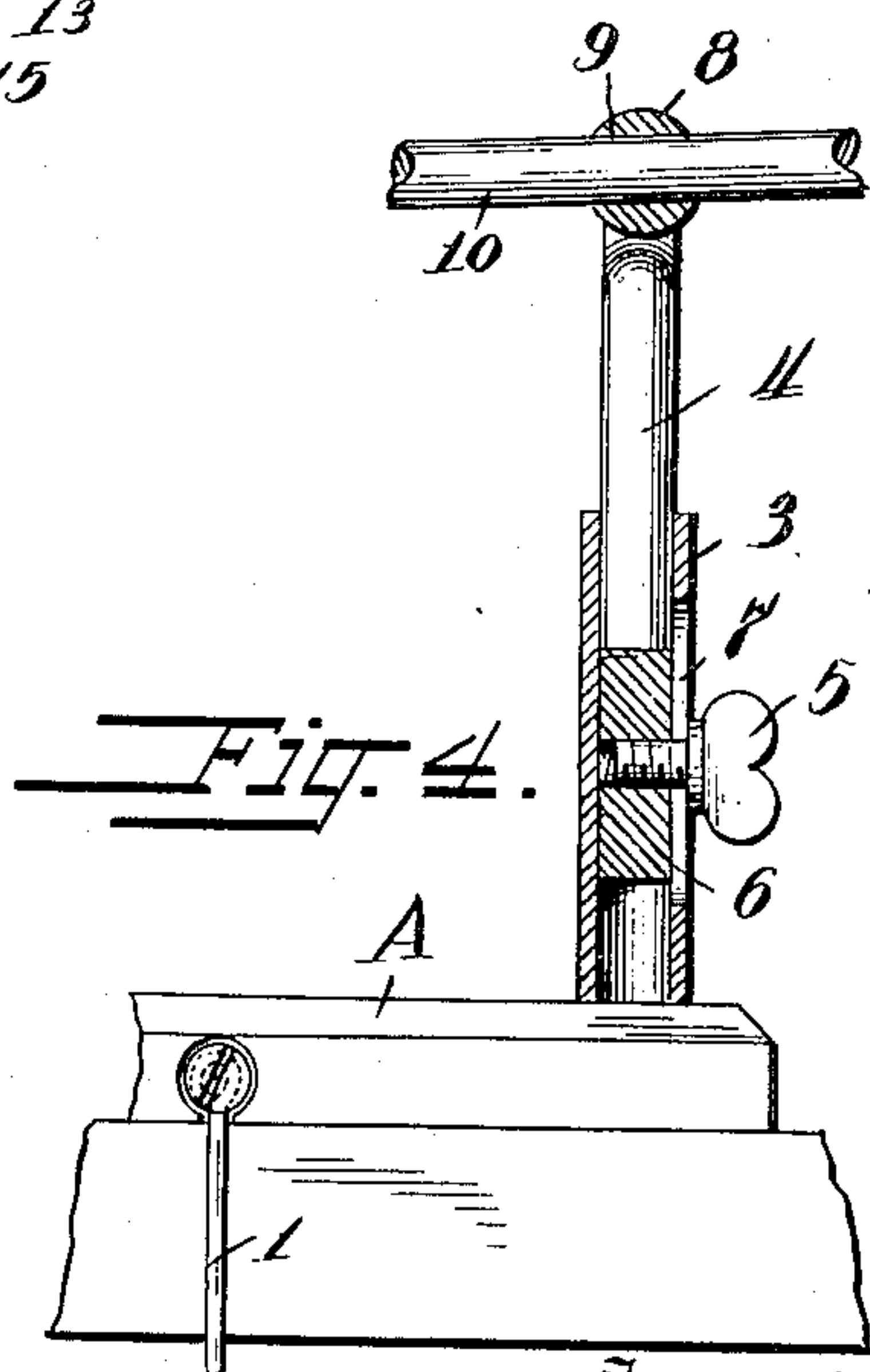
