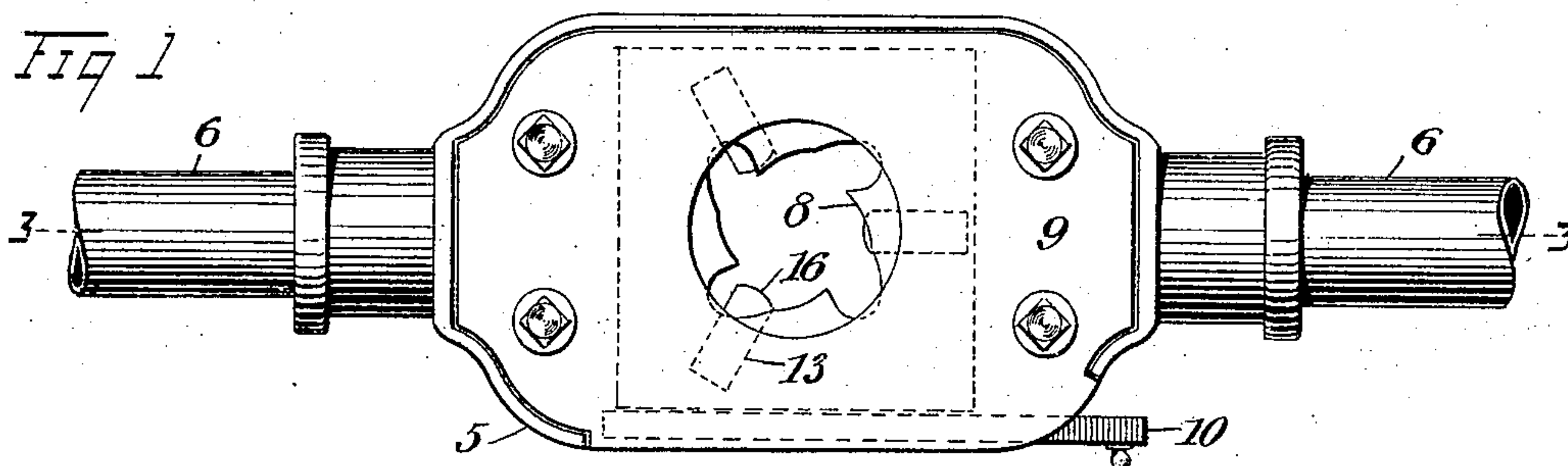


Fig 2

