

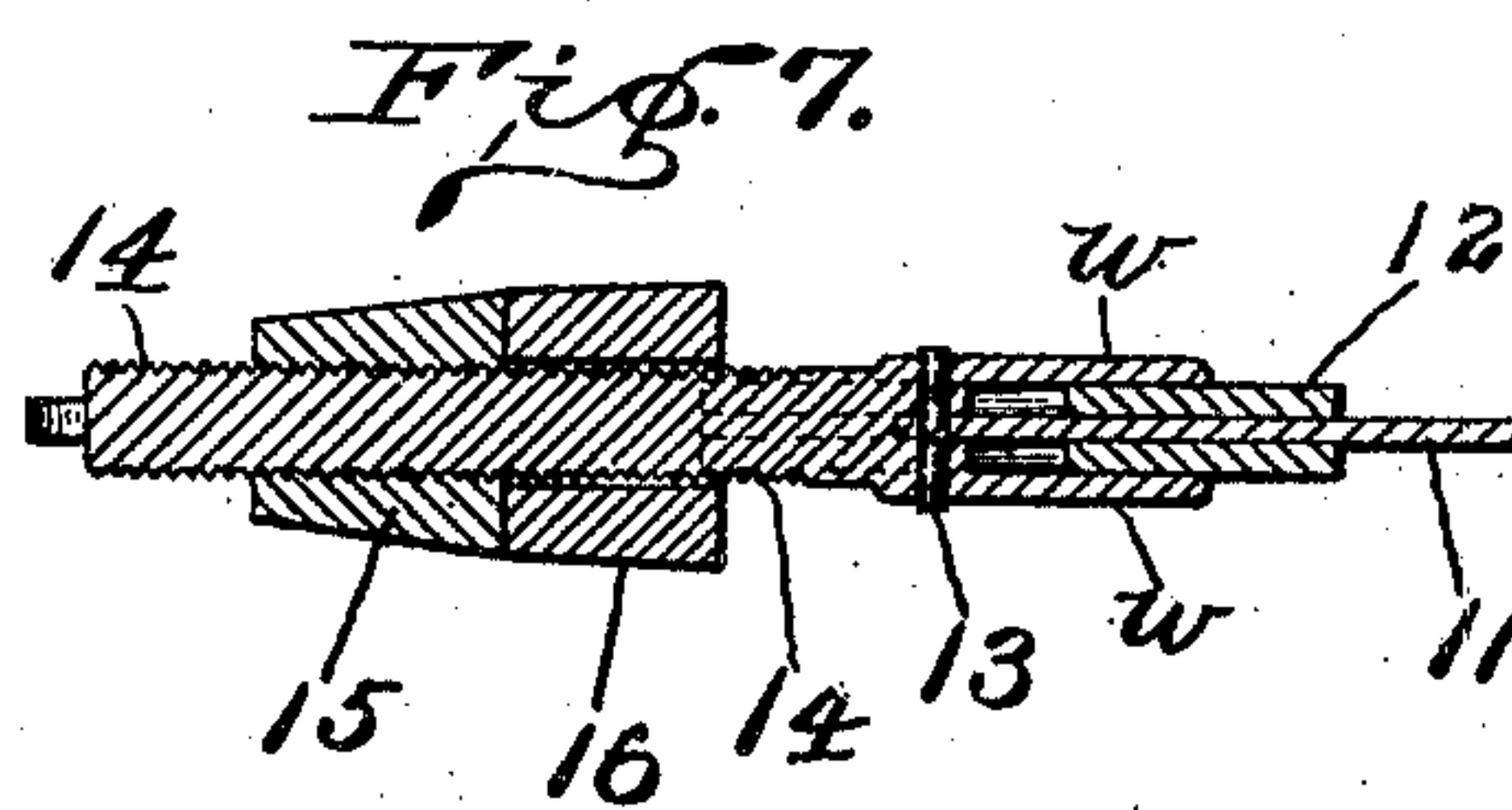