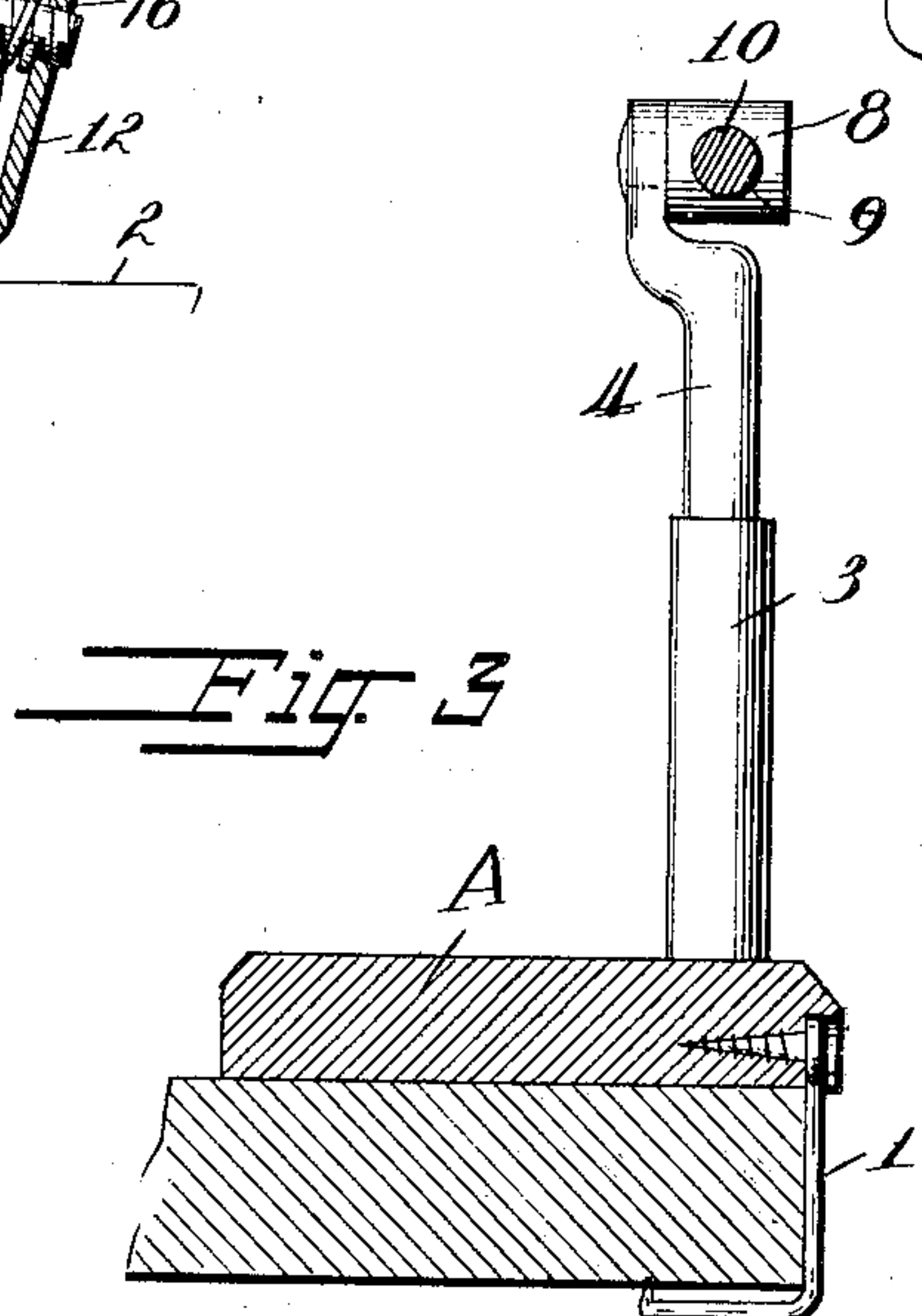
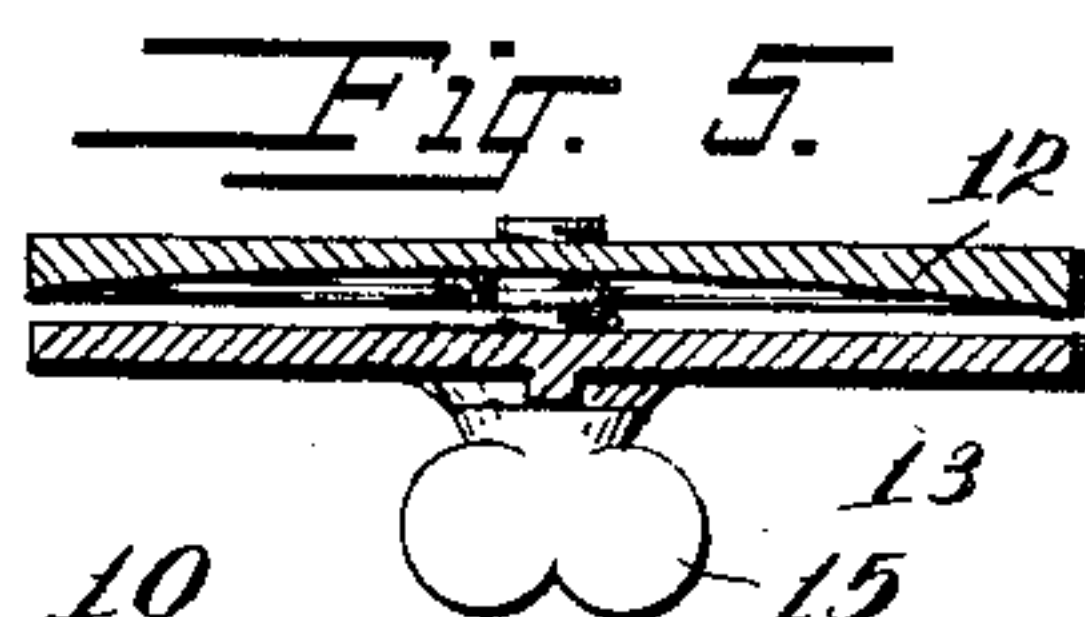
