

No. 771,147.

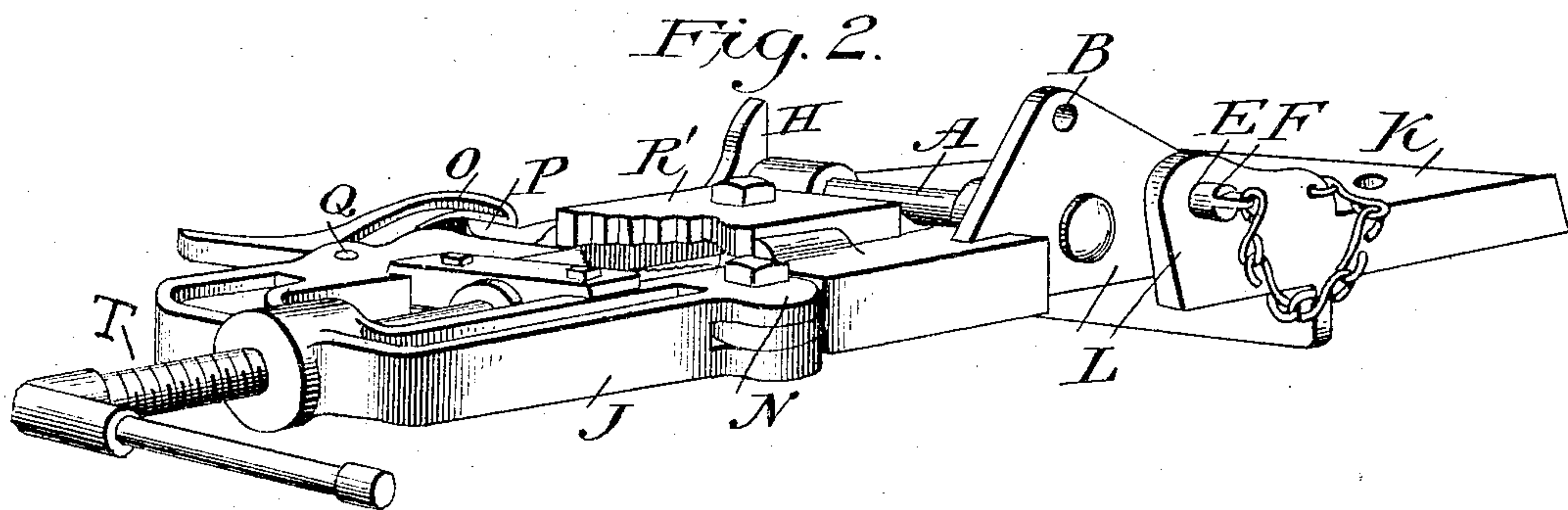
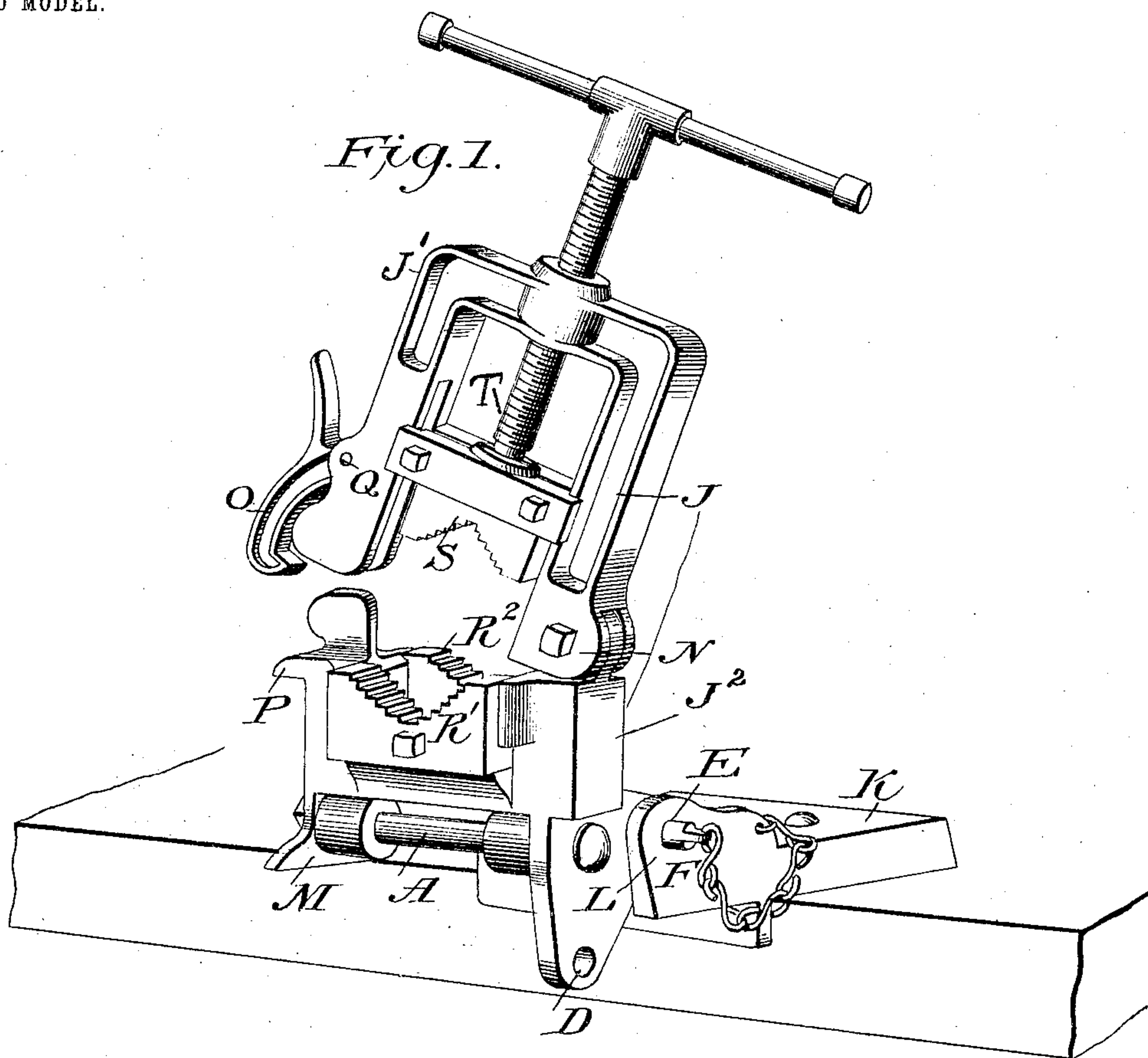
PATENTED SEPT. 27, 1904.