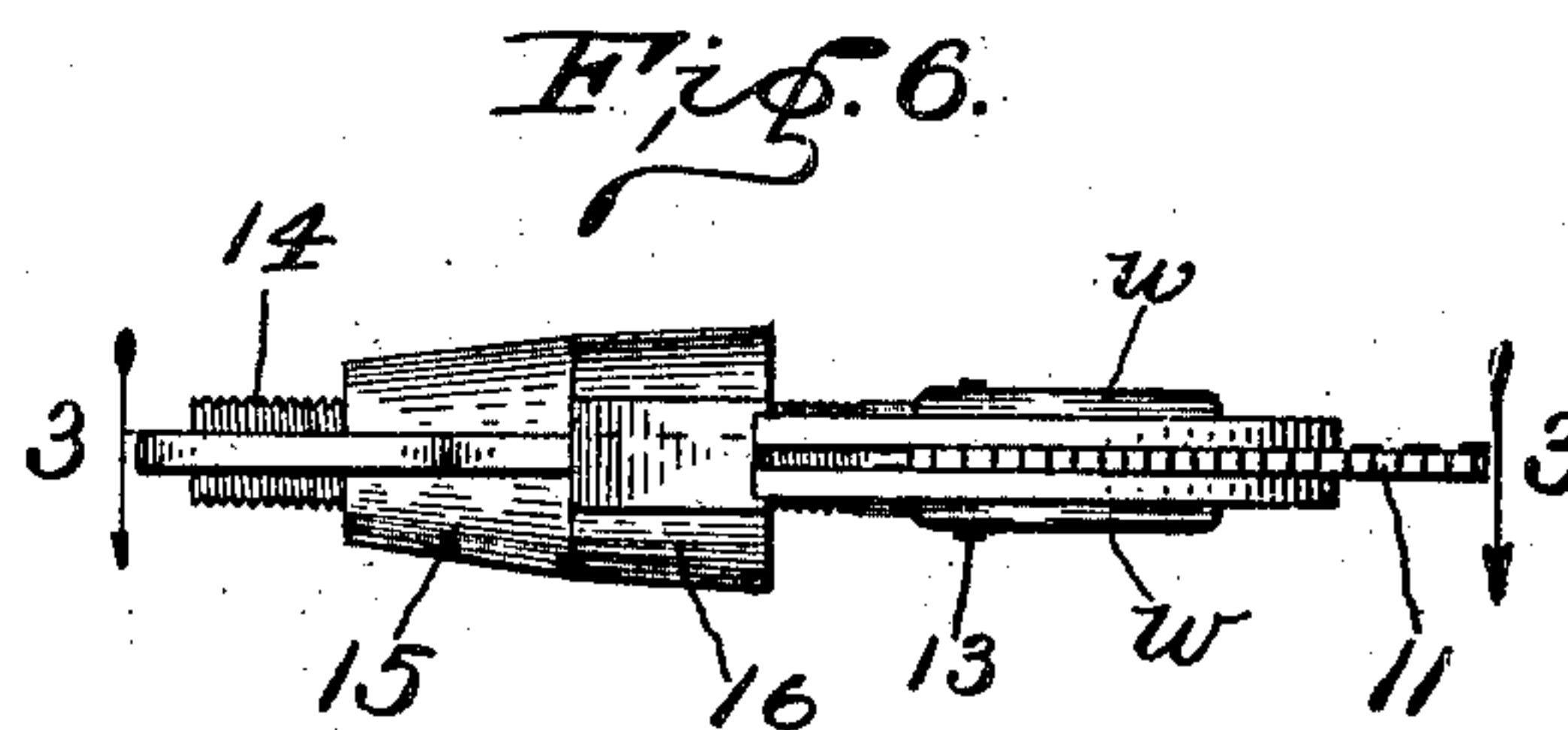
