

A. SENN.

PIPE VISE.

APPLICATION FILED AUG. 18, 1908.

912,187.

Patented Feb. 9, 1909.

2 SHEETS—SHEET 1.

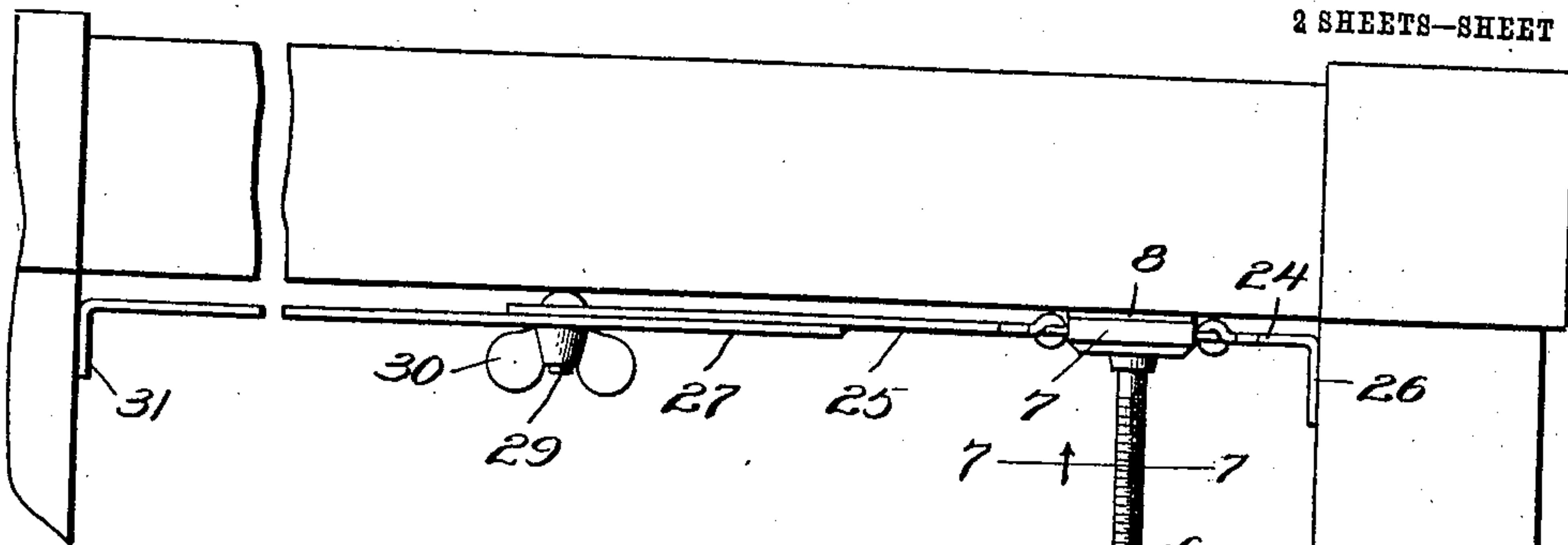


Fig. 2.