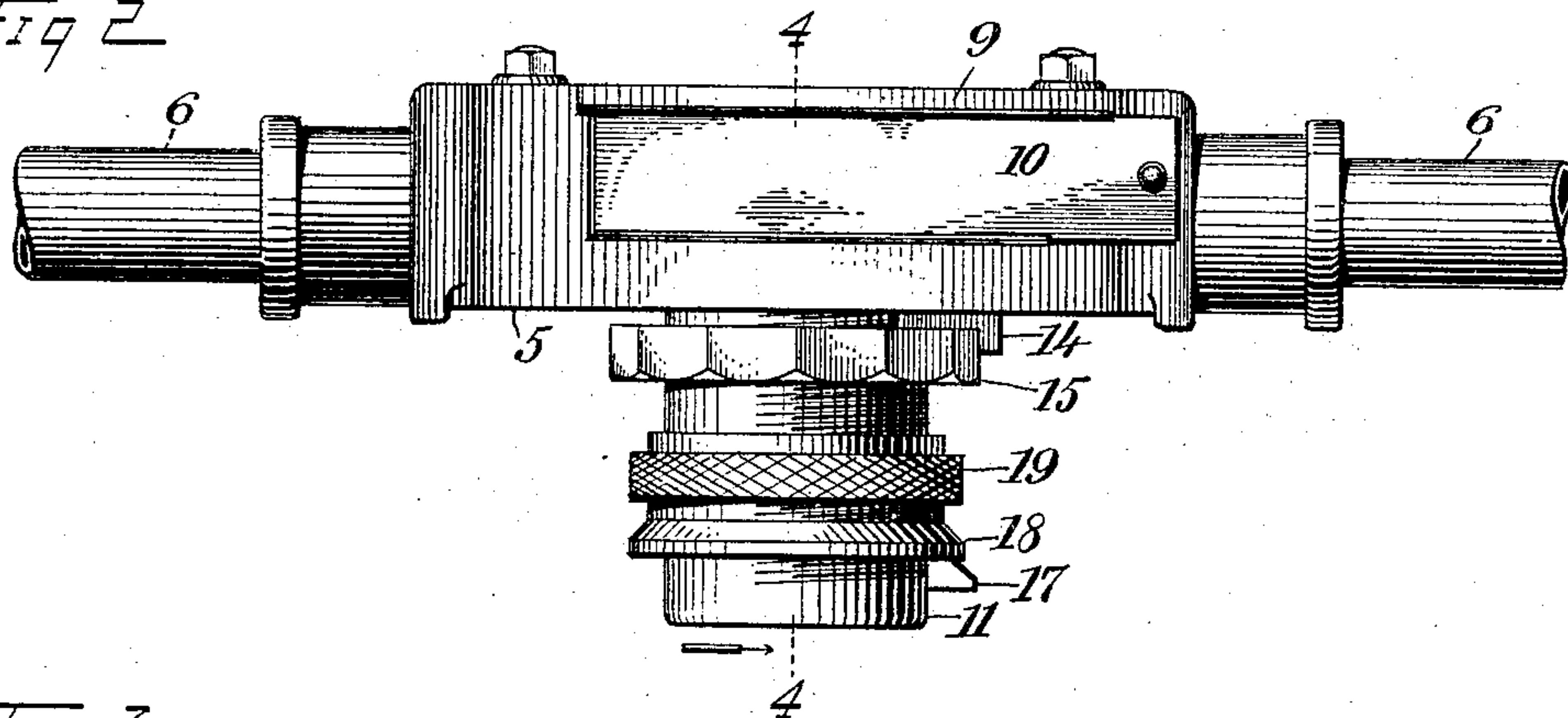


Fig 3