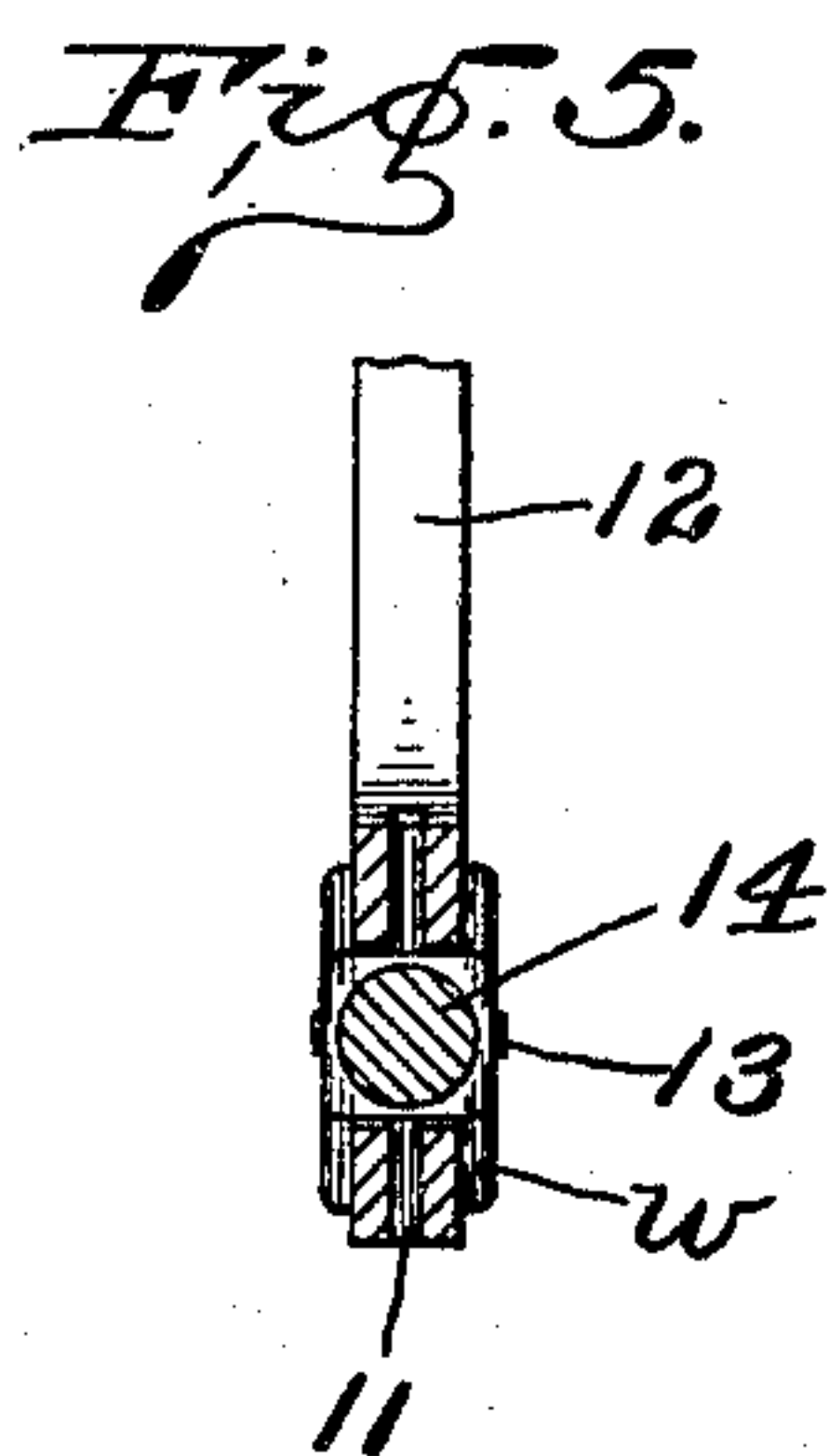
