

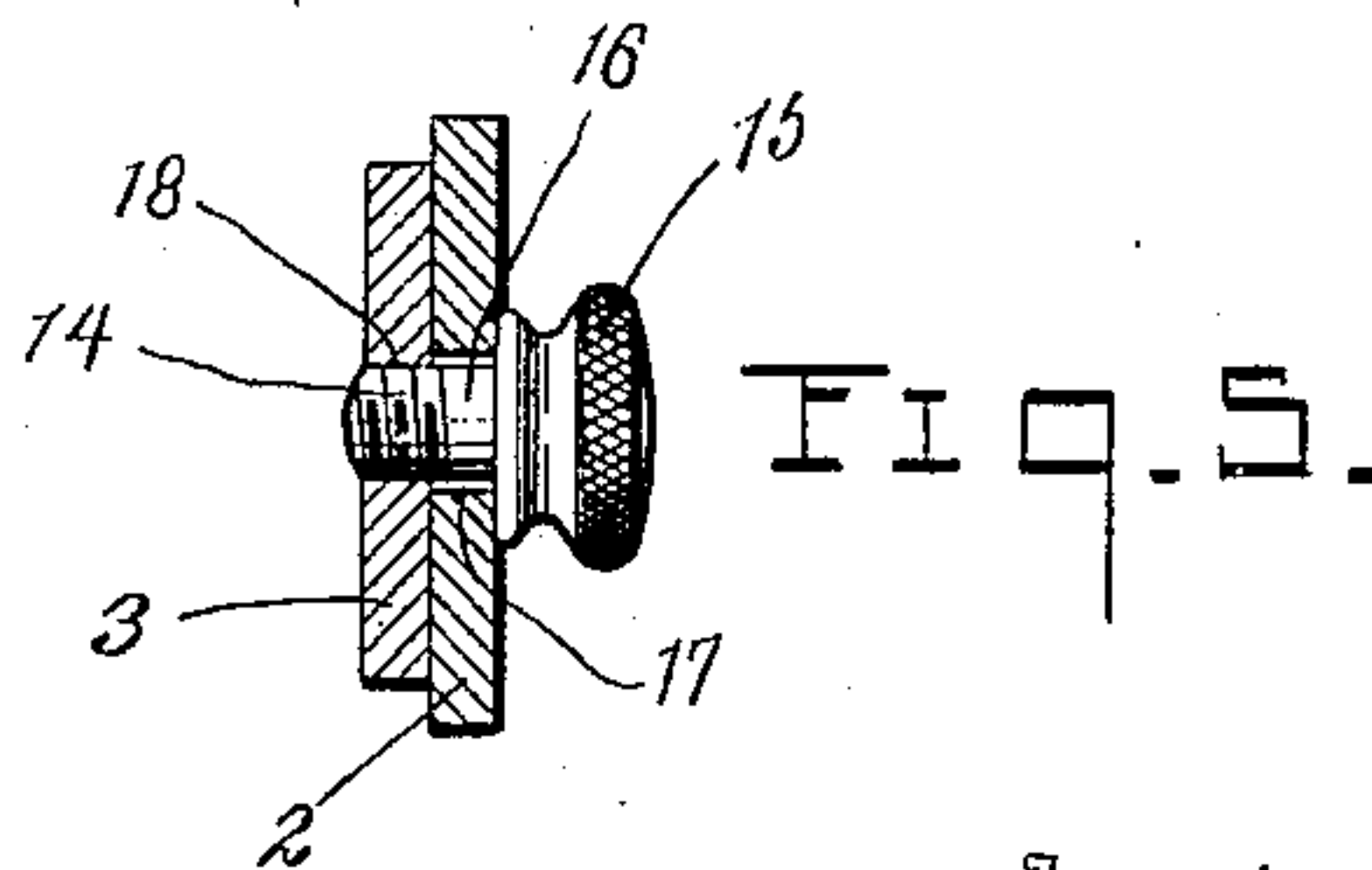
