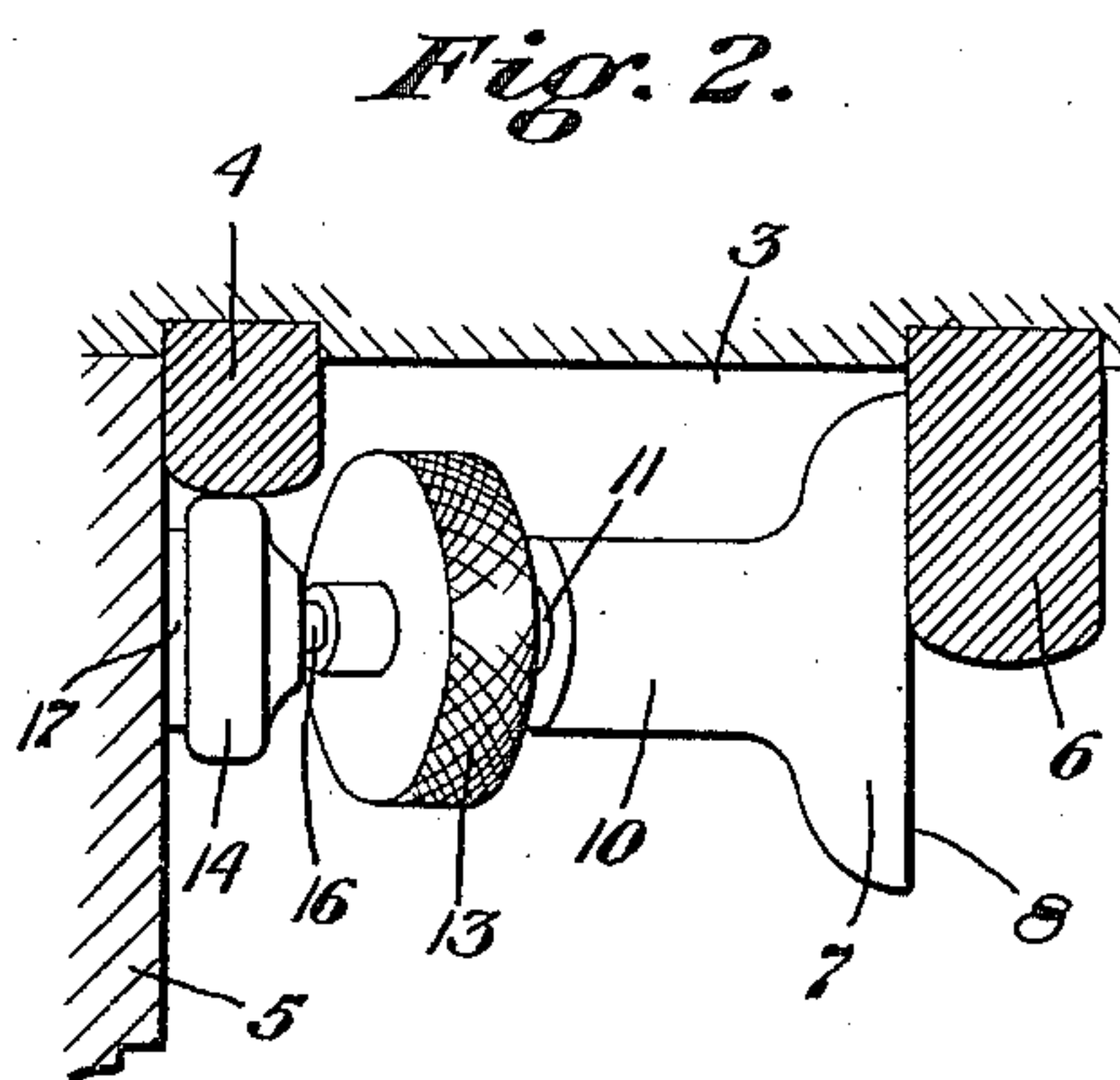