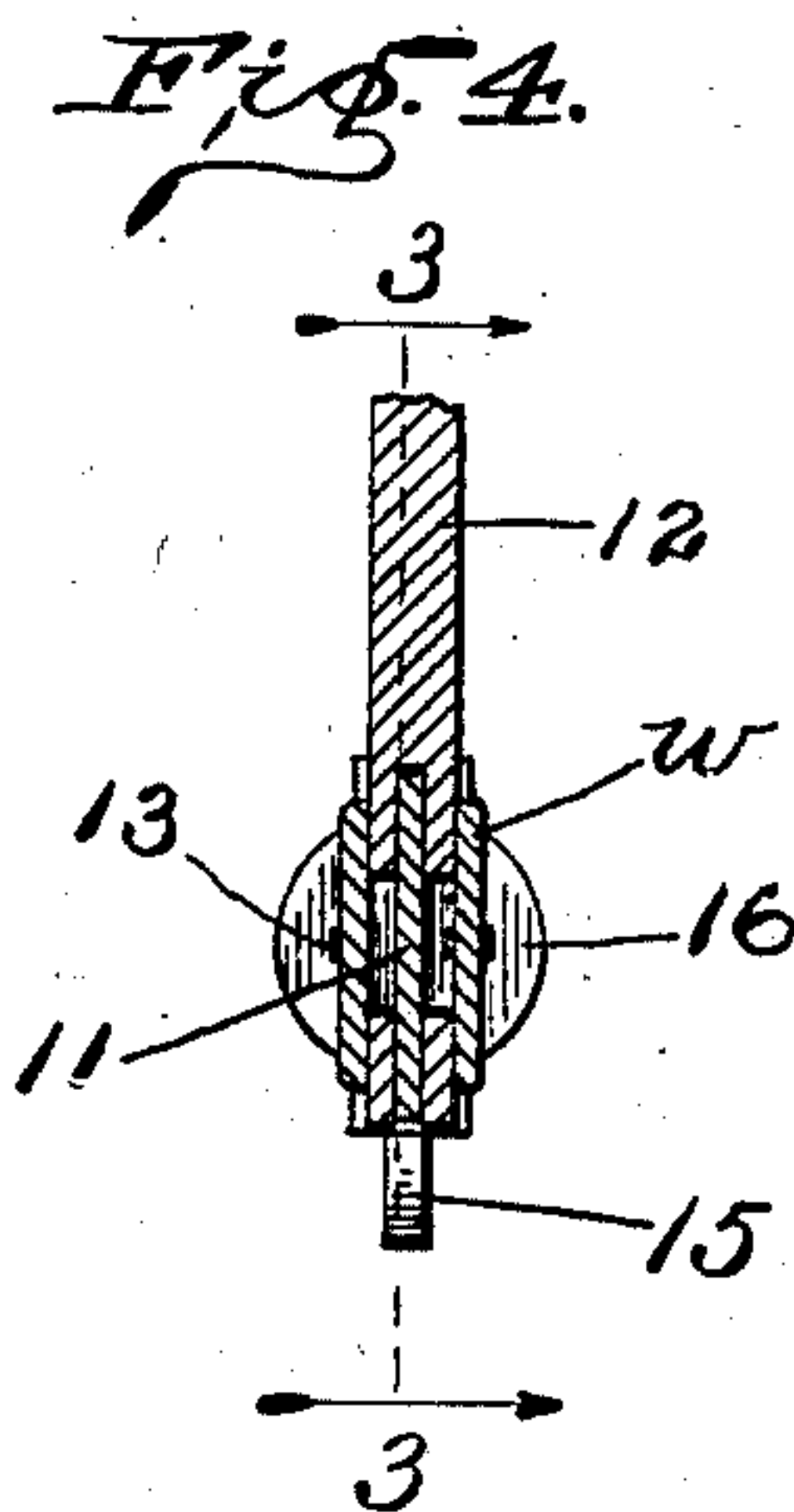
