

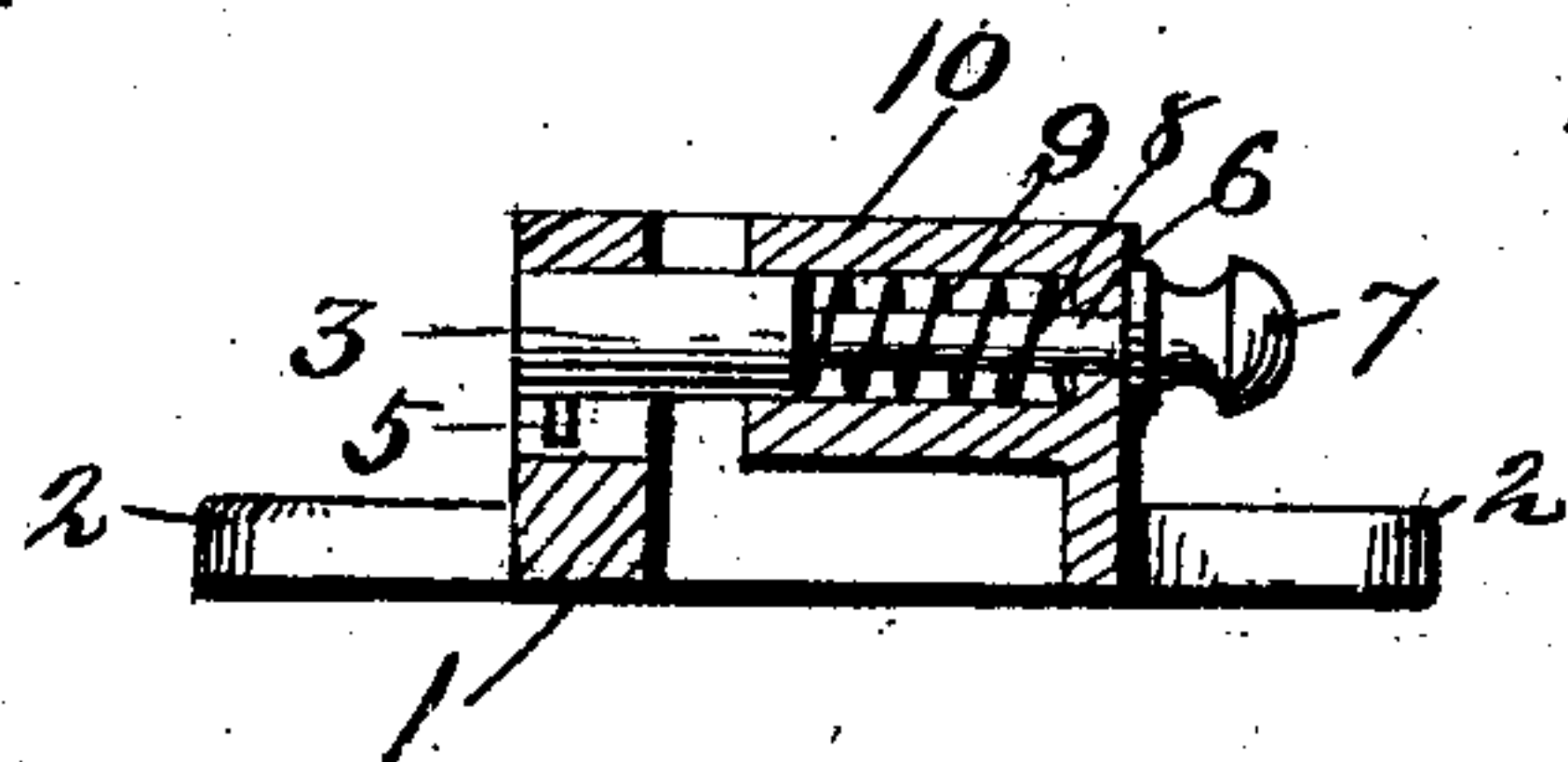