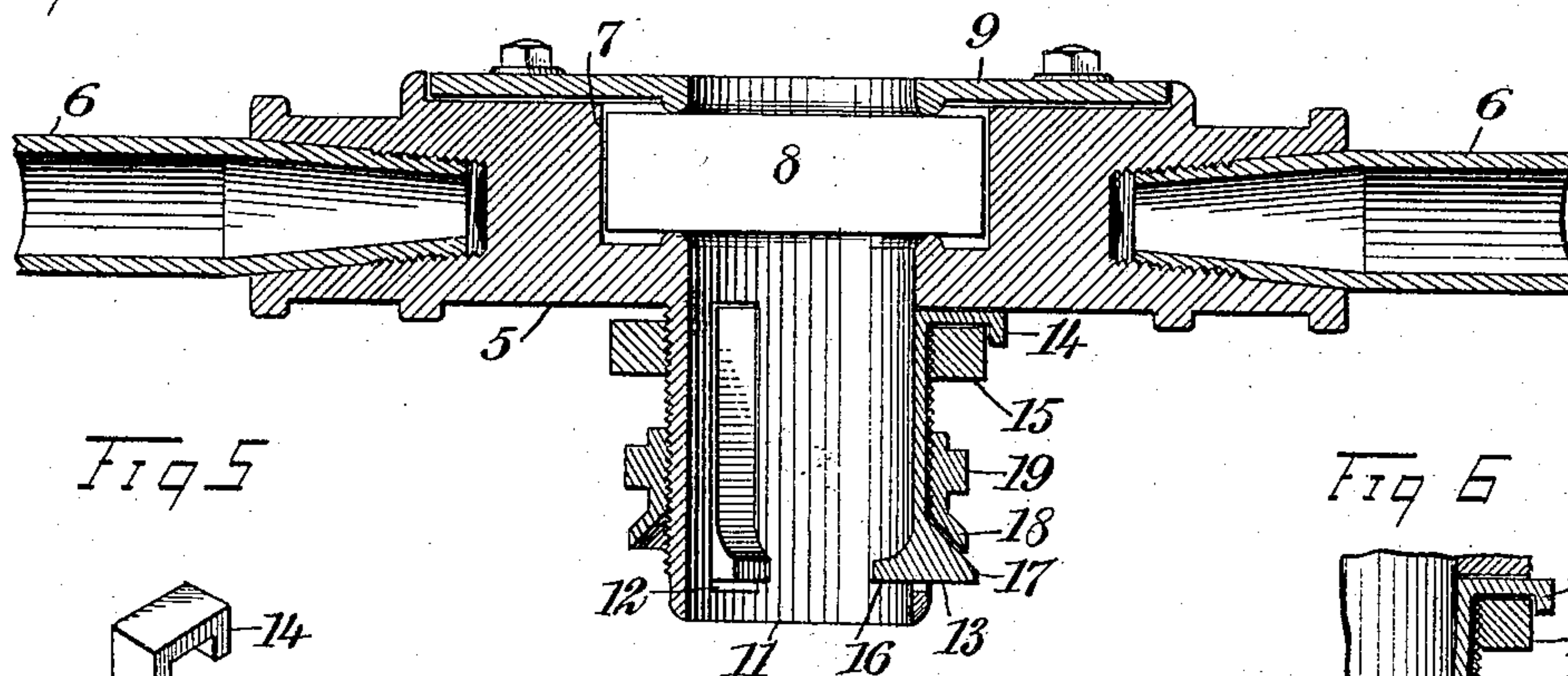


Fig 5

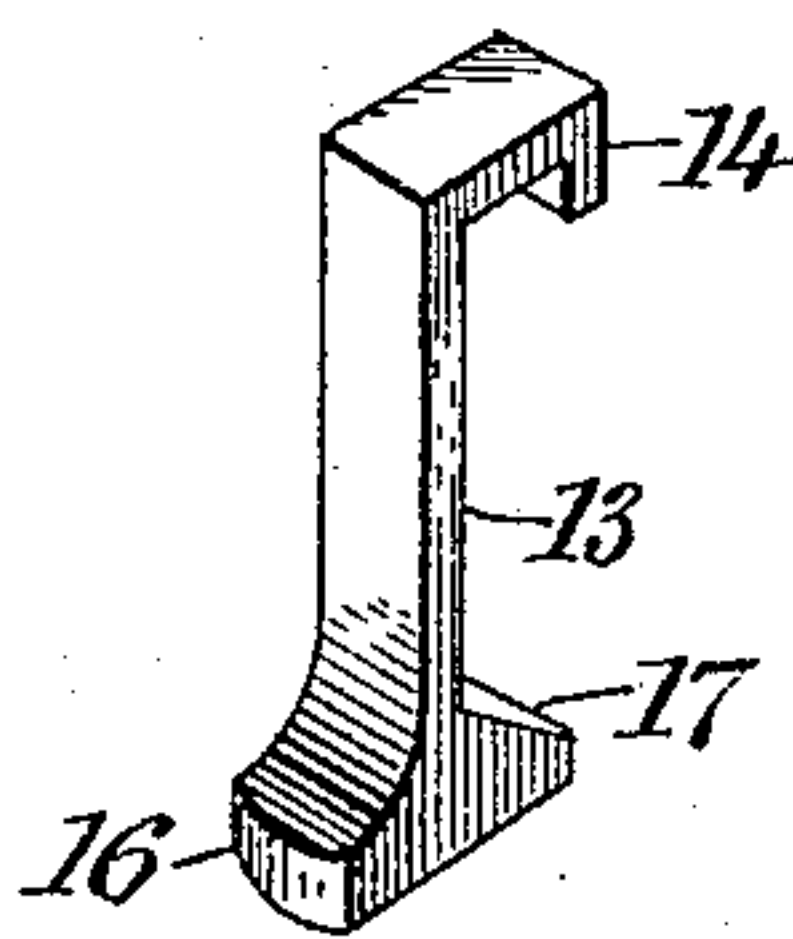