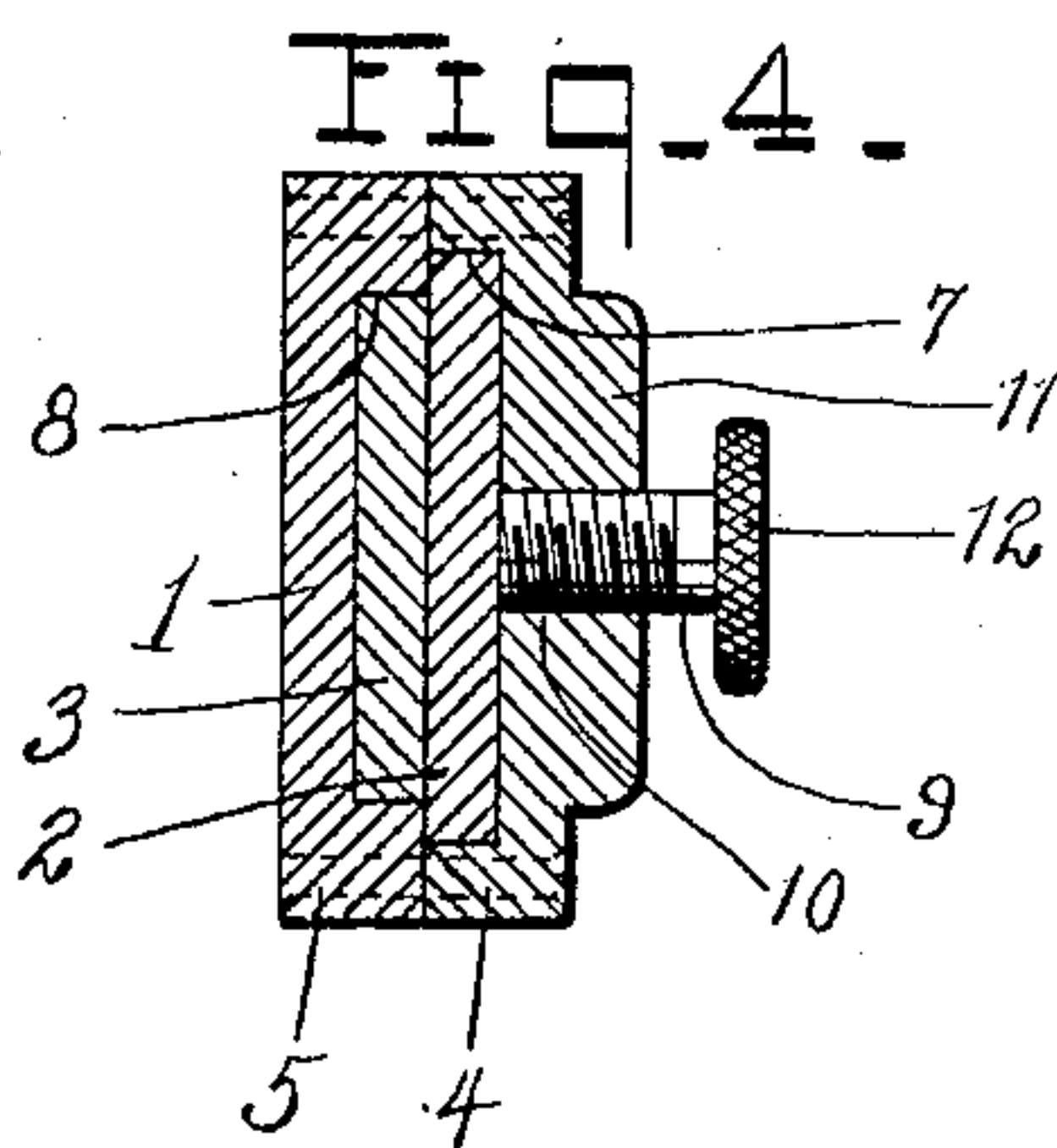
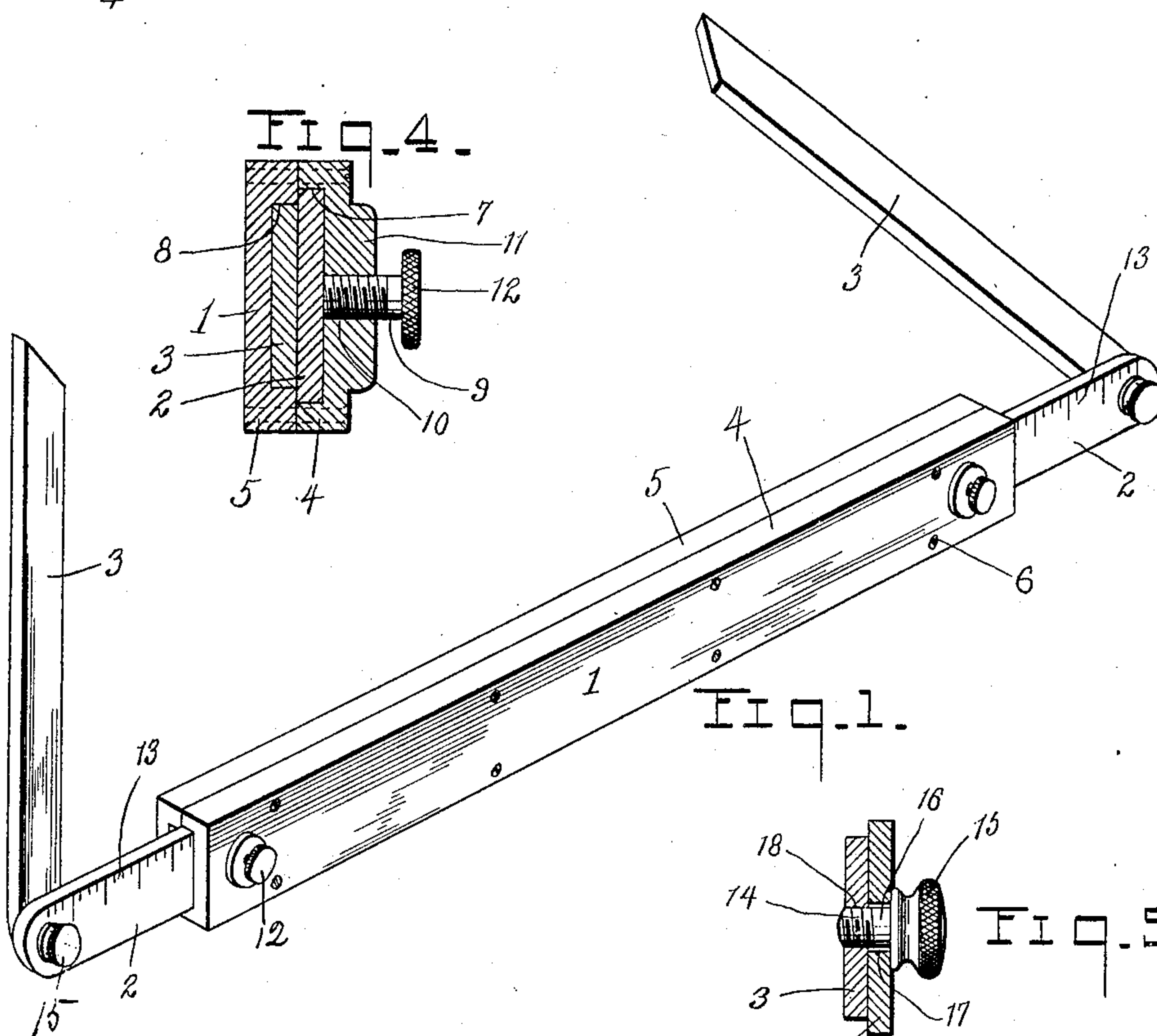