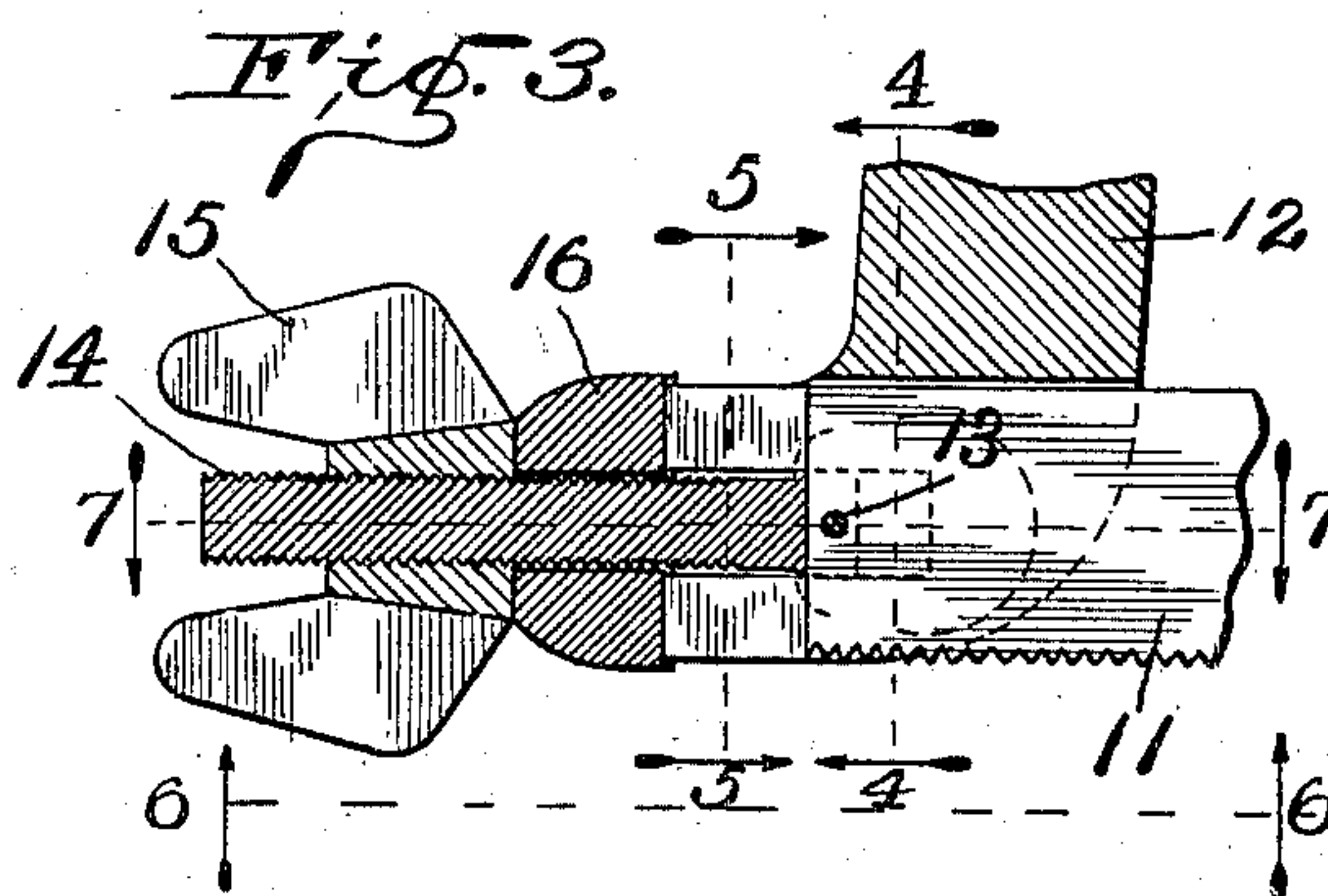