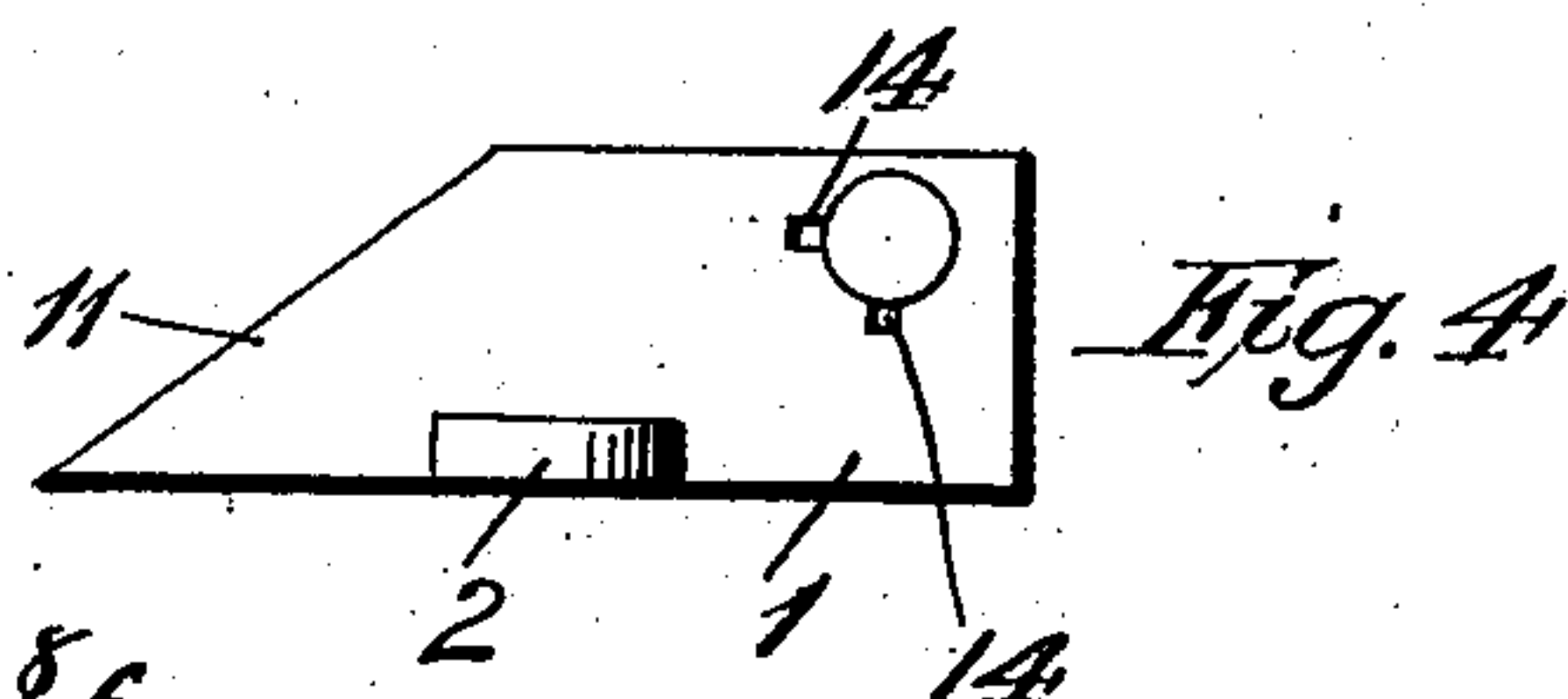
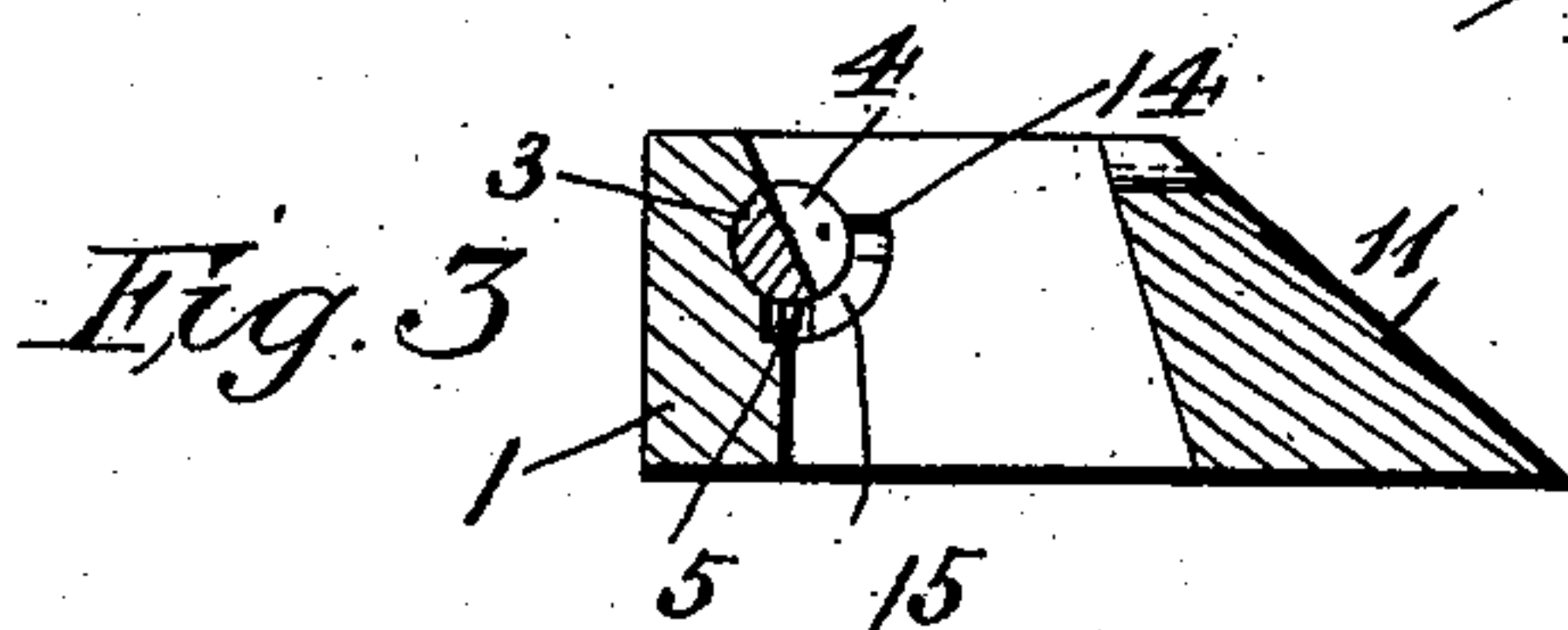
