

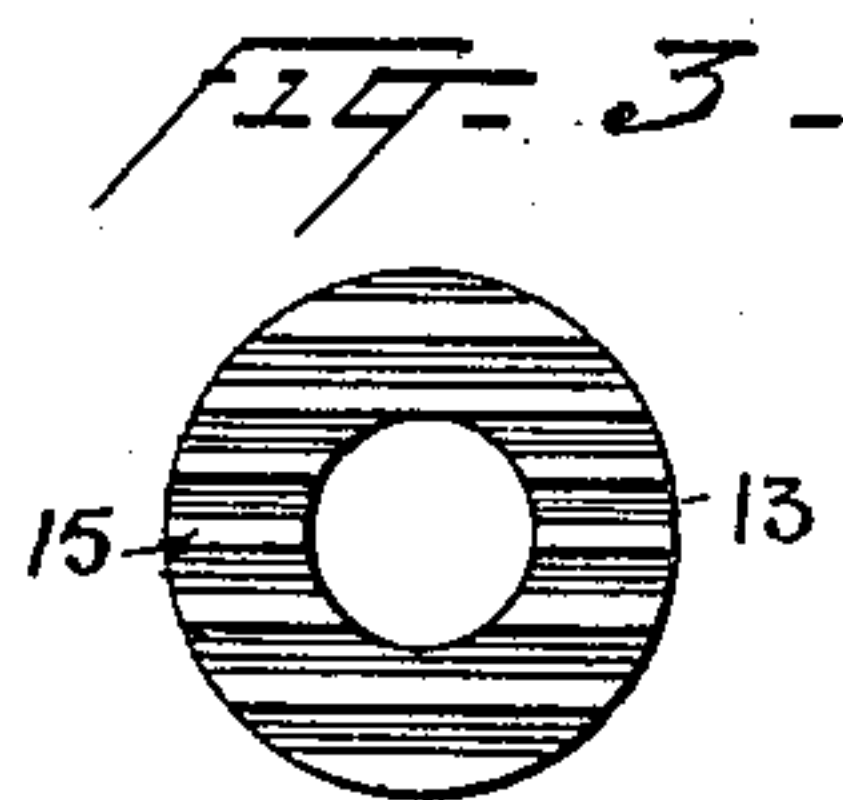