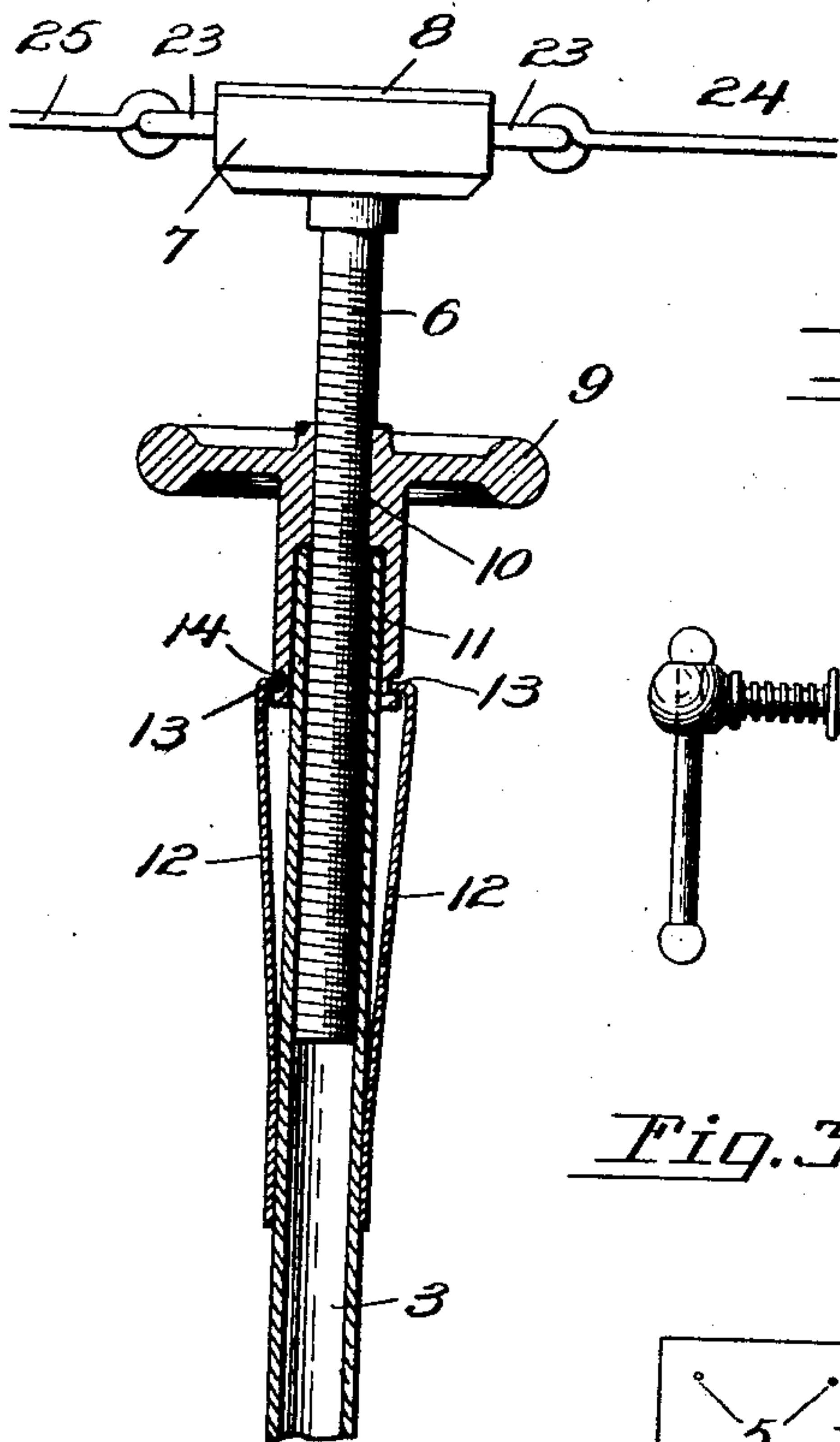


Fig. 1.