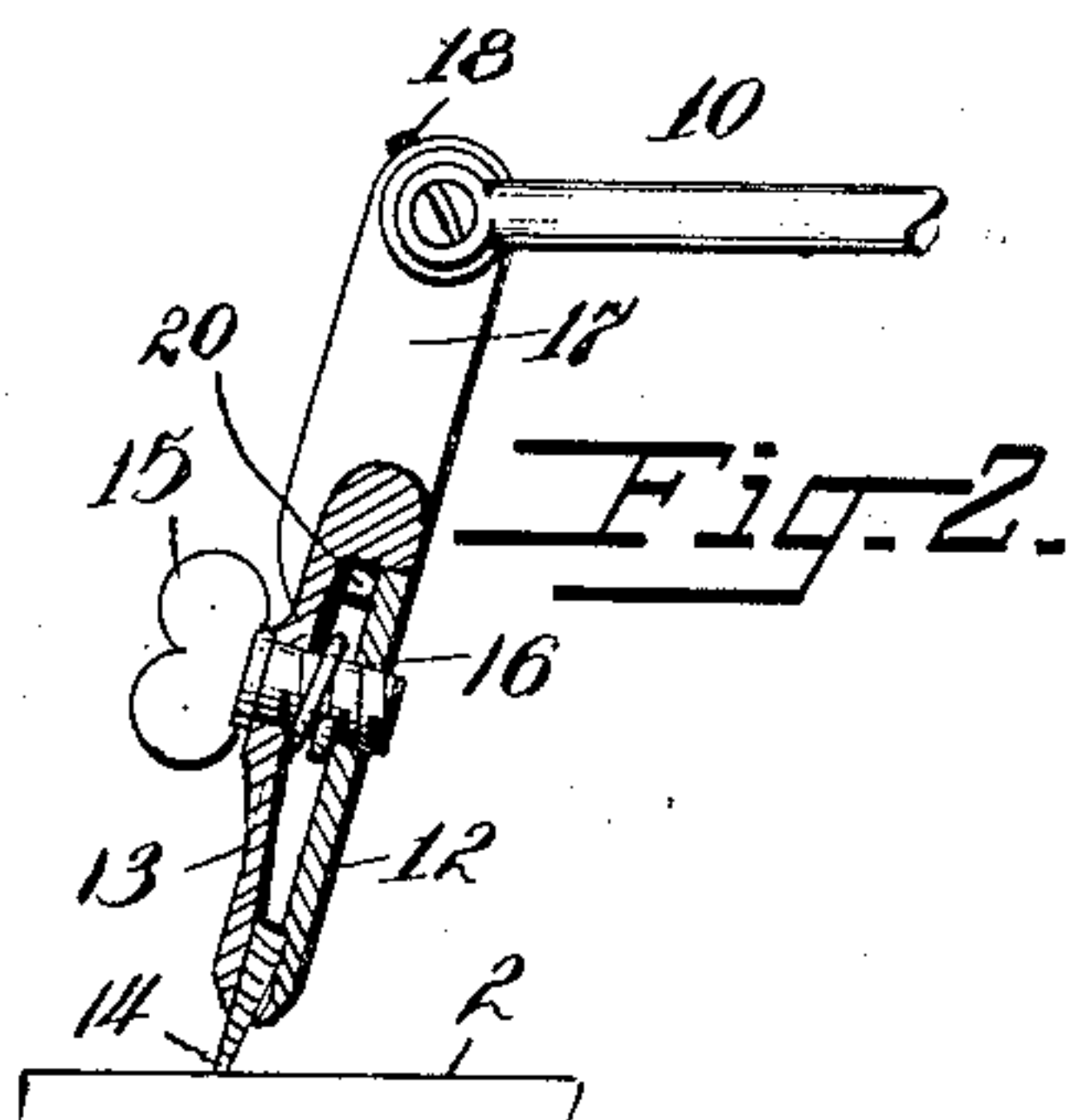