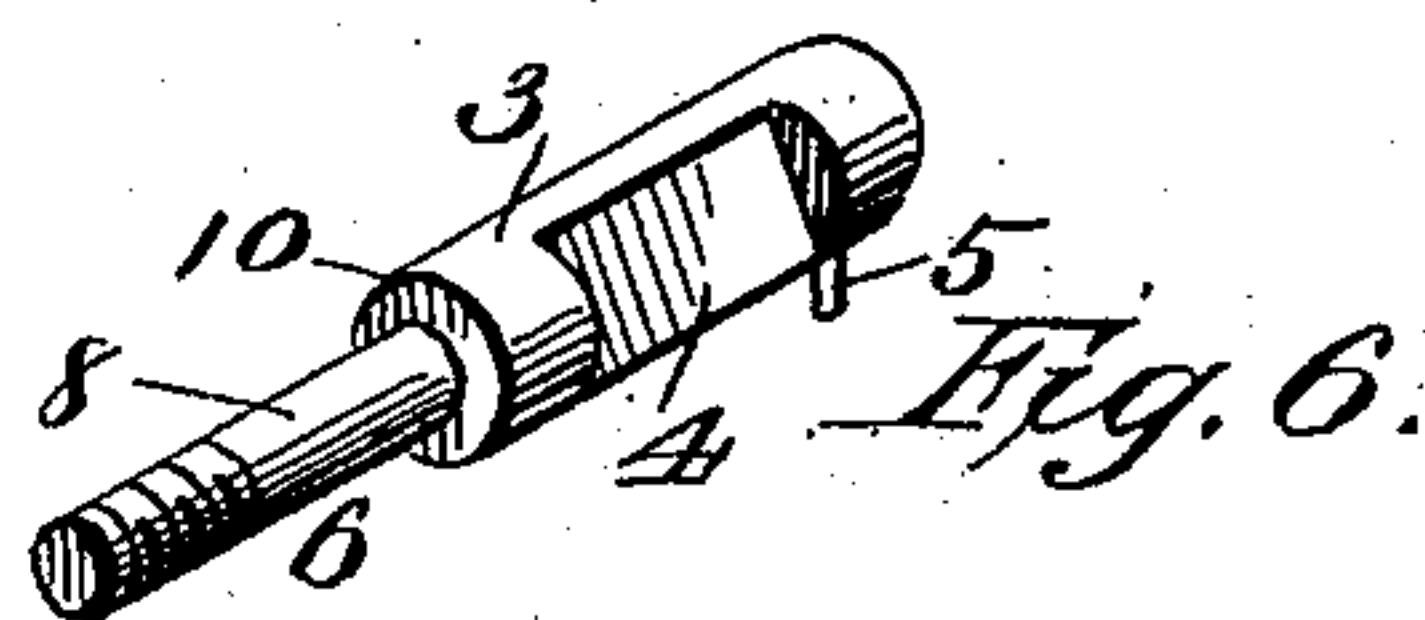