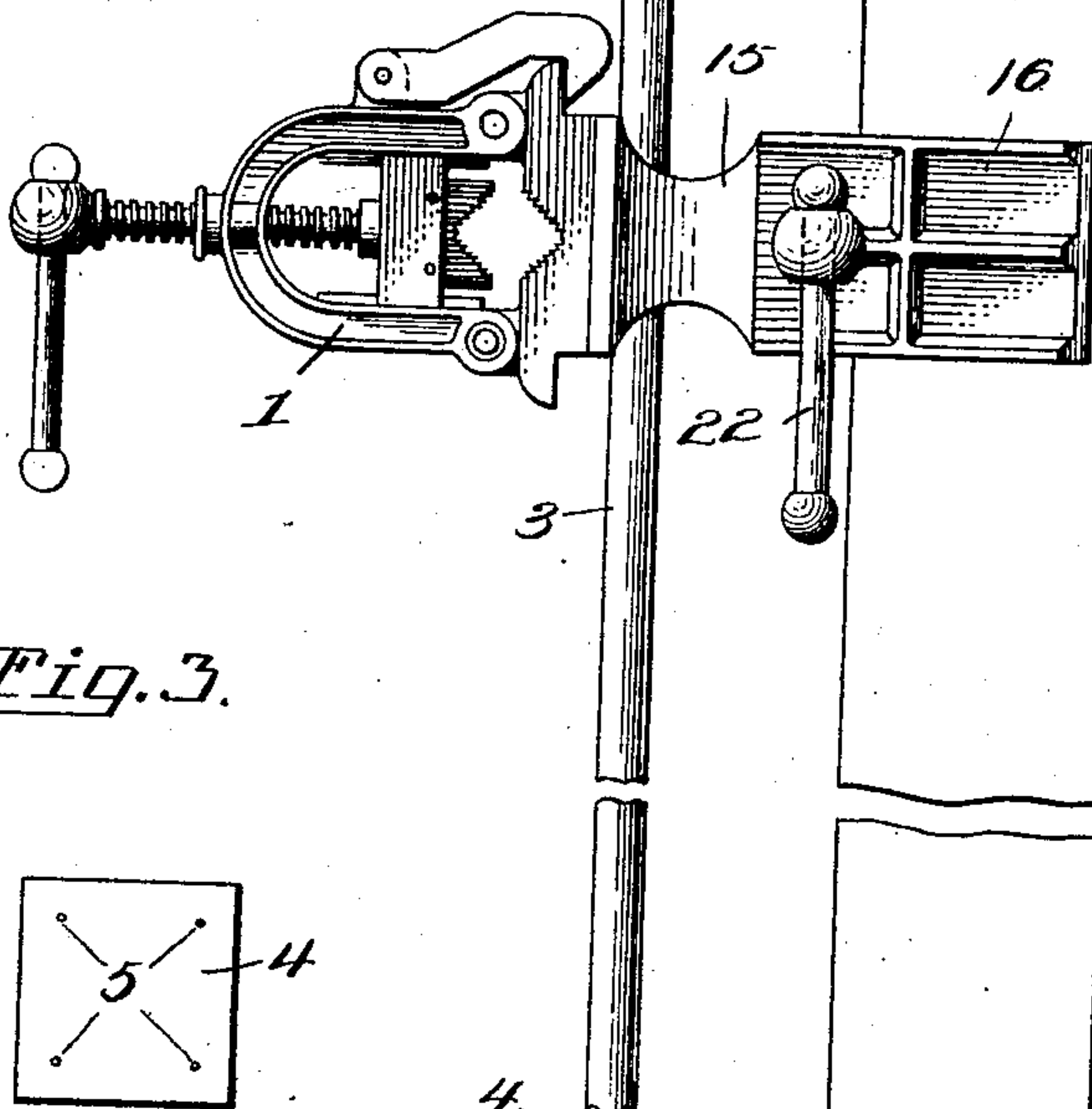


Fig. 3.

Witnesses

F. C. Gibson.

A. R. Brumley

Inventor

August Senn.

By Victor J. Evans

Attorney

A. SENN.
PIPE VISE.

APPLICATION FILED AUG. 18, 1908.

912,187.

Patented Feb. 9, 1909.

2 SHEETS—SHEET 2.

Fig. 4.