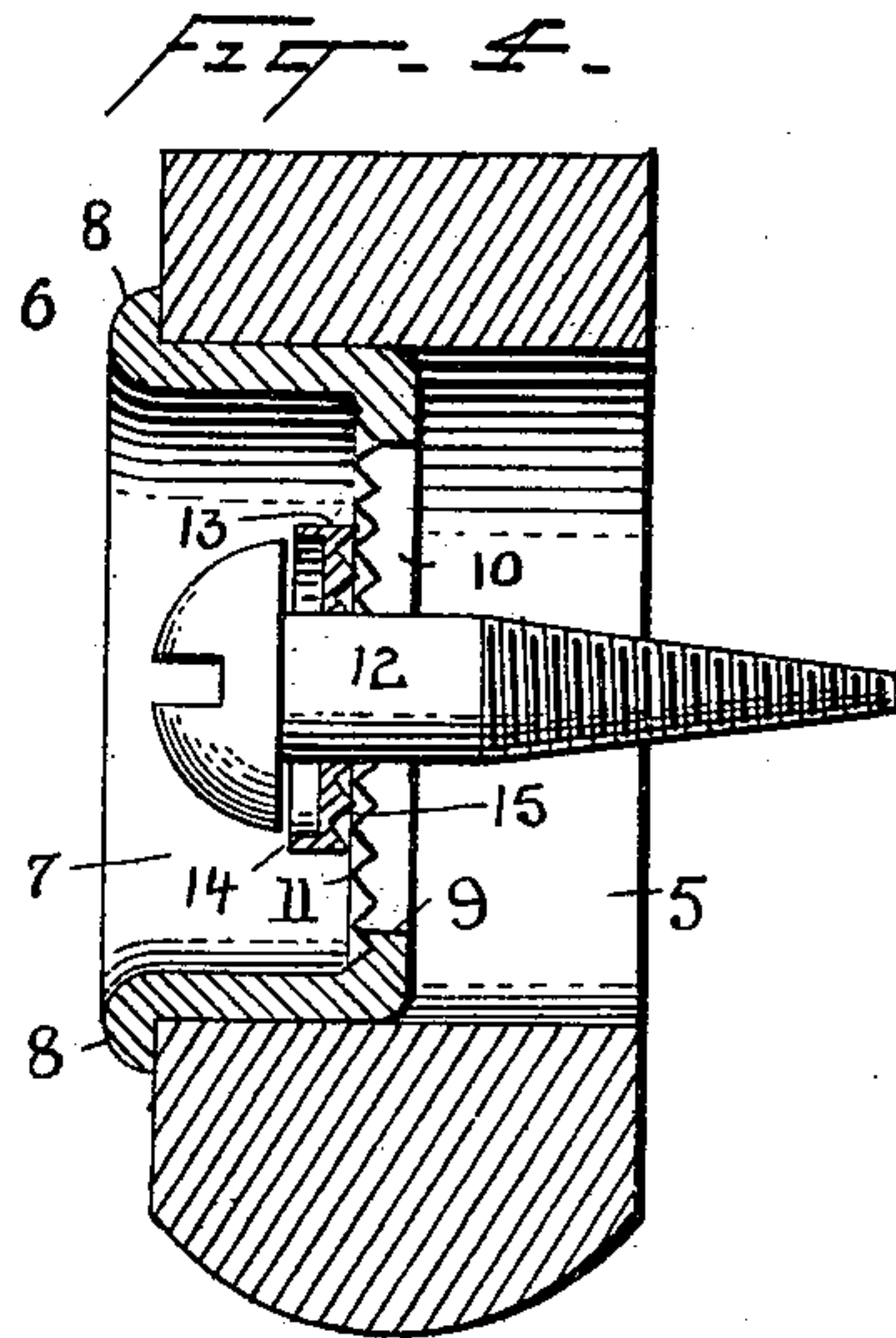
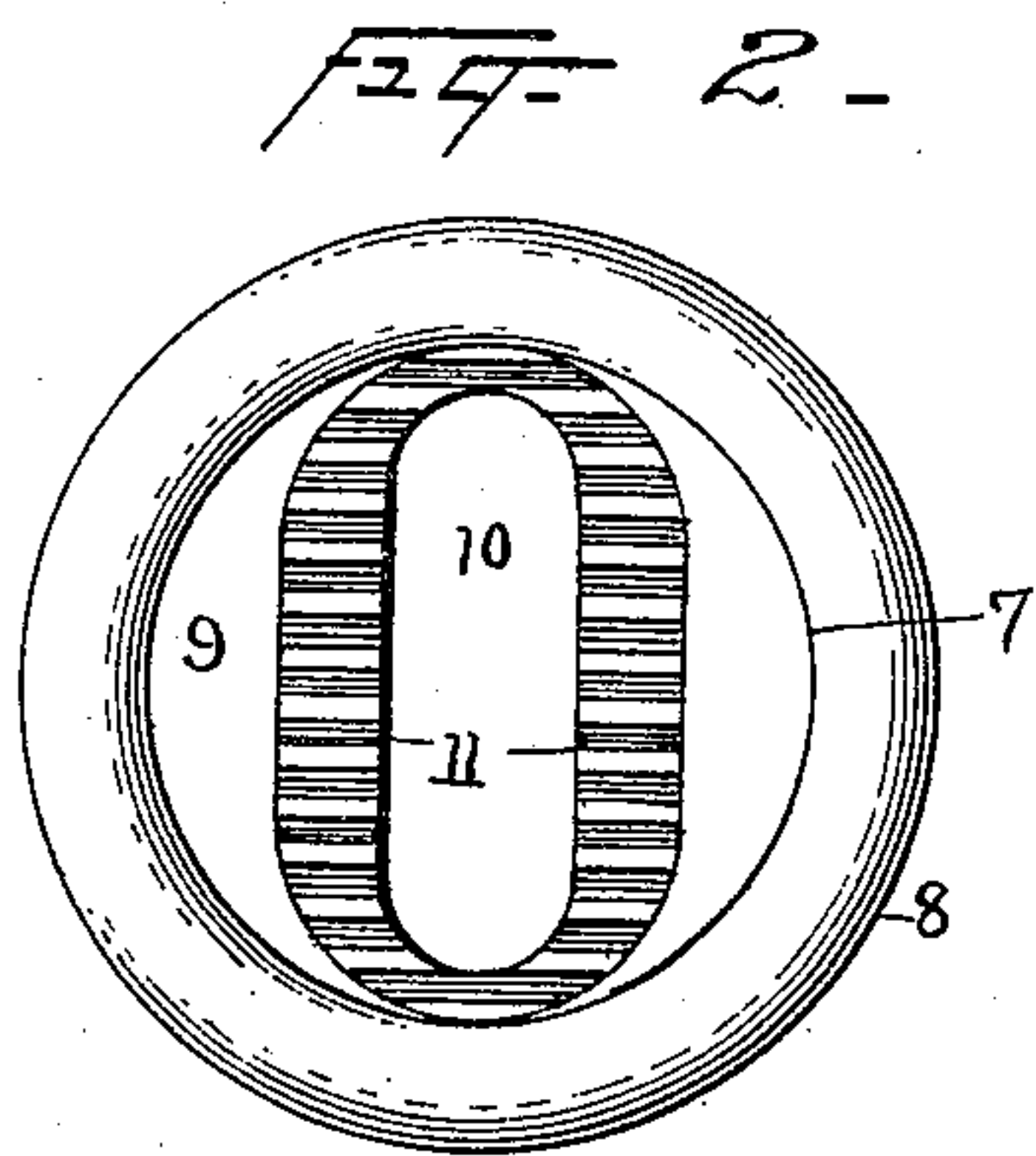
