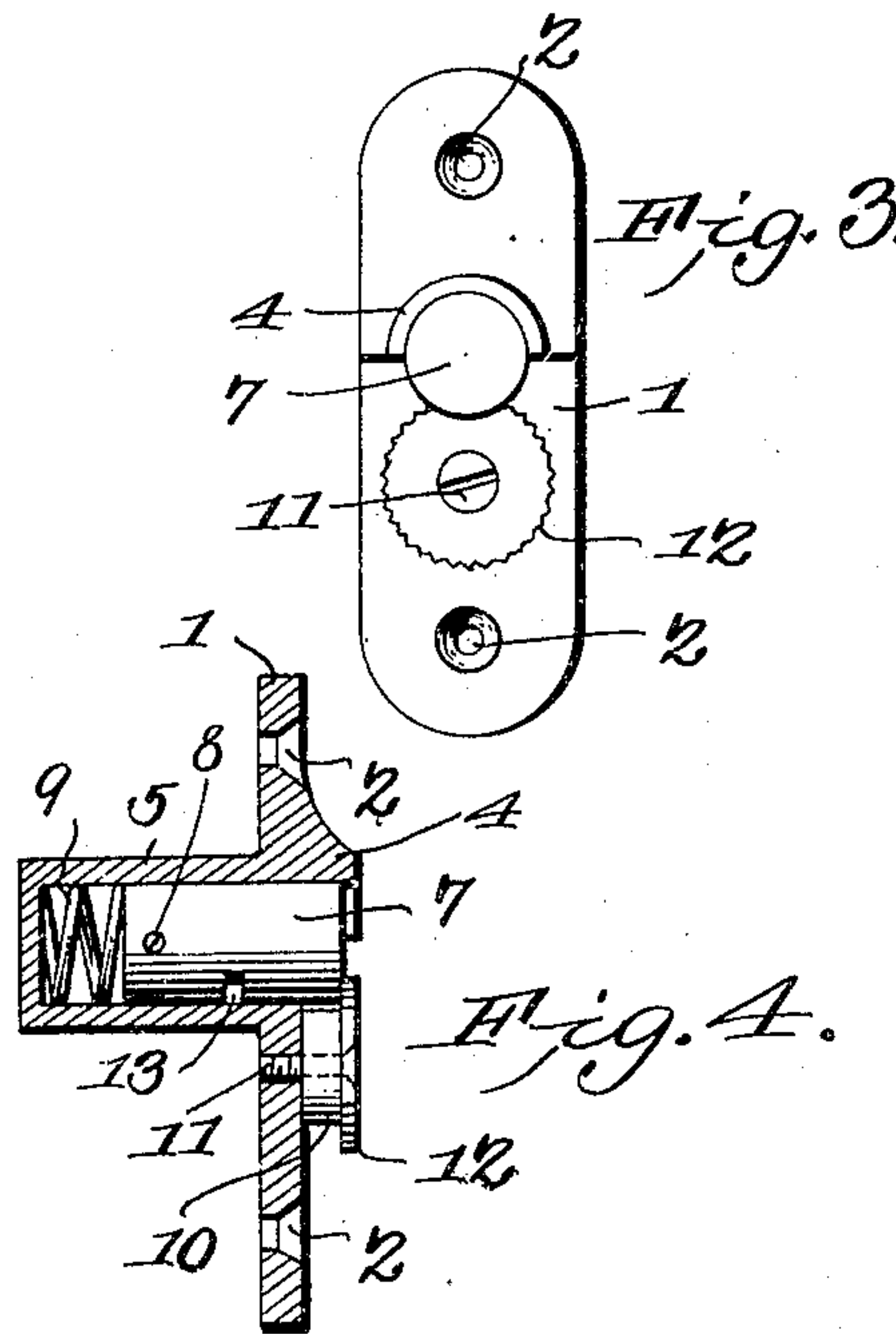
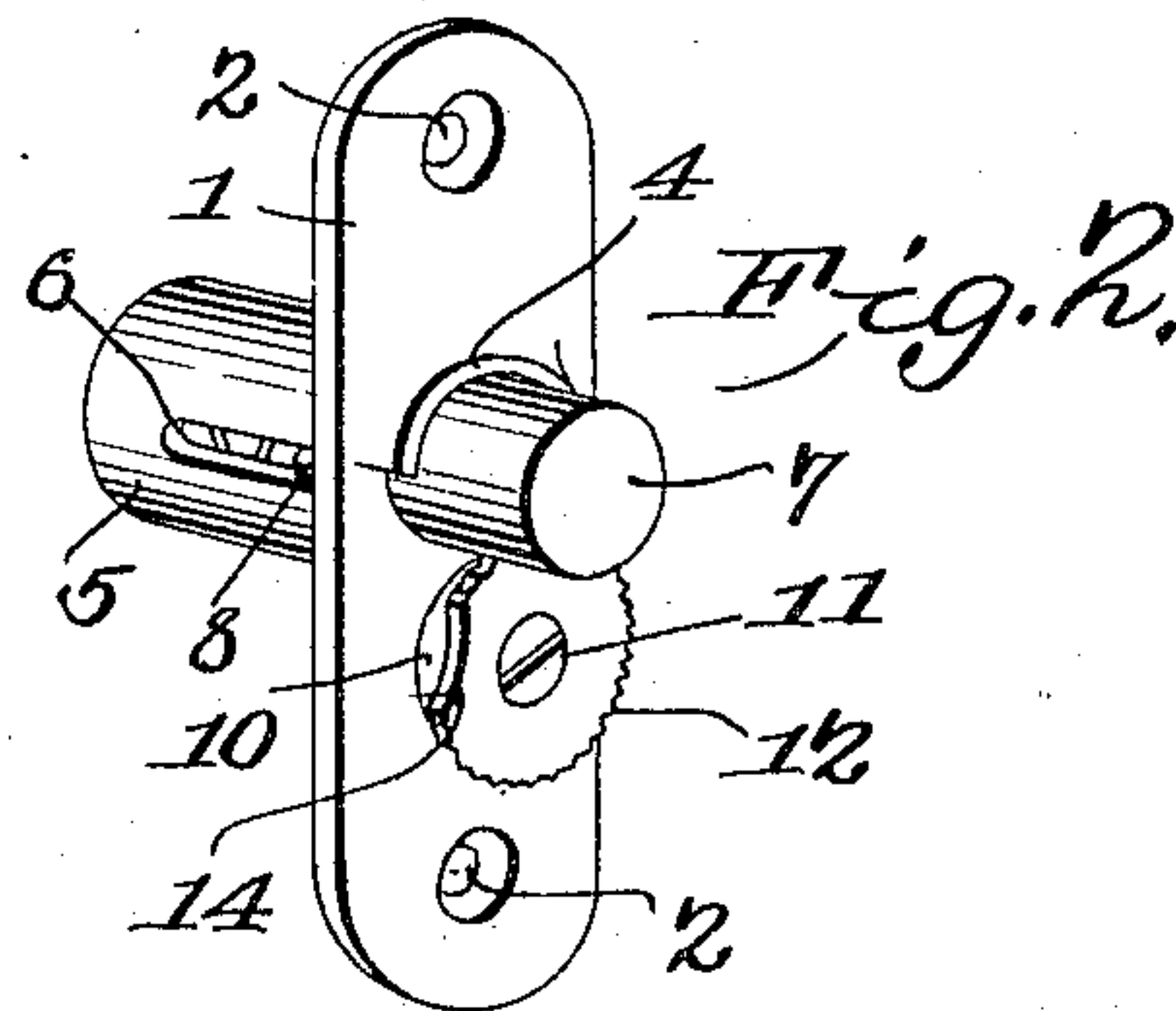