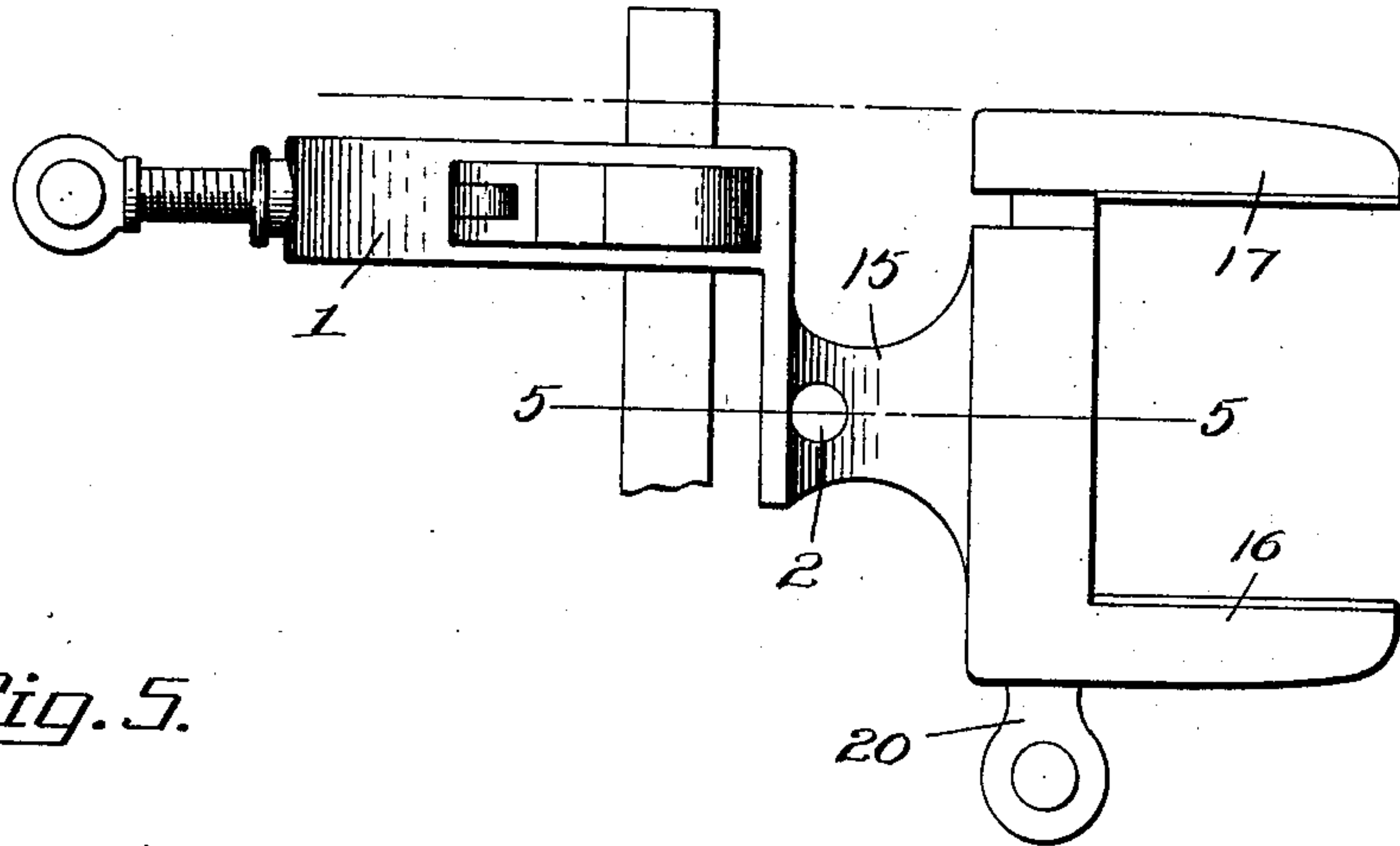


Fig. 5.