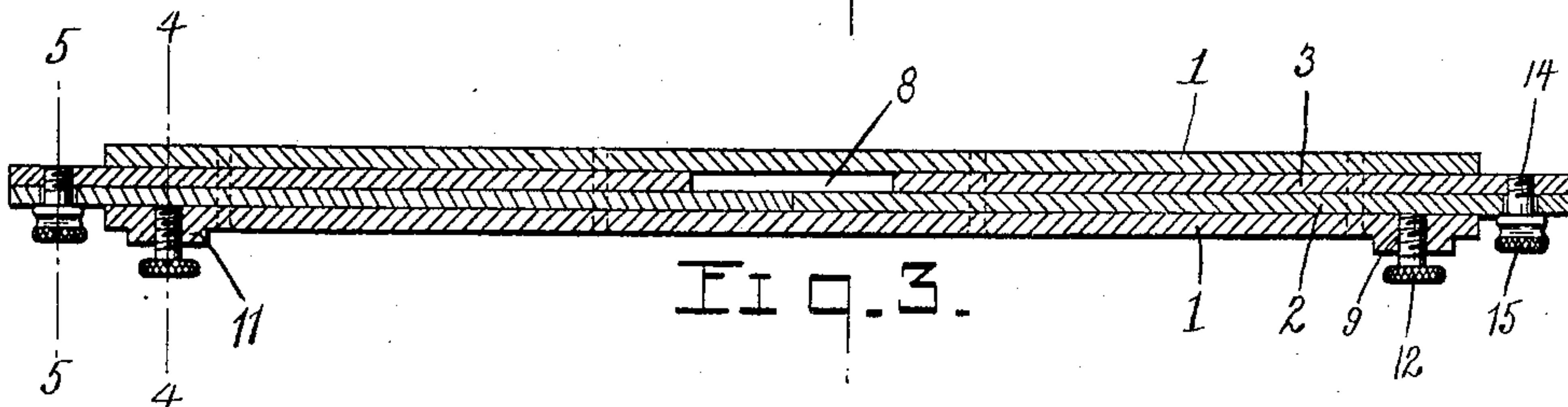