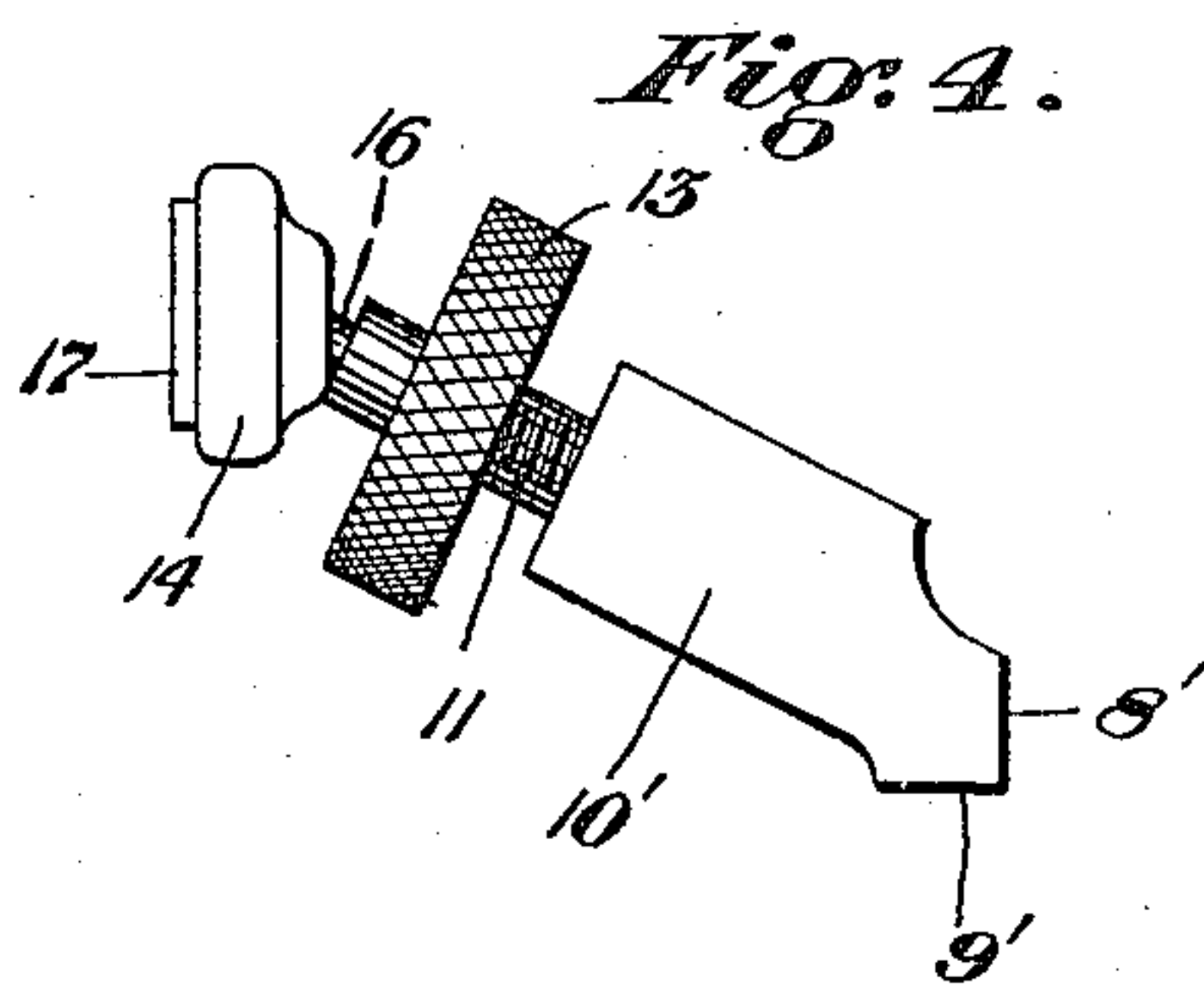