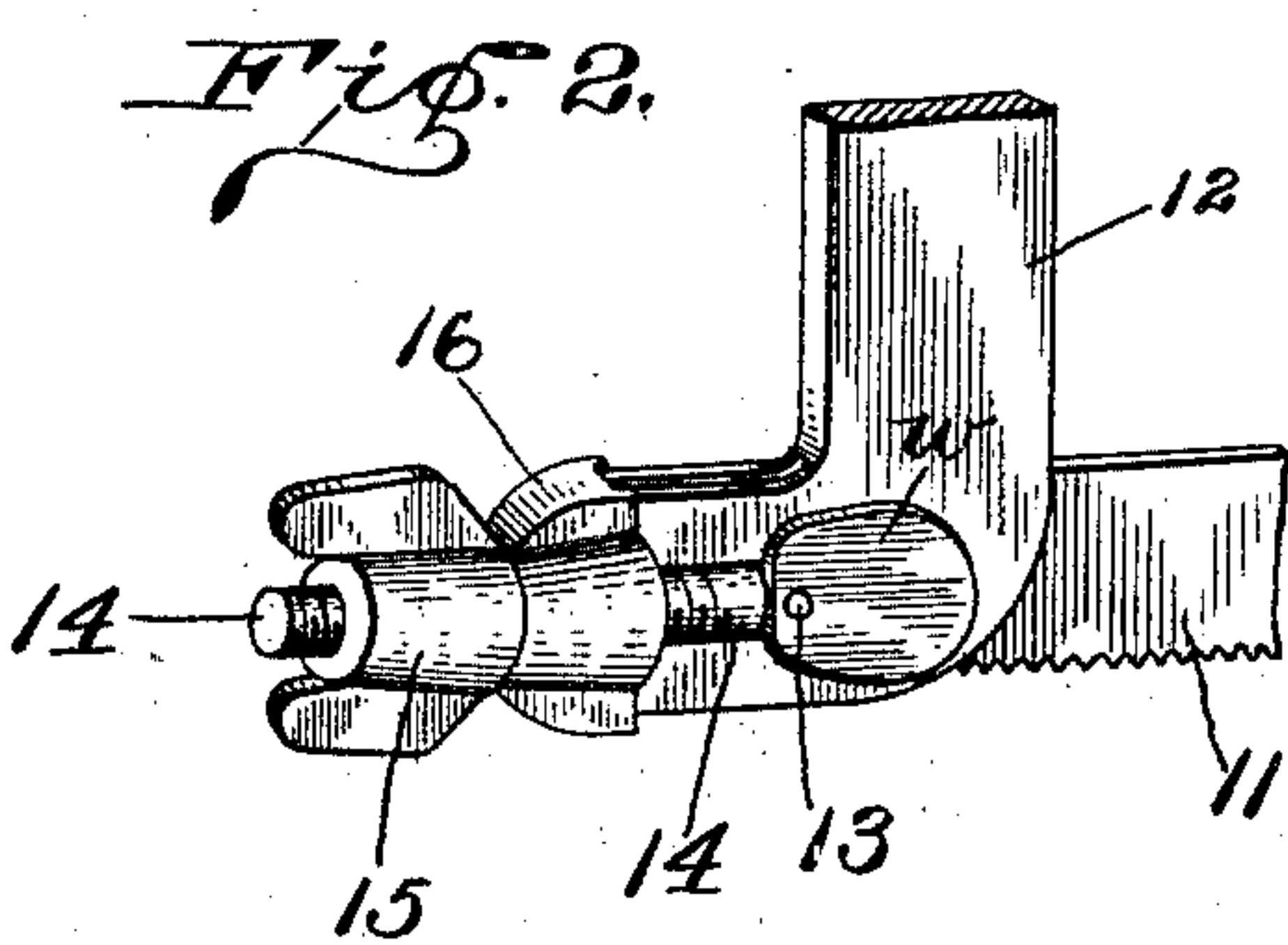