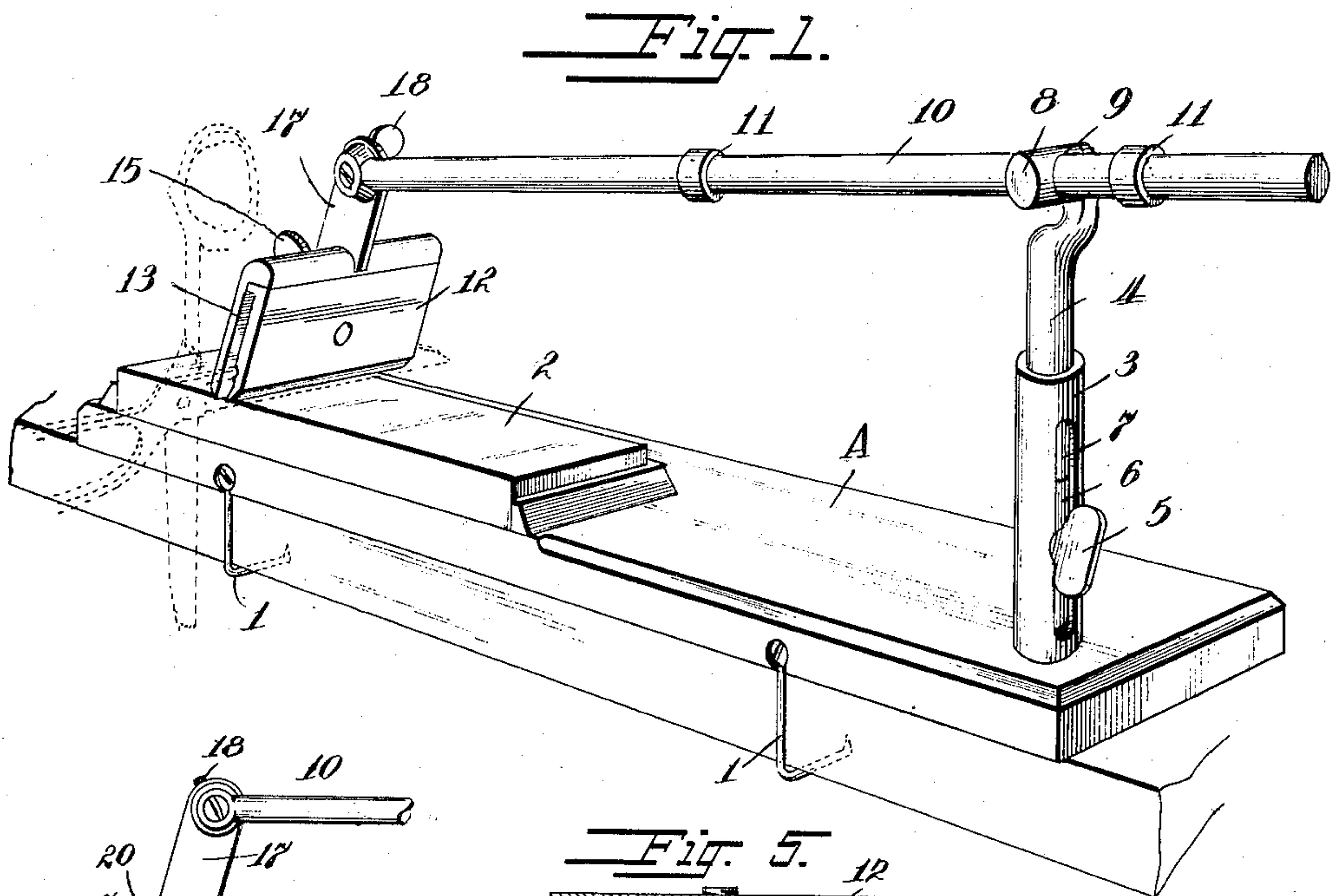