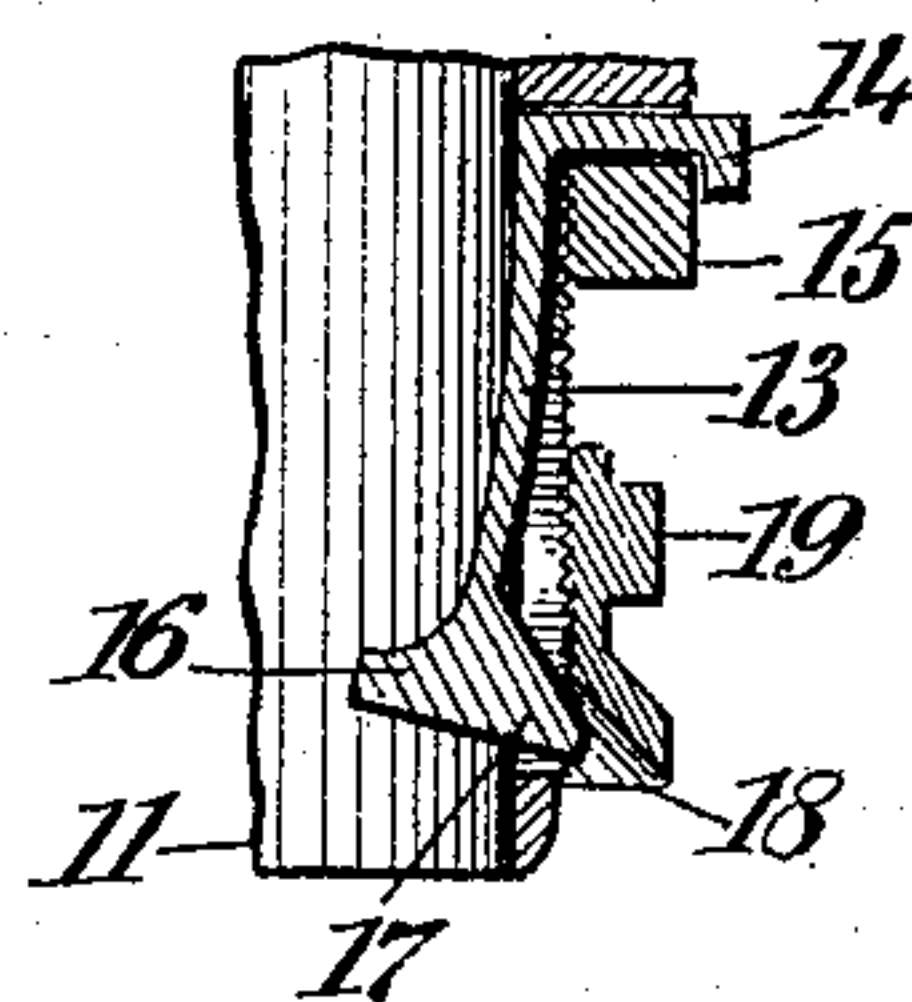