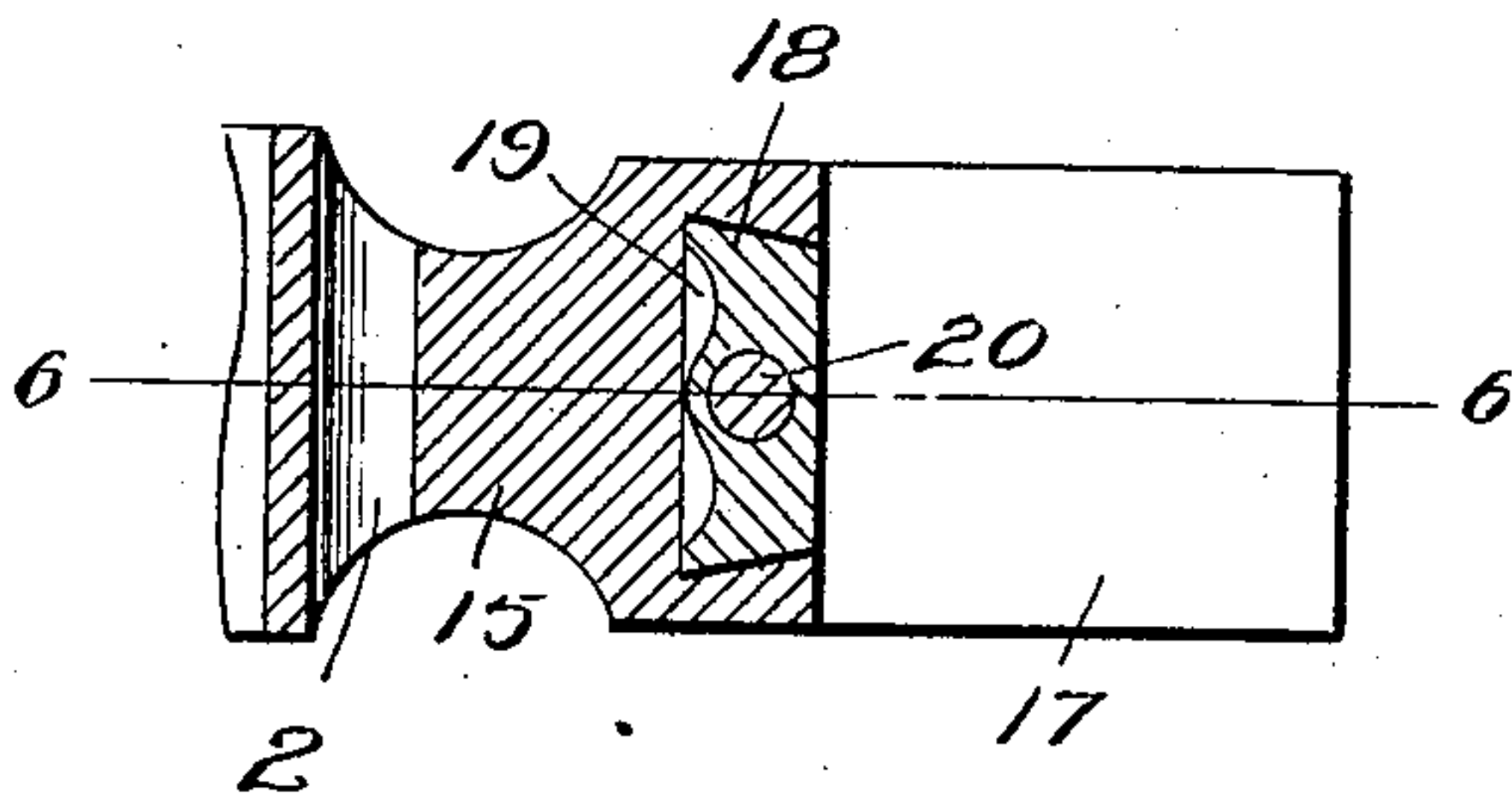


Fig. 6.