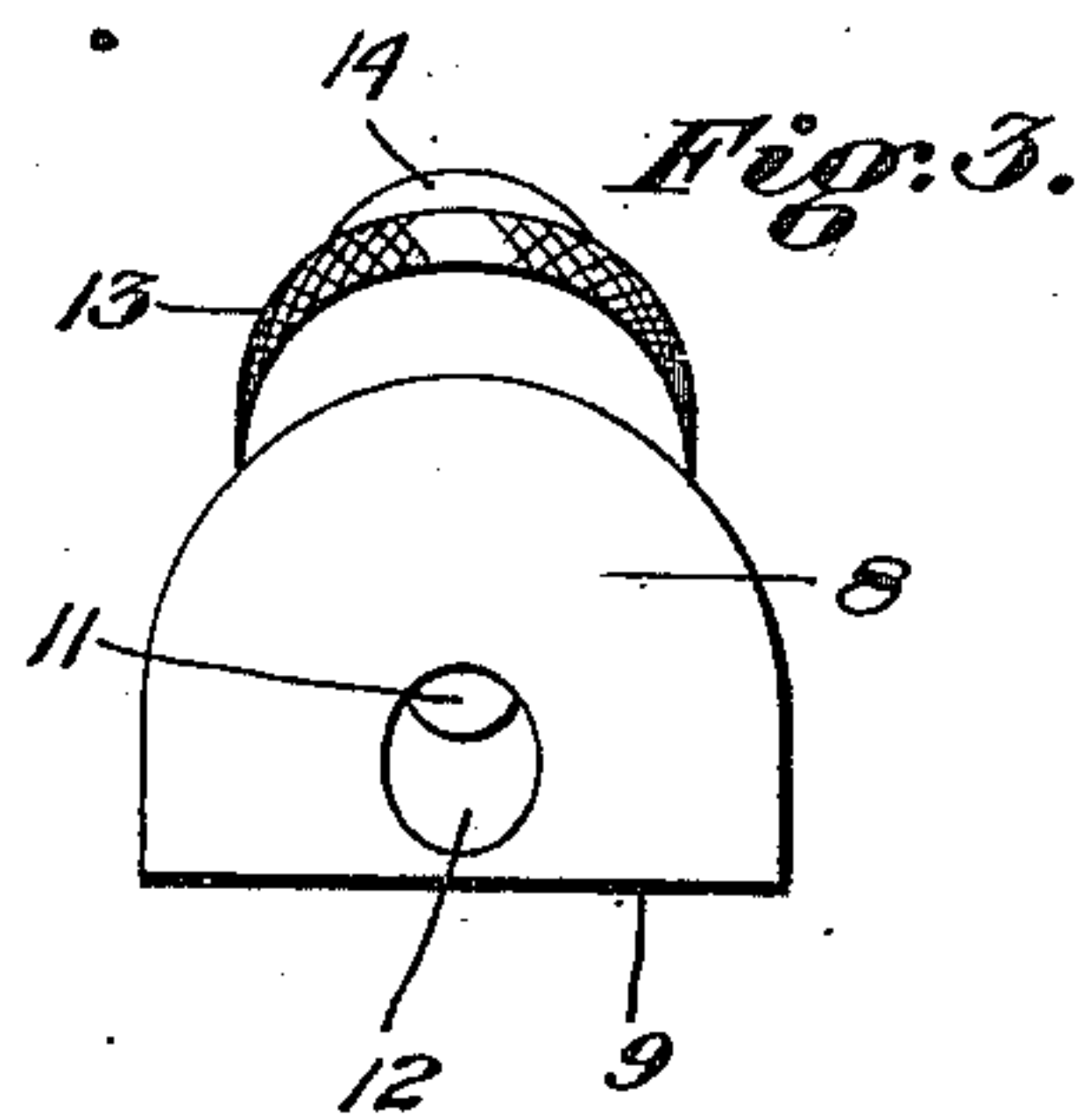
