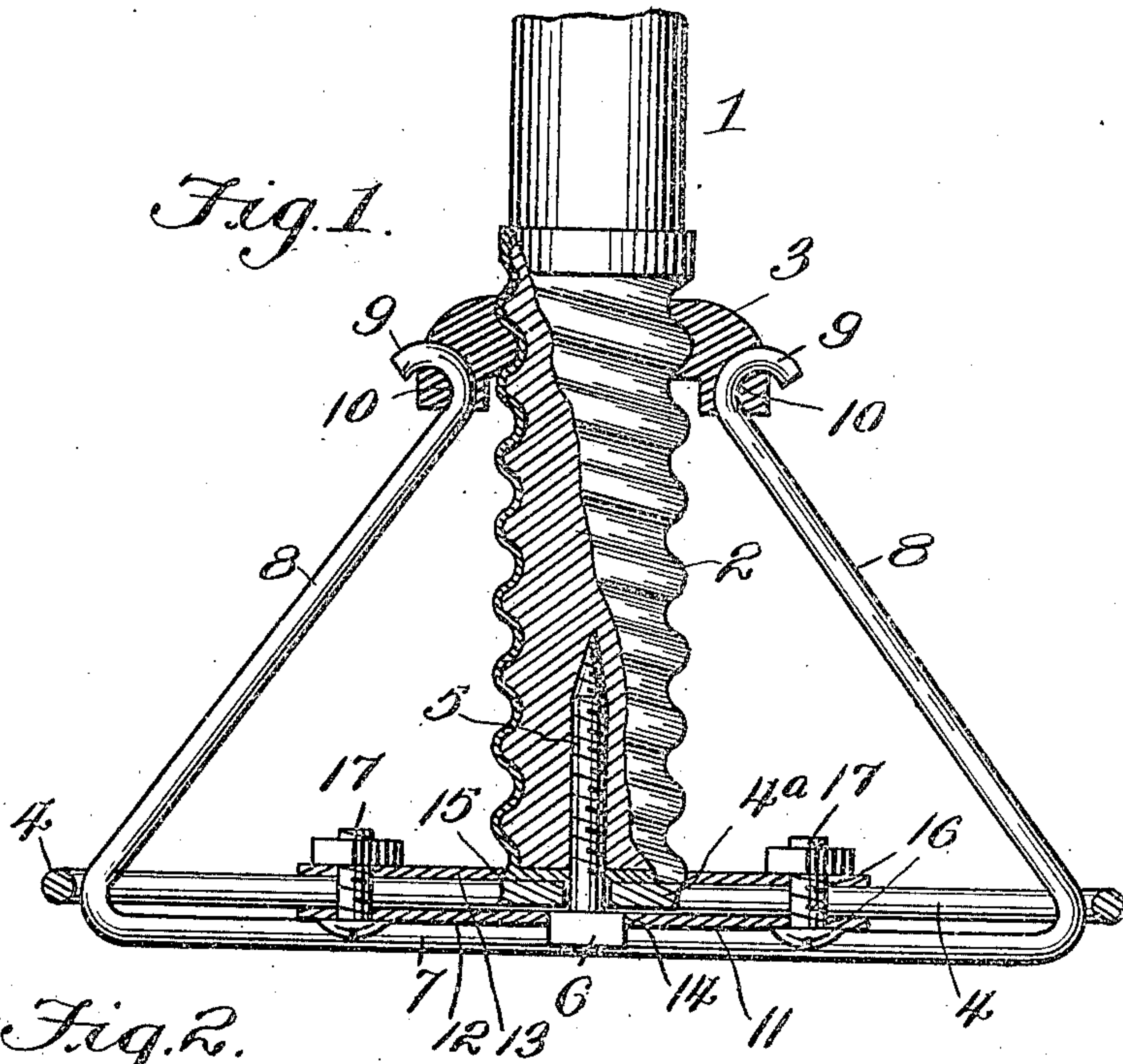