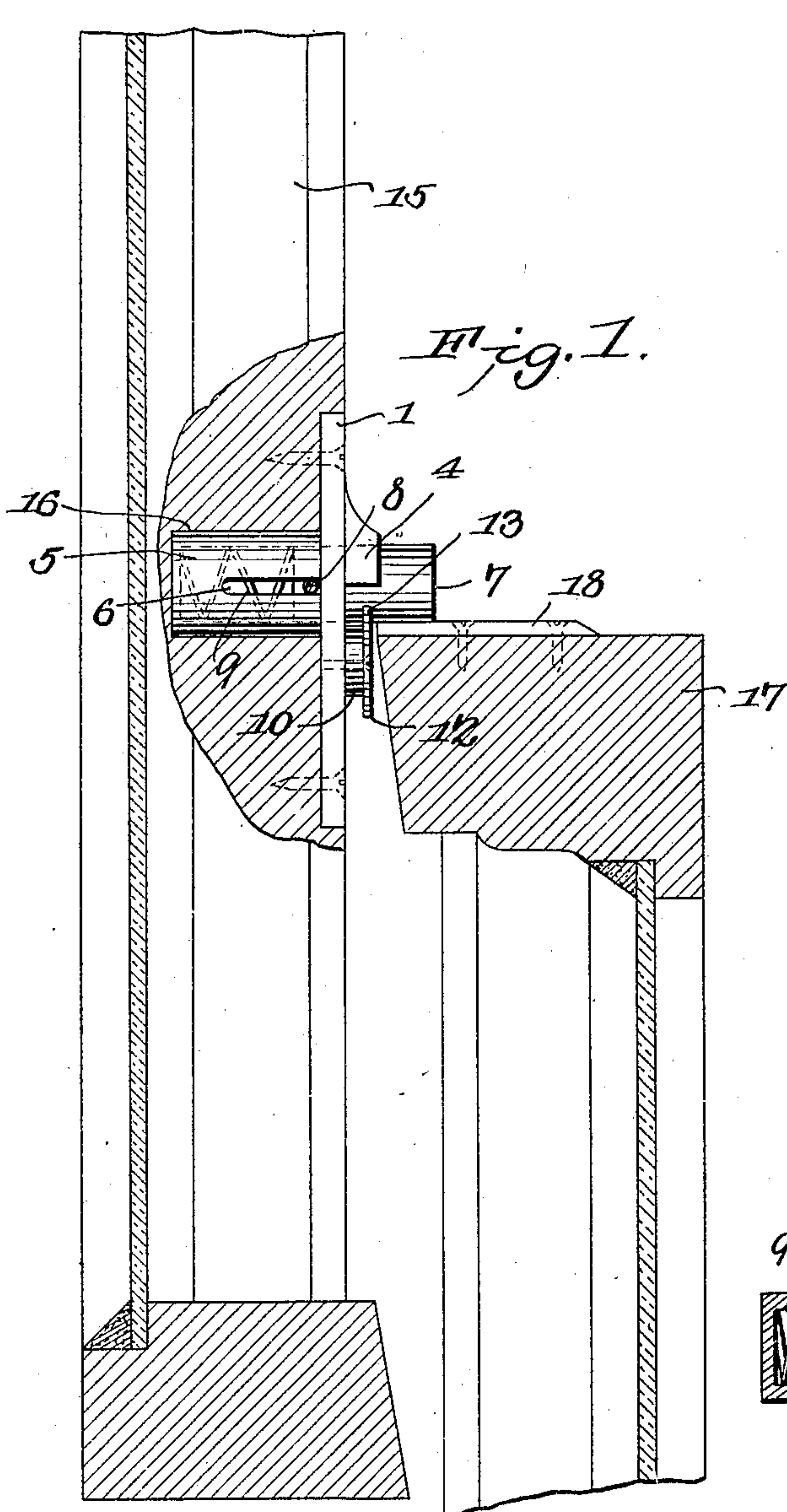