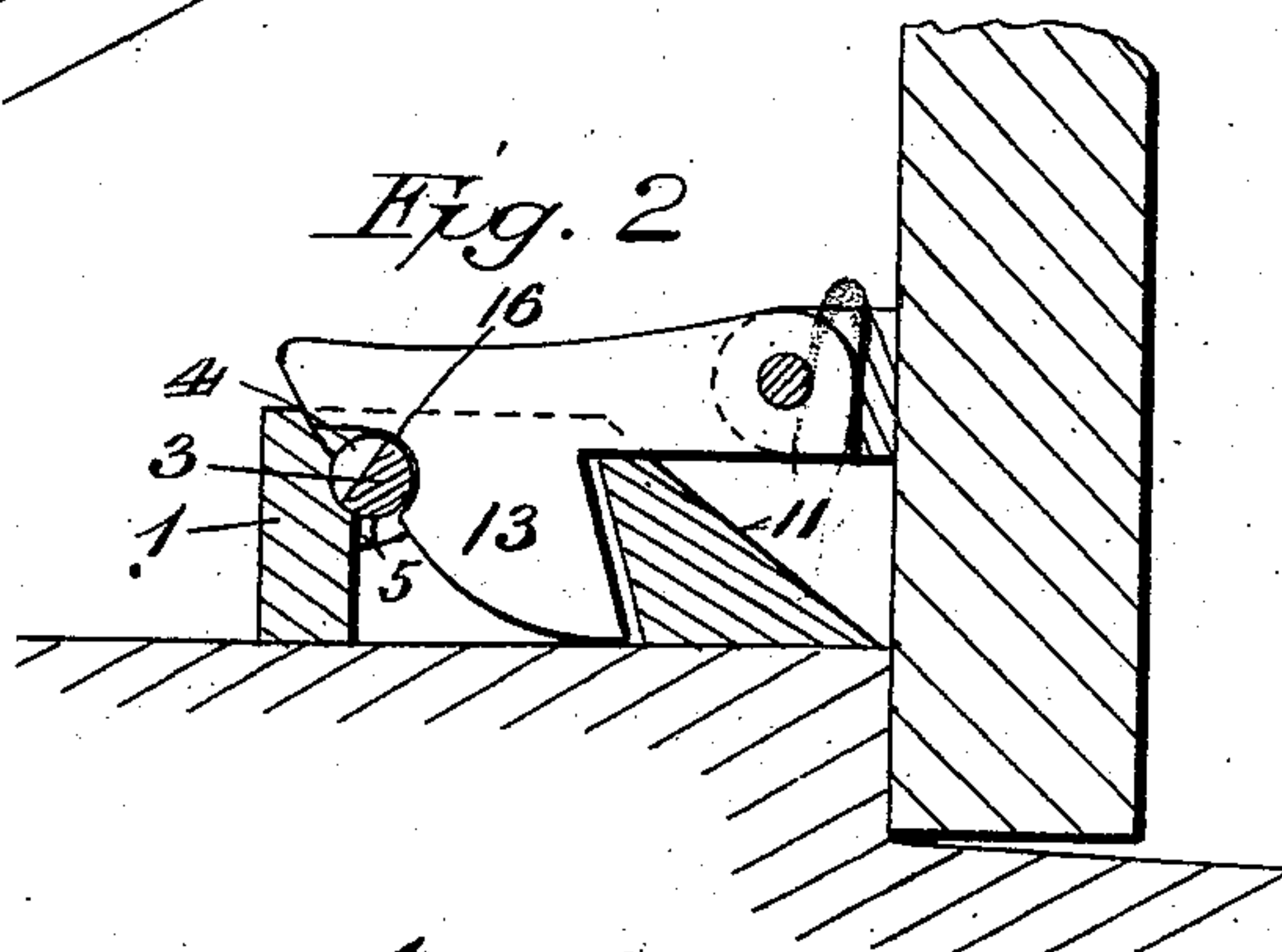