E. HENDERER.

## PIPE VISE.

APPLICATION FILED AUG. 10, 1903.

NO MODEL.



Witnesses:

Assuredly  
Percy L. Henderson.

*Inventor:*

Edmond Keender



# UNITED STATES PATENT OFFICE.

EDMOND HENDERER, OF WILMINGTON, DELAWARE.

## PIPE-VISE.

SPECIFICATION forming part of Letters Patent No. 771,147, dated September 27, 1904.

Application filed August 10, 1903. Serial No. 168,933. (No model.)

*To all whom it may concern:*

Be it known that I, EDMOND HENDERER, a citizen of the United States, and a resident of Wilmington, in the county of Newcastle and State of Delaware, have invented a new and Improved Pipe-Vise, of which the following is a full, clear, and exact description.

The object of this invention is to provide a new and improved pipe-vise which is simple and durable in construction and so arranged that it can be held on the bench or other support in either a horizontal or a vertical or in an angular position, as desired by the operator, to facilitate the holding a pipe or rod in either position to be worked upon.

The invention also consists of a pipe-vise the frame of which pivots on a shaft which connects said frame with the base, so that said frame can be moved in the desired positions before mentioned and locked in said positions by the use of a locking-pin inserted in apertures made for that purpose.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter and pointed out in the claims.

Reference may be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of the pipe-vise, showing it in its elevated position. Fig. 2 is a similar view of the same in its horizontal position.

The improved pipe-vise is provided with the base K, adapted to be bolted or otherwise fastened to the top or side of a bench or other support. The frame J is pivoted on the shaft A, so that said frame can be moved in any angular position within an angle of ninety degrees. The frame J can be secured in the desired position by means of the locking device L. The base K is provided with the hole E, in which to insert the locking-pin F. The frame J is provided with the holes B and D in its lower section, one on either side of the shaft A, said holes being adapted to be brought in line with the hole E to receive the locking-pin F, thus securing the frame J in the desired positions. By increasing the number

of holes the variety of adjustment may be increased, and this I consider within the scope of my invention.

The lower section of the frame J is provided with the stop H, which will rest against the base K when the frame J is moved to a vertical position, the pin F being entered in the holes B and E. The lower section of the frame J is also provided with the stop M, which will rest against the face of the base K when the frame J is moved to a horizontal position, the pin F being entered in the holes D and E.

The vise is so arranged as to take in a pipe or rod from either the side or end. To accomplish this, the frame J is made in two parts. The upper section of the frame J is connected with the lower section by a bolt or rod inserted through a hole in a projection from both the upper and lower sections at the joint N, which enables the operator to swing the upper section sidewise, making an opening on one side sufficient to allow a pipe or rod to be placed therein.

To hold the frame J in position when closed, said frame is provided with the latch O, which pivots on the pin Q. The lower section of said frame is provided with the projection P, which receives and holds the latch O firmly in position behind it, thus securing the upper section of the frame to the lower after a pipe or rod has been inserted between the jaws of the vise.

To secure or hold the pipe or rod, the vise is provided with the fixed jaws R' and R<sup>2</sup> and with the movable jaw S, which is moved by means of the screw T. The jaws R', R<sup>2</sup>, and S are provided with the teeth or steps that are seen in the accompanying drawings to prevent a pipe or rod from slipping when the jaws are pressed upon it.

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

1. A vise-mount consisting of a base and a vise-carrying frame, pivoted thereto, said frame having projections on its opposite sides adapted to engage the top or side face of the base, to limit the adjustment of the vise substantially as set forth.

2. A vise-mount consisting of a base and a vise-carrying frame pivoted thereto, said frame having stop projections adapted to engage the base at the extremes of movement  
5 of the parts, registering apertures in the base and frame, and a locking-pin adapted to engage the same to lock the vise in its several positions, substantially as set forth.
3. A vise-mount consisting of a base adapt-

ed for application to the top or side of its support, a vise-carrying frame pivoted thereto, said frame having means to lock it at different angles to the base and stops to limit its angular adjustment as herein set forth.

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Witnesses:

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