No. 836,976.

PATENTED NOV. 27, 1906.

N. JOHNSON.
SASH FASTENER.
APPLICATION FILED JAN. 31, 1906.



WITNESSES:
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NELS JOHNSON, OF COLORADO SPRINGS, COLORADO.

SASH-FASTENER.

No. 836,976.

Specification of Letters Patent.

Patented Nov. 27, 1906.

Application filed January 31, 1906. Serial No. 298,865.

To all whom it may concern:

Be it known that I, NELS JOHNSON, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented a new and useful Sash-Fastener, of which the following is a specification.

This invention relates to sash-fasteners, and has for its object to provide an improved device of this character which is complete in itself and capable of being applied to the upper sash for engagement with the lower sash, so as to lock the two sashes, it being particularly designed to arrange the device so as to permit a limited opening of the sashes for the purpose of ventilation.

It is furthermore designed to provide for conveniently locking the bolt of the fastener projected and also retracted and to enable the convenient release of the bolt from either of its locked positions.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a longitudinal sectional view taken through the meeting-rails of upper and lower sashes with the fastener of the present invention applied thereto. Fig. 2 is a perspective view of the fastener removed from the sash. Fig. 3 is a front elevation thereof. Fig. 4 is a sectional view of the fastener with the bolt retracted.

Similar numerals of reference designate corresponding parts in all of the figures of the drawings.