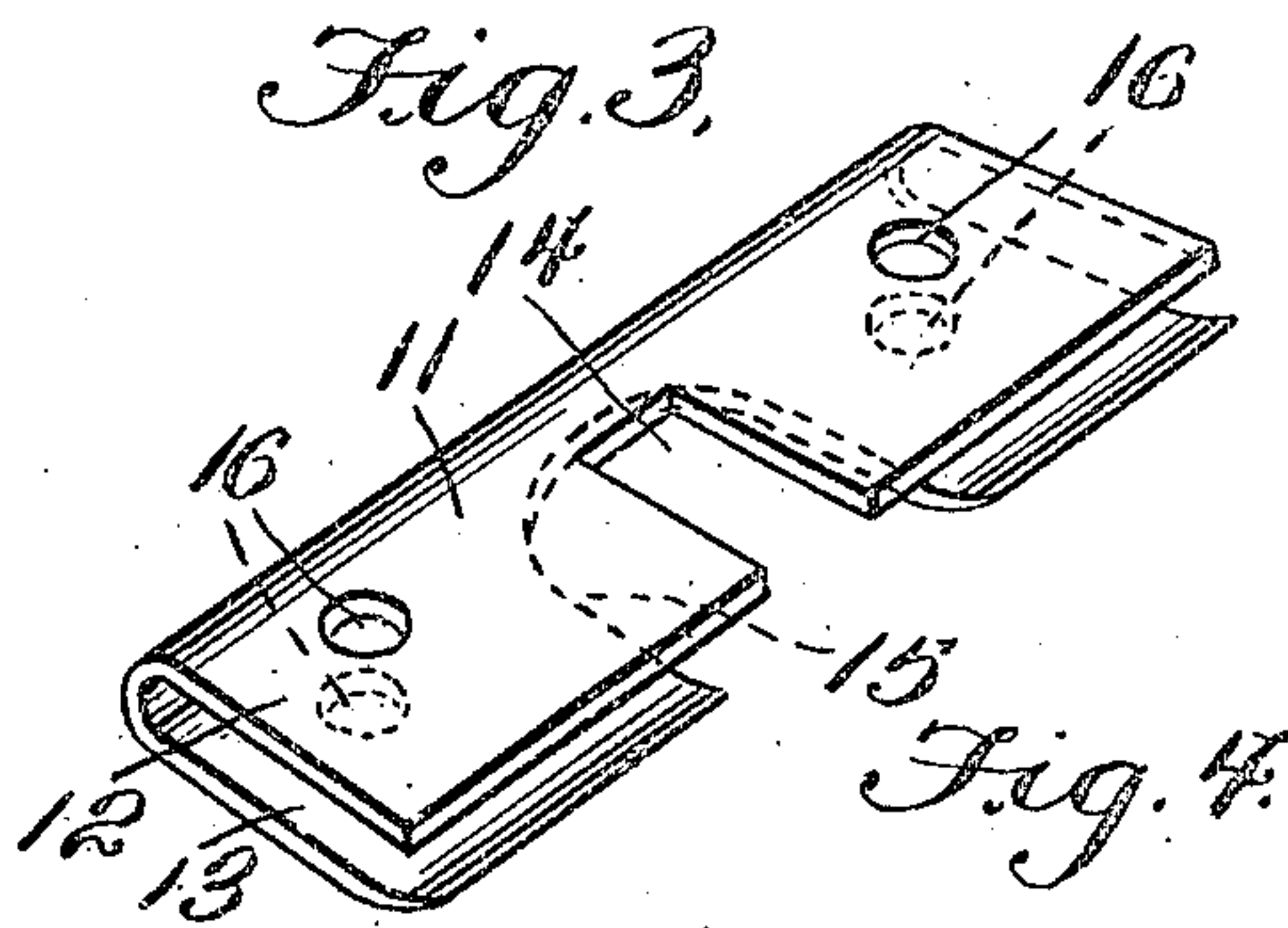
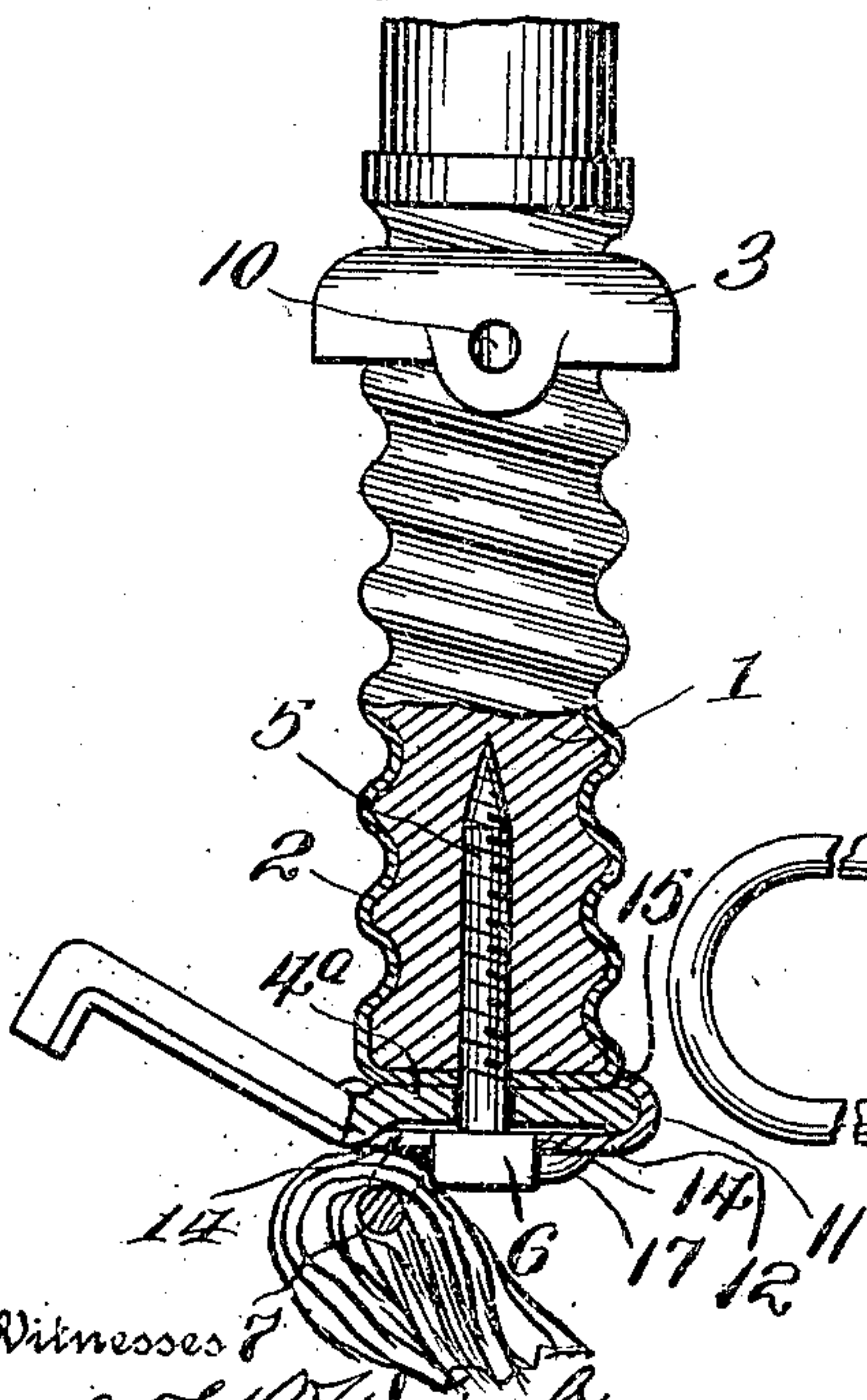
R. R. BRAKEMAN.  
MOP HEAD.  
APPLICATION FILED FEB. 6, 1909.