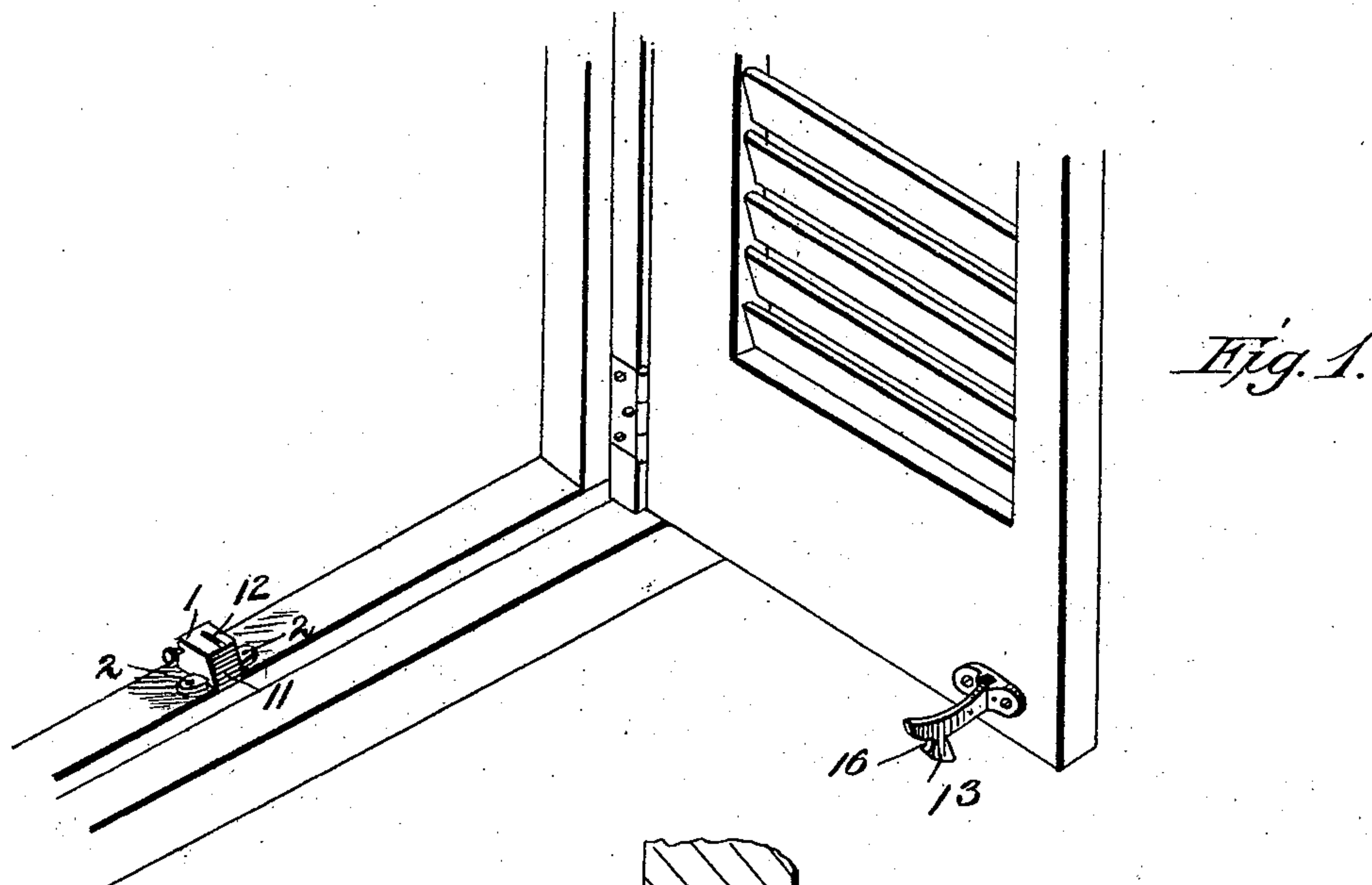
No. 711,696.