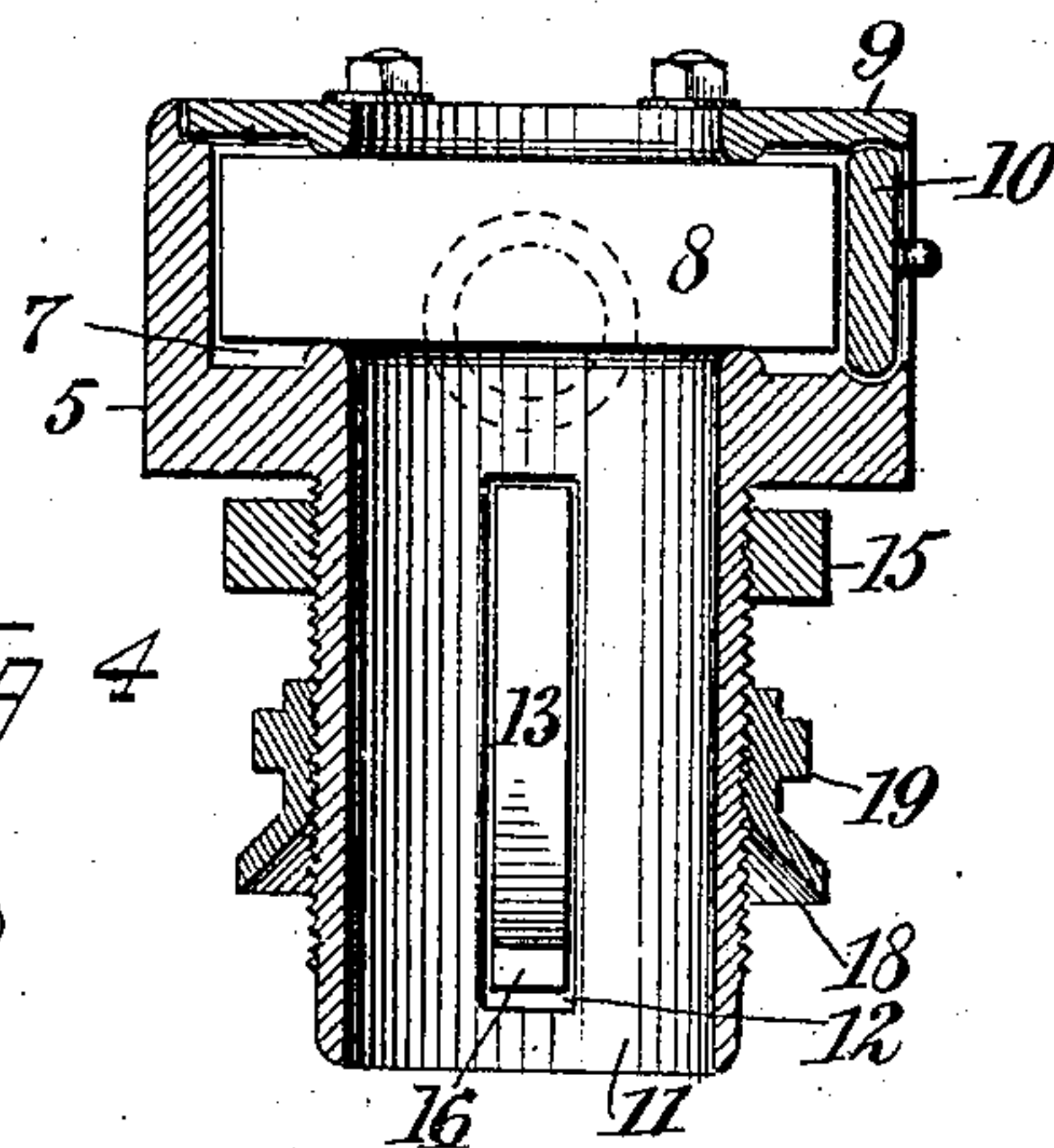
Fig 6



WITNESSES:

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Fig 4



INVENTOR

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UNITED STATES PATENT OFFICE.

JOHN J. DELEHANT, OF CHICAGO, ILLINOIS.

DIE-STOCK.

SPECIFICATION forming part of Letters Patent No. 774,568, dated November 8, 1904.

Application filed February 10, 1904. Serial No. 192,917. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. DELEHANT, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Die-Stock, of which the following is a full, clear, and exact description.