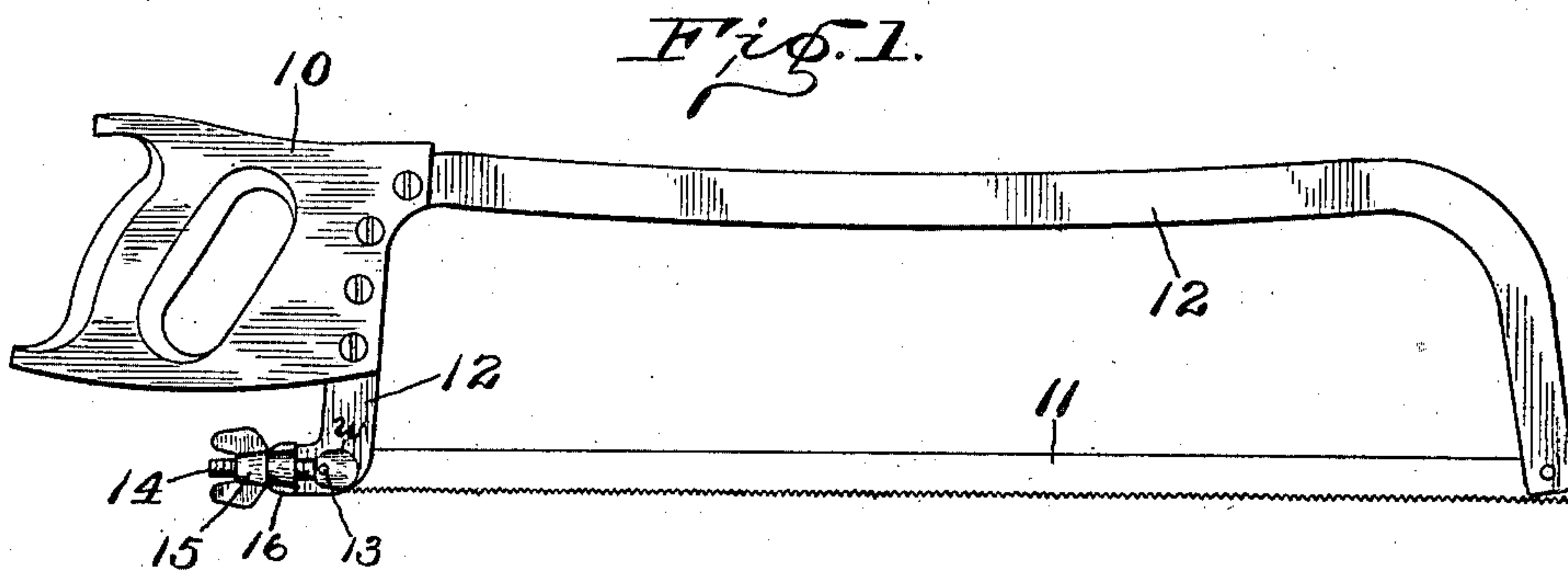
No. 701,366.