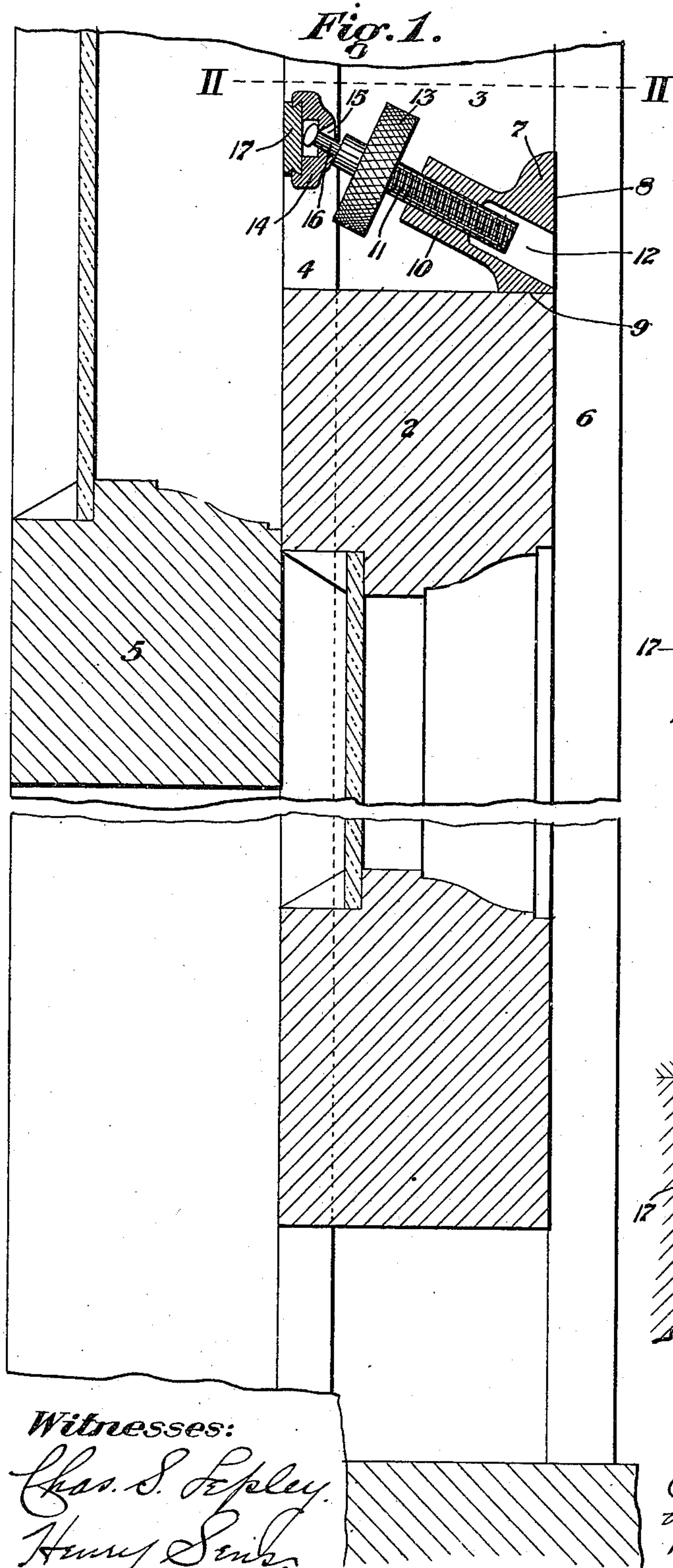