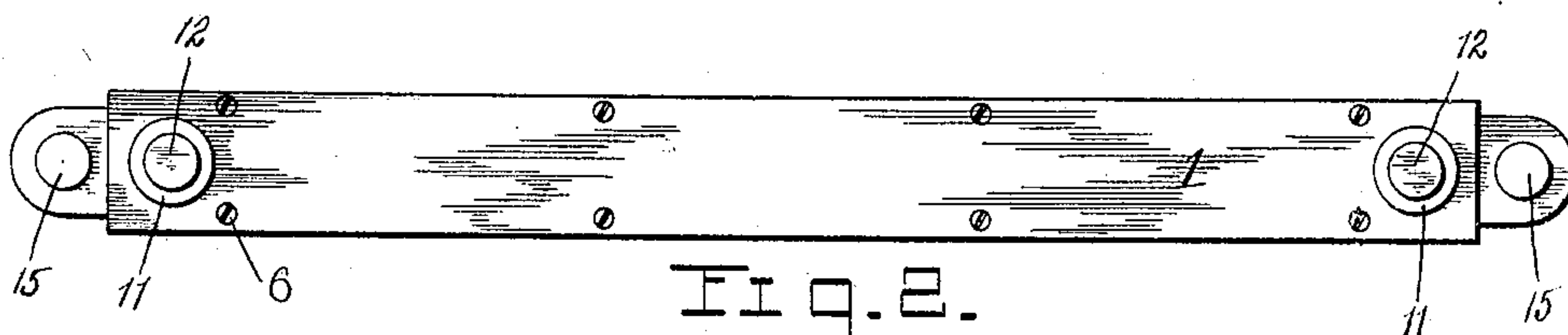
No. 896,847.