This invention relates to improvements in stocks for thread-cutting dies, an object being to provide a die-stock with a simple means for quickly adjusting it to different sizes of pipes or rods on which a thread is to be cut and serving as a guide to cause a perfectly straight cut of thread.

Other objects of the invention will appear in the general description.

I will describe a die-stock 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 plan view of a die-stock embodying my invention. Fig. 2 is a side view thereof. Fig. 3 is a section on the line 3-3 of Fig. 1. Fig. 4 is a section on the line 4-4 of Fig. 2. Fig. 5 is a perspective view of one of the guide-blocks, and Fig. 6 is a sectional detail showing the guide-block as moved inward.

Referring to the drawings, 5 designates the head of the stock, to which the usual handles 6 are connected. The head is provided with a chamber 7 for receiving a thread-cutting die 8. The top wall of this chamber as here shown consists of a plate 9, secured to the head by means of screws; but the said top wall may be in some instances formed integral with the head. The chamber 7 opens outward at one side, so that a die may be placed in the chamber or removed therefrom laterally. The outward lateral opening is provided with a sliding closure 10.

Extended downward from the under side of the head 5 is a guide-tube 11, which is exteriorly threaded, and this tube is provided with longitudinal slots 12, in which guide-blocks 13 are movable. The shank portions of these guide-blocks are resilient, so that the

lower ends may be moved inward to adjust the same to different sizes of pipe or rods. The upper ends of the guide-blocks have hook portions 14, which extend outward through the slots 12 and engage with a locking-nut 15. By this construction a block, should it be broken, may be readily removed and a new one put in its place. Each block 13 has an inwardly-extended portion 16 for engaging directly with the tube or rod, and it also has an outwardly-extended portion 17, beveled downward and outward on its upper side to form a cam-surface, engaged by a correspondingly-shaped flange 18 on an adjusting-nut 19, engaging with the thread of the tubular projection 11.

When the parts are in the position indicated in Fig. 3, the stock is adjusted for the largest size pipe or rod for which it is designed. For cutting thread on a small pipe or rod the nut 19 is to be moved downward to force the guide-blocks 13 inward, as indicated in Fig. 6.

By providing the chamber in the head with a lateral opening a thread-cutting die may be more quickly placed in position than in the ordinary style of stock in which the die is inserted from the top.

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

1. A die-stock comprising a die-carrying head, a tubular extension on said head and having an exterior thread and also provided with longitudinal slots, guide-blocks arranged to move in said slots and having cam-surfaces at their lower outer ends, a nut movable on the thread of said extension for engagement with the cam-surfaces, and spring members for moving the blocks in one direction.

2. A die-stock comprising a head having a chamber for receiving a die, a tubular extension on said head and having an exterior thread and also provided with longitudinal slots, spring-yielding guide-blocks arranged in said slots and having cam-surfaces at their lower outer ends, and an adjustable nut movable on the tubular extension and engaging with said cam-surfaces.

3. A die-stock comprising a head, a tubular extension on said head and having an exterior

thread and also provided with longitudinal slots, spring-yielding guide-blocks arranged in said slots and having hook-shaped upper ends extended outward, a locking-nut engaging with the thread of the tubular extension and also engaging with said hook ends, and means for adjusting the guide-blocks relatively to the center of the tube.

4. A die-stock comprising a head having a chamber for receiving a die, a tubular extension on said head provided with an exterior thread and also having longitudinal slots, guide-blocks arranged in said slots and having outwardly-extended hook-shaped upper ends, a locking-nut engaging with the thread

of the tubular extension and also engaging with said hook ends, the said blocks being of resilient metal and having inward extensions and also having outward extensions inclined on the upper side, and a nut operating on the tubular extension and having an inclined flange portion for engaging with the inclined surfaces of said blocks.

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

JOHN J. DELEHANT.

Witnesses:

RICHARD J. POWERS,
JOSEPH W. MCCARTHY.