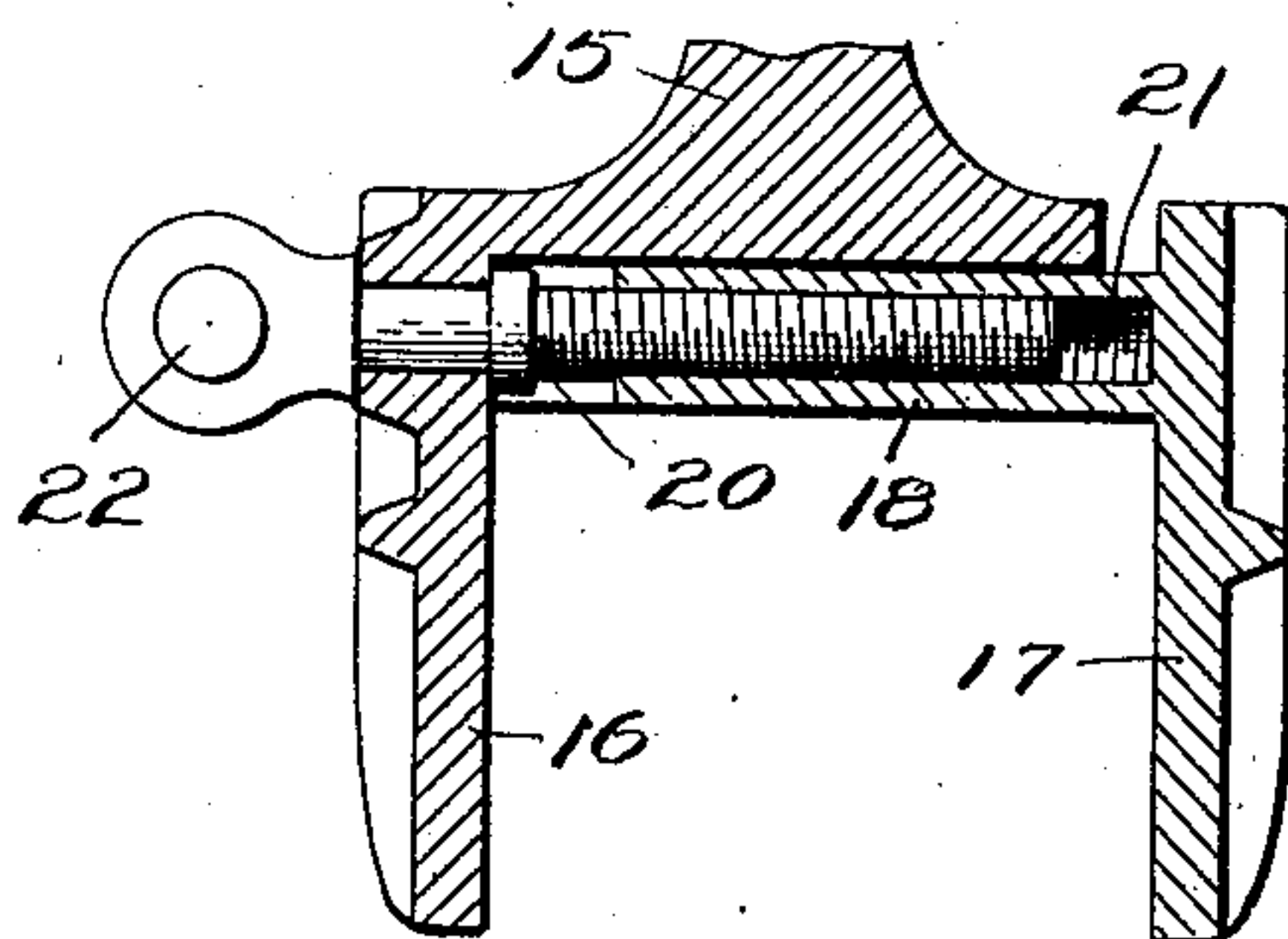
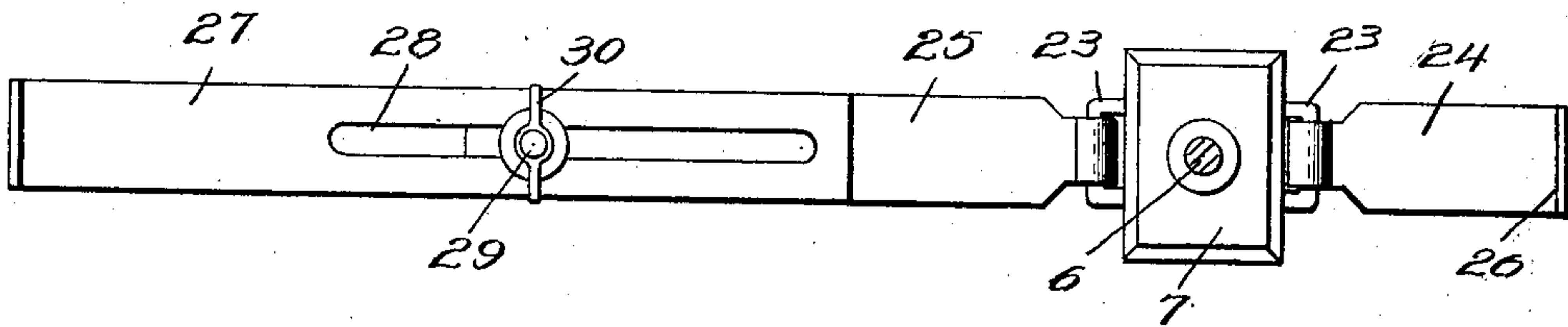


Fig. 7.



Inventor
August Senn.

Witnesses
F. C. Gibson.
E. P. Bunker.

By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

AUGUST SENN, OF MARSHFIELD, WISCONSIN.

PIPE-VISE.

No. 912,187.

Specification of Letters Patent.

Patented Feb. 9, 1909.

Application filed August 18, 1908. Serial No. 449,056.