PATENTED AUG. 25, 1908.

O. S. MESSNER.

BEVEL.

APPLICATION FILED JAN. 28, 1908.



Witnesses

Chas. F. Jennings.  
L. O. Little.

O. S. Messner

Inventor

By Watson E. Coleman

Attorney



# UNITED STATES PATENT OFFICE.

OLIVER S. MESSNER, OF NEWBERRY, PENNSYLVANIA.

## BEVEL.

No. 896,847.

Specification of Letters Patent.

Patented Aug. 25, 1908.

Application filed January 28, 1908. Serial No. 413,051.

*To all whom it may concern:*

Be it known that I, OLIVER S. MESSNER, a citizen of the United States, residing at Newberry, in the county of Lycoming and State of Pennsylvania, have invented certain new and useful Improvements in Bevels, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in bevels and more particularly to one which is extensible or adjustable and which has two adjustable tongues or blades.

The object of the invention is to provide a bevel of this character which will be simple, strong, durable and comparatively inexpensive in construction and which may be conveniently and effectively used for various purposes.

With the above and other objects in view, the invention consists of the novel construction and the combination and arrangement of parts hereinafter described and claimed, and illustrated in the accompanying drawings, in which

Figure 1 is a perspective view of my improved bevel showing its slides extended and its blades adjusted in angular positions; Fig. 2 is a front elevation of the device showing its parts in their folded positions; Fig. 3 is a longitudinal section through the same; and Figs. 4 and 5 are transverse sectional views taken respectively on the planes indicated by the lines 4—4 and 5—5 in Fig. 3.

In the drawings 1 denotes the body or casing of my improved bevel in the opposite ends of which are mounted extensible slides 2 carrying at their ends pivoted blades or tongues 3. The body or casing 1 is composed of two similar half sections 4, 5, in the form of rectangular metal plates secured together by transverse screws 6. In the opposing inner faces of the plates 4, 5 are formed longitudinal grooves 7, 8 adapted to receive the slides 2 and blades 3. The groove 7 is formed in the member 4 and corresponds in width and depth to the width and thickness of the slides 2 which it is adapted to receive, while the groove 8 is formed in the plate 5 and is adapted to receive the blades 3, which latter are preferably of less width than the slides 2 as more clearly shown in Figs. 4 and 5. The slides 2 are adapted to slide freely into and out of the ends of the casing and they are adapted to be secured in an adjusted position by set screws 9 arranged in

threaded apertures 10 formed in the plate 4 and in bosses 11 formed on said plate adjacent to its ends. The screws 9 are adapted to have their inner ends impinge against the slides 2 and upon their outer ends are milled heads 12 which permit them to be readily tightened or loosened. The slides 2 are preferably provided with scale graduations 13 and have the blades or tongues 3 adjustably pivoted upon their outer ends by means of clamping screws 14. As shown in Fig. 3 the screws 14 are formed with milled heads 15 and reduced body portions 16 which project through apertures 17 in the slides 2 and enter threaded apertures 18 formed in the blades 3.

In operation it will be seen that when the set screws 14 are loosened the blades 3 may be swung to any desired angle and secured in such position by tightening the screws. When the blades 3 are swung into parallel relation to the slides 2 and the set screws 9 are loosened, both the blades and slides may be moved into the body or casing 1 as shown in Figs. 2 and 3. By tightening the screws 9 the blades may be secured in any adjusted position, as above mentioned. It will be noted that the device is exceedingly simple in construction and therefore strong and durable and capable of being produced at a comparatively small cost. It is also exceedingly easy to adjust and since it may be compactly folded it may be conveniently carried in a small tool chest or case.

Having thus described my invention what I claim is:

A bevel comprising a body composed of two similar rectangular half-sections or plates, one being formed upon its outer face adjacent to its end with bosses having screw threaded openings and upon its inner face with a groove extending longitudinally from end to end, the other half-section or plate having its inner or opposing face formed with a groove extending longitudinally from end to end and of less width than the groove in the first mentioned half-section, transverse fastenings uniting said half-sections of the body, slides arranged in the groove of the first mentioned half-section, set screws arranged in the threaded openings in the bosses of the first mentioned half-section and adapted to impinge against said slides to press them against the opposing half-section and secure them in an adjusted position, the outer ends of said slides being apertured,

blades having threaded apertures at their inner ends engaged with the outer ends of the slides, clamping screws passed through the apertures in the slides and into the threaded  
5 apertures in the blades to clamp the latter in adjusted angular positions upon the slides, said blades being adapted to be swung to positions parallel with the slides and to enter

the groove in the other half-section of the body, substantially as described. 10

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

OLIVER S. MESSNER.

Witnesses:

ARTHUR J. MADDOCK,  
JNO. A. C. KING.