F. G. ANDREWS.
WINDOW LOCK.
APPLICATION FILED MAR. 14, 1910.

975,818.

Patented Nov. 15, 1910.



Witnesses:
Chas. S. Lyley
Henry Smith

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UNITED STATES PATENT OFFICE.

FRED G. ANDREWS, OF CORAOPOLIS, PENNSYLVANIA.

WINDOW-LOCK.

975,818.

Specification of Letters Patent.

Patented Nov. 15, 1910.

Application filed March 14, 1910. Serial No. 549,273.

To all whom it may concern:

Be it known that I, FRED G. ANDREWS, a citizen of the United States, residing at Coraopolis, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Window-Locks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention consists of an improvement in devices for locking windows, and has for its object to provide a small, portable, readily applicable locking arrangement for insertion between the frame of the window and one of the window sashes and adapted to bear on the other sash in such a manner that any effort to lower or raise either sash will tend to more closely bind the lock in position and prevent further opening.

In the drawings:—Figure 1 is a partial vertical sectional view of portions of an upper and a lower window sash showing the device in position. Fig. 2 is a plan view, the frame and upper sash being shown in section on the line II. II. of Fig. 1. Fig. 3 is an end view of the lock. Fig. 4 is a side view of the lock.

2 represents the upper rail of the lower sash mounted for operation within the usual frame having the runway 3, parting bead 4, and the co-acting upper sash 5 in the adjacent runway, the front of the runway 3 being provided with the usual bead or strip 6. As shown, the sash is partly raised for ventilation as indicated at the bottom and by the arrow *a*.

The lock consists of a shoe 7 having bearing faces 8 and 9 at right angles to each other and adapted to bear upon the inner vertical face of the bead 6 and upper face of sash rail 2 respectively, as clearly shown.

10 is an integral extension of the shoe 7 extending angularly from the same and providing a bearing for the adjusting screw 11 so as to permit considerable range of movement thereof. Said adjusting screw is mounted in the threaded terminal of extension 10 which forms an extension of rear opening 12 providing ample clearance for the screw and for range of adjustment, and screw 11 is provided with a knurled thumb screw extension 13 as shown, whereby it may be readily adjusted by the fingers.

14 is a shoe loosely mounted at the outer end of screw 11 by means of a loose opening 15 and a stem extension 16 riveted at its

end as shown. In the outer end of shoe 14 is set a bearing disk 17 of rubber or other suitable material.

When the device is inserted in position as indicated in Fig. 1 with the heel of shoe 7 bearing against the frame and the top of the upper sash rail and with shoe 17 bearing against the face of the side rail of the upper sash, screw 11 having been adjusted to insure a tight bearing, it will be seen that any effort to lower the upper sash or to raise the lower sash will result in binding the lock more tightly in place. Either sash may however, be set at any desired position and the lock inserted and adjusted and further movement of either sash will then be limited. By this means any desired opening may be secured by movement of the sash and the sash then held against further movement.

The bearing portions of the shoe which have the faces 8 and 9 preferably extend equally at each side of the device, whereby it may be used with equal facility at the right or left side of the sash. By this means I avoid the necessity of right and left locks, a single lock operating in any position with equal facility.

The lock is capable of a considerable degree of adjustment to provide for varying sizes of sashes; it is simple and cheap in construction and composed of few parts, not liable to get out of order, and positively insures a continuous locking of the sash and against displacement or removal from the outside. As shown its construction insures ample bearing faces and also clearance for the sash cord, while its compact construction enables it to be carried in the pocket or elsewhere, requiring but a minimum of space.

What I claim is:—

1. A sash lock consisting of a bearing shoe having right angled faces adapted for insertion against the sash rail and bead respectively and having an adjusting screw threaded into said shoe and provided with a separately attached bearing terminal at its opposite end for engagement of the face of the other sash, substantially as set forth.

2. A sash lock consisting of a bearing shoe adapted for insertion against the sash rail and bead having an adjusting screw provided with an opposite bearing terminal loosely mounted on the end of the adjusting screw.

3. A sash lock consisting of a bearing

shoe adapted for insertion against the sash rail and head having an adjusting screw provided with a thumb screw extension and an opposite bearing terminal loosely mounted on the end of the adjusting screw beyond said extension, substantially as set forth.

4. In a sash lock, the combination of a shoe having bearing faces adapted for insertion against the sash rail and head and an integral extension having a screw bearing extending longitudinally and centrally of

said extension, and an adjusting screw mounted in said bearing provided with a thumb-screw extension and a terminal bearing adapted for engagement of the face of the other sash, substantially as set forth.

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

FRED G. ANDREWS.

Witnesses:

C. M. CLARKE,

CHAS. S. LEPLEY.