952,301.

Patented Mar. 15, 1910.



*Fig. 2.*



Witnesses

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# UNITED STATES PATENT OFFICE.

ROLLIN R. BRAKEMAN, OF PALATKA, FLORIDA.

## MOP-HEAD.

952,301.

Specification of Letters Patent. Patented Mar. 15, 1910.

Application filed February 6, 1909. Serial No. 476,427.

*To all whom it may concern:*

Be it known that I, ROLLIN R. BRAKEMAN, a citizen of the United States, residing at Palatka, in the county of Putnam and State of Florida, have invented new and useful Improvements in Mop-Heads, of which the following is a specification.

This invention relates to improvements in mop heads, particularly with reference to improved means for locking the jaws of the mop head in adjusted position and prevent the jaws from being casually released by the casual movement of the traveling nut on the screw ferrule of the mop stick, and the said invention consists in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is partially an elevation and partially a section of a mop head provided with a locking device constructed in accordance with my invention. Fig. 2 is a similar view at right angles to Fig. 1. Fig. 3 is a detail inverted perspective view of the locking device. Fig. 4 is a detail elevation of the jaw 4.

The mop stick 1 has one end secured in a screw ferrule 2 on which operates a traveling nut 3. To the lower end of the screw ferrule is attached the central portion 4<sup>a</sup> of a jaw 4, which jaw is slotted on either side of the central portion 4<sup>a</sup>, a pivot device, here shown as a screw 5 embedded in the lower end of the stick and extending through the bottom of the screw ferrule, being employed to connect said jaw 4 to the lower end of the screw ferrule.

In accordance with my invention the head 6 of the pivot projects from and beyond the lower side of the jaw 4 and is of other than cylindrical form being preferably rectangular in form. The movable jaw 7 of the mop head has at its ends upwardly extending inwardly inclined arms 8, the upper ends of which are hook shaped as at 9 and are extended through openings 10 in the traveling nut, whereby the said jaw 7 is connected to the traveling nut and hence when the jaws 4, 7 and the traveling nut 3 are turned, the stick 1 and the screw ferrule being stationary, the said jaw 7 will be moved by the motion of the traveling nut on the screw ferrule toward or from the jaw 4 to clamp or release the mop cloth between said jaws as will be readily understood.

It has been an objection heretofore to

mop heads of this construction that the jaws and the traveling nut are liable to be casually turned with reference to the mop stick and the ferrule and hence cause the jaws to casually release their grip or compression on the mop cloth and it is the object of my invention to provide means to prevent such casual turning of the jaws and the traveling nut.

In accordance with my invention I provide a locking plate 11 of suitable size and which is double or bent to dispose it in U-shape cross sectionally to form a pair of webs 12, 13 to receive the jaw 4 between them as indicated in Figs. 1 and 2. The lower web 12 is provided at its center with an outwardly opening slot 14 of sufficient width to receive the head 6 of the pivot 5 between its sides and the upper webs 13 is provided with a recess 15 to clear the lower end of the screw ferrule. Hence it will be understood that the said locking plate by the engagement of the sides of the pivot head 6 with the sides of the slot 14 effectually locks the jaw 4 and hence also the jaw 7 and the traveling nut against rotation, the pivot screw 5 being immovable in the mop stick. To more effectually secure the locking plate in place, I provide the webs thereof with coincident openings 16 and provide bolts 17 for insertion in said openings and to pass through the slots of the jaw 4.

It will be understood that my improved locking plate will be attached to the mop head after the jaws of the latter have been adjusted to secure the mop cloth, which has been placed between them.

Having thus fully described the invention, what is claimed as new, is:—

1. The combination of a mop stick, a mop head having a screwed ferrule on the stick, a longitudinally slotted jaw, a pivot extending through the center of said jaw, connected to the screw ferrule and having an angular head on its outer end on the outer side of said jaw, a traveling nut on said screw ferrule, movable lengthwise thereof when said screw ferrule is turned, and a movable jaw guided in the slots of the first mentioned jaw and connected to and movable with said traveling nut, in combination with a locking plate, U-shaped in cross section, to receive the said slotted jaw and having one web provided with a recess to clear the screw ferrule, and the other web pro-

vided with a slot, the sides of which engage the angular head of the pivot and prevent rotation of the jaws and traveling nut.

2. The combination of a mop stick, a mop  
5 head having a jaw pivotally connected to the mop stick, a pivot for said jaw having a head projecting beyond said jaw, a movable jaw and a screw element to operate said movable jaw, a locking device for at-

tachment to the first mentioned jaw and hav- 10  
ing means to engage said pivot head to lock said first mentioned jaw against rotation.

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

ROLLIN R. BRAKEMAN.

Witnesses:

ED I. OWENS,

ELMER E. HASKELL.