No. 828,853.

PATENTED AUG. 14, 1906.

E. C. IVES.
SHEARS AND SCISSORS SHARPENER.

APPLICATION FILED OCT. 23, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

ERNEST C. IVES, OF WARREN, PENNSYLVANIA, ASSIGNOR TO JAMES H. PERKS AND THOMAS PERKS, OF WARREN, PENNSYLVANIA.

SHEARS AND SCISSORS SHARPENER.

No. 828,853.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed October 23, 1905. Serial No. 284,068.

To all whom it may concern:

Be it known that I, ERNEST C. IVES, a citizen of the United States, residing at Warren, in the county of Warren and State of Pennsylvania, have invented certain new and useful Improvements in Shears and Scissors Sharpeners, of which the following is a specification.

My invention relates to an improvement in shears and scissors sharpeners; and the object is to provide a simple portable device of the character mentioned in which an oil-stone or other sharpening medium may be held in connection with means for clamping and sliding the shears at the upper angle thereacross.

My invention further consists in certain novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective of my improved sharpener. Fig. 2 is a transverse section through the clamp. Fig. 3 is a transverse section through the base and rod 10, showing the post in elevation. Fig. 4 is a longitudinal vertical section through the post and swiveled bearing. Fig. 5 is a longitudinal section through the clamp, and Fig. 6 shows a slightly-modified form of rod 10.

A represents the base of my improved shears and scissors sharpener, it being adapted to rest on a table or bench and be conveniently screwed in position by means of fasteners 1 1.

The stone or other sharpening device 2 is held in position on the base, as shown in Fig. 1, it being removable therefrom, preferably by moving it sidewise.

A hollow post 3 is erected at one end of the base, and the shank 4 is supported therein at such elevation as may be desired, the elevation being regulated by a thumb-screw 5 in the block 6 and a slot 7 being provided for the thumb-screw to work up and down in.

The shank 4 is provided with a swiveled bearing 8 at the upper end to project laterally thereover. This bearing is provided with a hole 9. A rod 10 is slidable back and forth and is held in the swiveled bearing, it being limited in its movements by the collars or enlargements 11 11. One form of rod 10 is shown in Fig. 1, and a slightly-modified form is illustrated in Fig. 6.

The clamp is adjustably connected with the forward end of rod 10. This clamp consists of two jaws 12 and 13, and blade 14 of the shears or scissors is held between them by turning the thumb-screw 15, a spring 16 normally forcing the plates or jaws of the clamp apart when the screw is reversed to admit of removing the shears or scissors. One of these jaws is bowed, as shown in Fig. 5, through the center, so that they will clamp more securely when forced together by the thumb-screw 5. One jaw is also provided with lugs 20 20 at its end to keep the jaws parallel. These jaws are connected by the arm 17 with the end of rod 10, and their angle is regulated by the thumb-screw 18, which connects the arm to the rod adjustably. The opposite end of rod 10 serves as a handle.

From the foregoing it will be seen that the exact angle of the sharpened edge of the blade may be provided for by the elevation of the shank 4 in the post 3 and by the inclination of the clamp at the end of the rod when thus adjusted with the blade and clamped between the jaws. The operator simply grasps the handle end of rod 10, reciprocates the rod until the blade is sharpened, the sharpening medium 2 being used with oil, water, or dry. The stone or sharpening device 2 may be removed or replaced by sliding it laterally or lifting it from its seat. The entire article is simple and may be made at a comparatively small initial cost and is most effective in the performance of its function.

Slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction set forth; but,

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

1. The combination with a sharpening medium of a clamp for holding the article to be sharpened and a reciprocating rod to which the clamp is connected, and adjustable supporting means with which the rod has sliding connection.

2. The combination with a sharpening medium, of a clamp for holding the article to be sharpened and a reciprocating rod to which the clamp is adjustably connected, and verti-

cal adjustable support having a swiveled bearing through the medium of which the rod has sliding connection.

3. The combination with a base a sharpen-
5 ing device and a hollow post, of a shank supported in the post, a block adjustable up and down in the post for the support of the shank, a bearing swiveled to the shank, a rod having sliding connection through a hole in the bearing, and a clamp adjustably connected with
10 the rod.

4. The combination with a sharpening de-

vice of a clamp comprising two jaws, one of which is bowed lengthwise, means for clamping the jaws upon the blade to be sharpened, 15 and means for regulating and definitely determining the angle of the clamp.

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

ERNEST C. IVES.

Witnesses:

CURTIS M. SHAWKEY,
FLORENCE B. SHAWKEY.