To all whom it may concern:

Be it known that I, AUGUST SENN, a citizen of the United States of America, residing at Marshfield, in the county of Wood and State of Wisconsin, have invented new and useful Improvements in Pipe-Vises, of which the following is a specification.

This invention relates to pipe vises, and one of the principal objects of the same is to provide simple and efficient means for mounting and securing in place a pipe vise for use during the construction of a house or building.

It is a well known cause for annoyance and difficulty to plumbers and gas fitters during the construction of a new building to find a desirable place to secure a pipe vise without injuring the wood work of a building. It is to overcome this difficulty and to provide simple means for mounting a vise without injury to the woodwork of a building that my invention is designed.

The objects and advantages referred to may be attained by means of the construction illustrated in the accompanying drawing, in which,

Figure 1 is a view in elevation showing a pipe vise mounted upon and secured in a door frame. Fig. 2 is a detail sectional view showing the manner of adjusting the extension bar for bracing the pipe vise in place. Fig. 3 is a bottom plan view of the foot of said extension bar. Fig. 4 is a detail side elevation of the vise clamp. Fig. 5 is a detail sectional view, taken on the line 5—5 of Fig. 4. Fig. 6 is a detail sectional view taken on the line 6—6 of Fig. 5. Fig. 7 is a sectional view on the line 7—7 of Fig. 1, looking in the direction indicated by the arrows.

Referring to the drawings, the numeral 1 designates a pipe vise which may be of the usual or any preferred construction. Extending through the shank of the vise is an aperture 2 for the extension brace 3. This extension brace is provided with a foot 4 armed with suitable prongs 5 which serve to hold the extension brace in position when adjusted. Extending into the upper end of the member 3 of the extension brace is a threaded rod 6 carrying at its upper end a head 7 provided with a rubber or other frictional pad 8 serving to prevent the slipping of the brace when secured in place. A hand nut 9 having a threaded bore 10 is mounted

on the rod 6, said hand nut having a recess 11 therein to accommodate the upper end of the member 3 of the extensible brace. To prevent the nut 9 and the rod 6 from dropping out of the hollow member 3 when not in use I have provided a spring holding device 12 having inwardly extending lips 13 which fit a groove 14 surrounding the boss of the hand nut 9.

The clamp 15 for the vise consists of a rigid member 16 and a movable member 17, said movable member comprising a dovetail slide 18 fitted into a dovetail guideway 19 in the member 16. A screw 20 extends through the member 16 and into a threaded socket 21 in the member 17, as shown more particularly in Fig. 6. This clamp is designed to engage the sides of a door frame, but may be applied to other devices or to other parts of a building. A sliding rod 22 fits into the screw 20 for turning the same. Upon opposite sides of the foot 7 loops 23 are provided, and hinged to the loops 23 are the adjustable braces 24 and 25. The member 24 is provided with a downwardly extending foot 26 adapted to bear against the side frame of the door, while the member 25 is connected to the adjusting bar 27 provided with a slot 28 through which a binding screw 29 passes, said screw extending through the member 25 and being fitted with a thumb nut 30. At the outer end of the bar 27 a foot 31 is provided which is adapted to bear upon the inner surface of the door frame.

The operation of my invention may be briefly described as follows:—The clamp 15 is secured to the door frame *a*, as shown in Fig. 1. The extensible brace is then secured in place by turning the hand nut 9 to force the foot 4 and the head 7 into engagement with the top of the door frame and the door sill. The brace at the top of the door may then be adjusted to prevent any movement of the parts.

My invention is comparatively simple in construction, will hold a pipe vise at various places in a building during construction, is quick in operation, is strong and durable and is not liable to get out of order.

I claim:—

1. A holding device for a pipe vise comprising a clamp, an extension brace passing through the shank of said clamp, an extension rod mounted in said brace, a hand nut

on said extension rod, and an adjustable cross brace for securely holding the end of the rod and the extension brace in position.

2. In a device of the character described, 5 the combination of a vise, a clamp therefor, an extensible brace passing through the clamp, a rod extending into said extensible brace, a hand nut for adjusting said brace, a head on said rod, a foot on said extensible

brace, and an extensible cross brace connected 13 to said head and provided with means for holding said members in adjusted position.

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

AUGUST SENN.

Witnesses:

ROSS E. ANDREWS,
MATT WRIGHT.