Patented June 3, 1902.

G. MEYER.
BUTCHER'S SAW.

(Application filed July 1, 1901.)

(No Model.)



WITNESSES.

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UNITED STATES PATENT OFFICE.

GEORGE MEYER, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO E. C. ATKINS & COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF INDIANA.

BUTCHER'S SAW.

SPECIFICATION forming part of Letters Patent No. 701,366, dated June 3, 1902.

Application filed July 1, 1901. Serial No. 66,768. (No model.)

To all whom it may concern:

Be it known that I, GEORGE MEYER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Butchers' Saws, of which the following is a specification.

The object of my said invention is to provide a simple and efficient blade fastener and tightener for butchers' saws in which those portions likely to come in contact with the meat shall project but slightly and shall be of such a character as to prevent particles of meat getting into the interstices, where they might putrefy or become rancid, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts, Figure 1 is a side elevation of a butcher's saw the blade whereof is provided with a fastener and tightener constructed in accordance with my said invention; Fig. 2, a perspective view of said fastener and tightener, together with fragments of the frame and saw-blade to which the same is connected; Fig. 3, a vertical sectional view of the same parts shown in Fig. 2 as seen when looking in the direction indicated by the arrows from the dotted line 3 3 in Fig. 6; Figs. 4 and 5, transverse sectional views as seen when looking in the direction indicated by the arrows from the dotted lines 4 4 and 5 5, respectively, in Fig. 3; Fig. 6, an under side plan view of the parts shown in Figs. 2 and 3 as seen when looking upwardly from the dotted line 6 6 below said Fig. 3, and Fig. 7 a detail horizontal sectional view as seen when looking downwardly from the dotted line 7 7 in Fig. 3.

The handle 10 and the saw-blade 11 are of a usual construction. The bow or frame 12 is also in most respects of a common form; but at the heel it turns back and is slitted in both directions, so that at the extreme heel it is divided into four parts. The saw-blade 11 enters the vertical slit and is connected by means of the pin 13 to the tightening-bolt 14. Said bolt lies in the horizontal slit in the frame-heel and is operated by the thumb-

nut 15. The bearing-block 16 is interposed between the nut 15 and the divided portions of the heel of the frame 12, its face, which rests against said heel portions, being recessed somewhat, and thus serving as a cap therefor, while the wing-nut bears against its opposite face in the manner that nuts commonly bear against washers. The tightening-bolt 14 develops into two wings *w*, and these extend forward alongside of the adjacent portions of the sides of the frame 12 and cover the forward portion of the horizontal slit in the frame-heel. As these cheek-pieces *w* fit closely against the frame no room is left for particles of meat to get into the vacant portion of the horizontal slit in front of the end of the tightening-bolt. These cheek-pieces may be nicely rounded off and given a smooth finish, so that they may be easily kept clean. By reason of the bent-back form of the frame-heel the bearing-block and nut are carried to a point where they will not ordinarily come in contact with the meat, while they are in a most convenient position to be manipulated in fastening the saw-blade in place and tightening it as required.

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

1. The combination, in a butcher's saw, of a frame the heel whereof is slitted and extends rearwardly from the point of union with the saw-blade, said saw-blade, and suitable devices for fastening and tightening said saw-blade mounted upon the rearwardly-extending heel of the frame below the handle and out of ordinary danger of contact with the meat, said fastening devices being provided with wings covering the slit in the frame-heel, substantially as set forth.

2. The combination, in a butcher's saw, with a saw-blade, of a frame in which said blade is mounted having a rearwardly-extending heel provided with a vertical slit for receiving the end of the saw-blade and a horizontal slit for receiving the tightening-bolt, and said tightening-bolt, substantially as set forth.

3. The combination, in a butcher's saw, of the saw-blade, the frame having a rearwardly-extending heel in which are vertical and transverse slits for receiving the saw-blade and the

tightening-bolt respectively, said tightening-bolt, a wing-nut on the outer end thereof, and a bearing-block interposed between said wing-nut and the extreme end of the frame-heel, substantially as set forth.

4. The combination, in a butcher's saw, of the saw-blade, the frame having a rearwardly-extending heel in which are vertical and transverse slits for receiving the saw-blade and the tightening-bolt respectively, said tightening-bolt connected to said saw-blade and provided

with wings extending forwardly close alongside the frame-heel and covering the otherwise open portion of the slit therein in that point, substantially as set forth.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 28th day of June, A. D. 1901.

GEORGE MEYER. [L. S.]

Witnesses:

CHESTER BRADFORD,
L. H. COLVIN.