Patented Oct. 21, 1902.

J. A. COOK.
SHUTTER LOCK.

(Application filed June 2, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES AUGUSTUS COOK, OF ANDERSON, SOUTH CAROLINA.

SHUTTER-LOCK.

SPECIFICATION forming part of Letters Patent No. 711,696, dated October 21, 1902.

Application filed June 2, 1902. Serial No. 109,860. (No model.)

To all whom it may concern:

Be it known that I, JAMES AUGUSTUS COOK, a citizen of the United States, residing at Anderson, in the county of Anderson and State of South Carolina, have invented certain new and useful Improvements in Shutter-Locks, of which the following is a specification.

My invention relates to shutter-locks and the like, and has for its object to so construct the same that it will not only automatically catch and fasten the shutter when the same is closed, but will by the simple manipulation of a key lock the latch so that it is impossible to unfasten the shutter from without the house.

In the drawings forming a part of this specification, and in which like symbols of reference represent corresponding parts in the several views, Figure 1 is a sectional view of a shutter and a window-sill with my device applied to the same. Fig. 2 is a sectional view of the device in its locked position. Fig. 3 is a sectional view of the block looking in the direction of the key-head, as in Fig. 2, to more fully illustrate the operation of the key. Fig. 4 is a view of the block from the opposite side to that shown in Fig. 3. Fig. 5 is a sectional view of the block, key, and operating-spring, taken at right angles to Fig. 4; and Fig. 6 is a view of the key detached.

1 is a block formed with wings or ears 2 for reception of screws or the like for attaching it to the window-sill, and 3 is a key operating in the same. The key 3 is formed with a cut-away portion 4, a nib 5, a reduced portion or shank 6, formed with screw-threads for reception of a head 7, and the intervening space 8, adapted to receive a spring 9, said spring being held in place by a shoulder 10 and the inner part of the block 1, the head 7 holding the parts together.

The block 1 is intended to be placed on a window-sill or the like and is formed with an incline 11 and a recess 12, the latter adapted to receive the latch 13, attached to the shutter, and the incline permitting the latch to ride up the same.

14 represents slots or recesses formed in the block 1 at the opposite side from the head 7, the function of the same being to lock the key by means of the pin or nib 5 engaging the same.

15 is a groove or way to receive the nib 5, the same being formed in the arc of a circle and extending from one slot 14 to the other.

16 is a recess formed in the latch 13 to receive the key 3.

The operation of the device is as follows: The shutter being closed, the latch 13 rides up the incline 11 and is received by the slot or recess 12, dropping in the same by gravity. The key at this time is in the position illustrated in Fig. 3, the cut-away portion 4 facing the latch and being locked in said position by its nib resting in the lower recess. When it is desired to lock the latch, the key is withdrawn against the power of the spring 9, is then turned to the position illustrated in Fig. 2, and the nib 5 permitted to pass into the horizontal groove or recess, thus locking securely the latch 13.

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

1. In a device of the character described, the combination with the latch of the same, of a recess formed in a block and adapted to receive the latch, and a rotary key to lock the latch in the recess.

2. In a device of the character described, the combination with a latch, of a recess formed in a block and adapted to receive and hold the latch, a key to lock the latch in the block, and locking-pins to prevent the key turning.

3. In a shutter-lock, the combination with the latch, of a block formed with a recess to receive the latch, a recess formed in the latch to receive the key, and means for locking the key in its operative position.

4. In a shutter-lock, a latch, a block provided with a recess to receive the latch, a key to lock the latch, a nib on the key, recesses to receive the nib and hold the key in its different positions, and a spring to normally hold the nib in said recesses.

5. In a shutter-lock, the combination with the latch, of a block formed with a recess to receive the latch, a recess formed in the latch to receive the key, a key formed with a cut-away portion to receive the latch and adapted when turned within the recess in the latch to lock the same.

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

JAMES AUGUSTUS COOK.

Witnesses:

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Q. FRANK JOHNSON.