The present fastener includes a face-plate 1, of suitable proportions, preferably oblong in shape, and pierced at opposite ends by countersunk openings 2 for the reception of screws or other fastenings to secure the device in place. At one side of the middle of the plate the latter is pierced by a bolt-opening, and the front of the plate has a substantially semicylindrical flange 4, extending around the upper side of the opening and projecting at the front of the plate. A tubular case 5 extends rearwardly from the open-

ing 3 and is provided at one side with a longitudinal slot 6. Working in the case and the bolt-opening is a bolt 7, having a pin or projection 8, working in the slot 6, so as to prevent rotation of the bolt and limit its outward movement. This bolt is yieldingly held at its forward limit by a helical spring 9, housed within the case and bearing in opposite directions against the back thereof and the rear end of the bolt. Opposite the flange 4 there is a latch 10, mounted to rotate upon a stud or pin 11, loosely piercing the latch and carried by the plate, the outer end of the latch being provided with an annular flange 12, which is designed to take into a seat or notch 13, formed transversely in the under side of the forward portion of the bolt, as in Fig. 1, so as to lock the bolt at its forward limit. A portion of this flange is removed, so as to form a concaved notch or seat 14, which when turned into alinement with the notch 13 engages the lower side of the bolt and permits of the latter being pushed into the case.

In practice the present fastener is applied to one of the stiles of an upper window-sash—such, for instance, as shown at 15—the plate 1 being let in flush with the inner face of the stile and the case 5 being received within a socket 16. When the bolt is at its forward limit, it overhangs the meeting-rail of the lower sash 17, thereby to lock the two sashes against further opening movements. By preference a metallic plate 18 is secured to the top of the meeting-rail of the lower sash, so as to take the wear of the bolt 17. To hold the bolt against being retracted, the latch is turned to bring its flange 12 into the notch or seat 13 in the bottom of the bolt, whereupon the latter is locked against movement in either direction. In view of the fact that the stiles of window-frames are set back from the meeting edges of the meeting-rails there is sufficient space between the stile of the upper sash and the meeting-rail of the lower sash to accommodate the latch 10. To release the sashes, the latch is turned into the position shown in Fig. 3, so as to bring its notch 14 into alinement with the notch or seat 13 of the bolt, whereupon the bolt and the latch are out of engagement and the bolt may be forced rearwardly into the case out of the path of the meeting-rail of the lower sash. To hold the bolt retracted, the turnbuckle is turned so as to bring its flange across

the front end of the bolt, whereby the latter will be held in its retracted position and the sashes may be moved to their full limits.

The purpose of the flange 4 is to brace the forward end portion of the bolt against upward strain thereon by reason of its engagement with the meeting-rail of the lower sash.

Having thus described the invention, what is claimed is—

10 1. A sash-fastener comprising an attaching-plate, a bolt working through the plate, a substantially semicylindrical flange carried by the plate and embracing the bolt-opening to brace the bolt, and a latch carried by
15 the plate opposite the flange and in coöperative relation with the bolt.

2. A sash-fastener comprising an attaching-plate, a bolt working through the plate and provided in one side with a transverse
20 recess, and a flanged latch mounted upon the plate and capable of being turned to bring its flange into the recess of the bolt to lock the latter, the flange of the disk having an edge notch to receive the bolt and permit endwise
25 movement thereof.

3. A sash-fastener comprising an attaching-plate, a bolt working therethrough and provided with a transverse recess, and a
30 flanged latch-disk rotatably mounted upon the plate to have its flange engage the recess and lock the bolt, the flange of the disk

being provided with an edge notch to receive the bolt and permit endwise movement thereof, and said flange capable of engaging the outer end of the bolt when retracted to
35 lock the same.

4. A sash-fastener comprising an attaching-plate having a bolt-opening, a case carried by the plate in alinement with the opening and provided with a longitudinal slot, a
40 bolt working in the case and through the opening and provided in its forward portion with a transverse recess, a pin carried by the bolt and working in the slot of the case, a spring housed in the case and bearing
45 against the bolt, and a rotatable disk carried by the plate and provided with a peripheral flange to engage the recess of the bolt and lock the latter, the flange of the
50 tumbler having an edge notch to receive the bolt and permit endwise movement thereof, and said flange capable of being engaged across the outer end of the bolt to hold the same retracted.

In testimony that I claim the foregoing as
55 my own I have hereto affixed my signature in the presence of two witnesses.

NELS JOHNSON.

Witnesses:

N. W. TERRILL,
WM. RUSSELL.