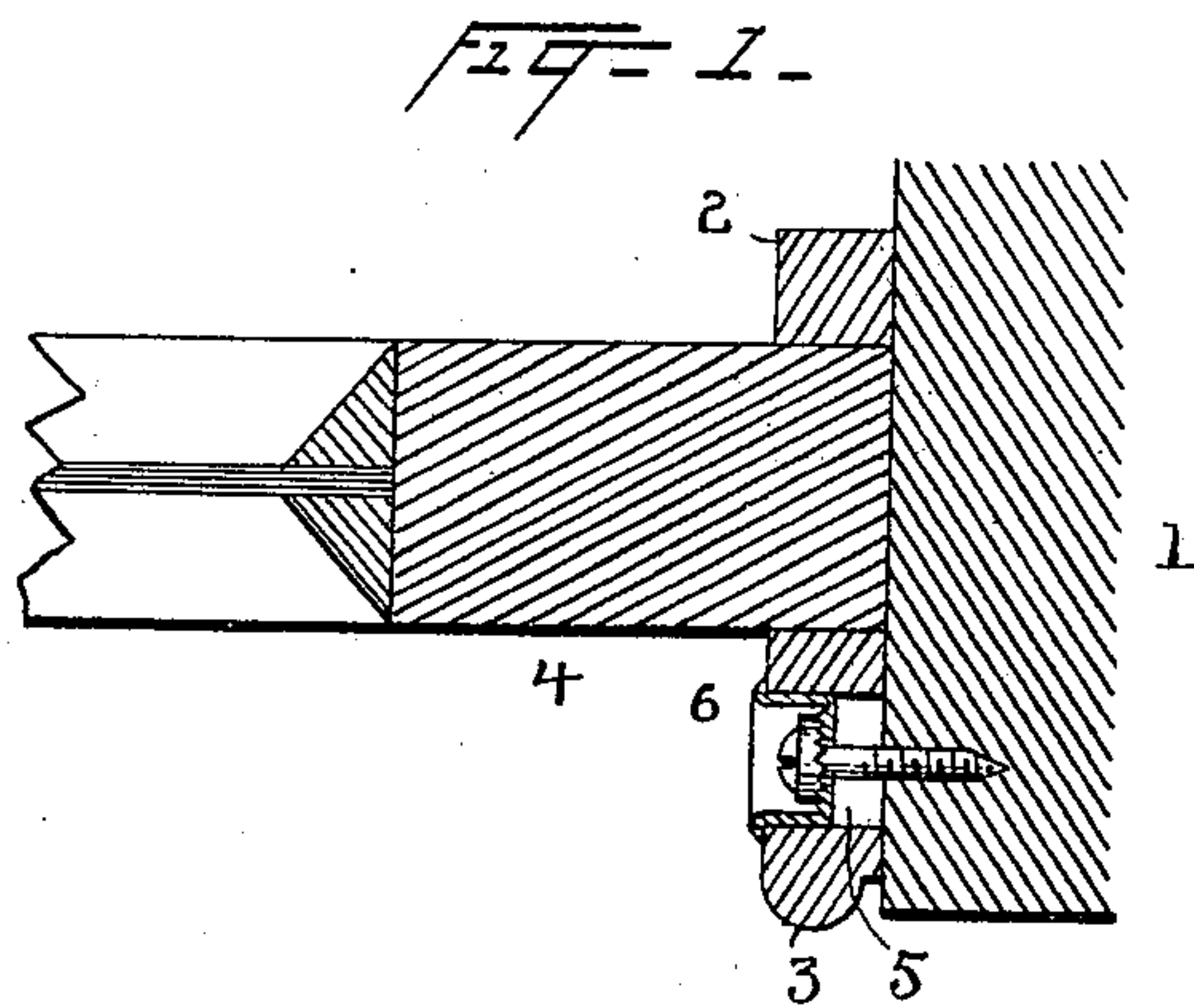
No. 629,699.

Patented July 25, 1899.

U. G. McQUEEN.
STOP BEAD ADJUSTER.

(Application filed Feb. 3, 1898.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

ULYSSES G. McQUEEN, OF ELIZABETH, NEW JERSEY.

STOP-BEAD ADJUSTER.

SPECIFICATION forming part of Letters Patent No. 629,699, dated July 25, 1899.

Application filed February 3, 1898. Serial No. 668,967. (No model.)

To all whom it may concern:

Be it known that I, ULYSSES G. McQUEEN, a citizen of the United States, residing at the city of Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Stop-Bead Adjusters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to builders' hardware, and particularly to devices for permitting of the adjustment of stop-beads for windows, sliding doors, and other purposes; and some of the objects of the invention are to provide an article of this character which is simple and cheap in construction and at the same time positive and effective in operation, and particularly such a device which prevents all possibility of the window stop or bead moving or slipping after the same has been secured in position and the screws forced up tightly; and with these and other objects in view the invention consists, substantially, of the construction, combination, and arrangement of parts hereinafter more fully described in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a transverse section of a window frame and sash, illustrating my improved stop-bead adjuster in operative position. Fig. 2 is a top plan view of the adjuster. Fig. 3 is a top plan view of the washer, and Fig. 4 is a sectional view of the parts on an enlarged scale.

Similar characters of reference designate corresponding parts throughout the several views.

Referring to the drawings, and particularly to the construction shown in Fig. 1 thereof, the reference character 1 designates a portion of the window-frame provided with a parting strip or bead 2 and a stop-bead 3, between which beads the sash 4 is adapted to slide in the usual manner.

Mounted in a suitable hole or opening 5 in the stop-bead 3 is my improved adjuster 6, consisting, substantially, of a cylindrical shell or thimble 7, the free edge of which is preferably bent outwardly to form an annular outwardly-directed flange 8, adapted to rest upon

the face of the stop-bead 3 over the edge of the opening 5 to make a finished or neat joint and at the same time limit the passage of the thimble 7 through the opening 5, all of which features have been found desirable in practice.

The shell or thimble 7 is preferably provided with a bottom 9, in which is formed an oblong or other slot 10, around which upon the upper surface of the bottom 9 are formed rows of ribs or teeth 11, preferably of the form of an equilateral triangle in cross-section, as shown; but said ribs preferably extend only a short distance from the edge of the opening 10, so that the major part of said ribs will be covered by the head of the screw 12 when the latter is in position.

I provide a washer or similar device 13 of any preferred size or shape, the edge of which is preferably bent upwardly to form a rim or flange 14 to form a seat for the head of the screw or other device 12, and the screw may be of any preferred form and may have a plain or ornamented head, and the lower or under surface of the washer 13 is provided with rows of ribs or teeth 15, preferably of the form of an equilateral triangle in cross-section, adapted to engage and mesh with the ribs or teeth 11 on the bottom 9 of the thimble 7 to prevent the slipping of the thimble upon the under face of the washer upon the head of the screw after the latter has been screwed home.

It has generally been found an objectionable feature of the stop-bead adjusters now on the market that the head of the screws will slip over the smooth surface of the bottom or the adjuster and heretofore no practical device has been invented to cure this great defect.

I may employ differently-formed thimbles from what is herein shown and described and provide the same with my improved anti-slipping means, which constitutes the essential part of my invention, but which I have elected to exemplify in connection with the form of thimble shown and described herein.

The operation of the invention will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following explanation thereof. A suitable opening is formed in the stop-bead 3, and the adjuster 6

is forced thereinto until the rim 8 thereof rests upon the face of the stop-bead. Then the screw 12 is passed through the washer 13 and is introduced into the oblong opening in the adjuster, whereupon it is then screwed into the window-frame in the usual manner until it is nearly screwed home. Then the stop-bead is finally adjusted, and the ribs on the bottom of the adjuster and the washer are regulated and the screw is tightened up.

I do not desire to confine myself to the specific construction, combination, and arrangement of parts herein shown and described, and I therefore reserve the right to make all such changes in and modifications of the same as fairly come within the spirit and scope of my invention.

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

1. A stop-bead adjuster consisting of a thimble, having a slotted bottom in a lower plane than the rim thereof, said bottom having rows of ribs on the upper surface of the

same, a washer having an upturned rim and provided on the under surface thereof with rows of ribs adapted to engage the ribs on said bottom and prevent the parts from slipping and a screw passing through said washer and slot to force said parts into engagement, whereby the head of said screw will lie in a plane below the rim of said thimble to permit the revolution of the window-sash.

2. A stop-bead adjuster consisting of a thimble having a slotted bottom provided with rows of ribs upon the upper surface thereof, a washer having rows of ribs to engage with the first-mentioned ribs and a device passing through said washer and slot to adjustably secure said parts, whereby the stop-bead will not slip when used with revolvable sash.

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

ULYSSES G. McQUEEN.

Witnesses:

CHARLES S. ROGERS,
JAMES R. ROGERS.