

O. GUNTHER.

SASH LOCK.

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907,493.

Patented Dec. 22, 1908.

Fig 1.

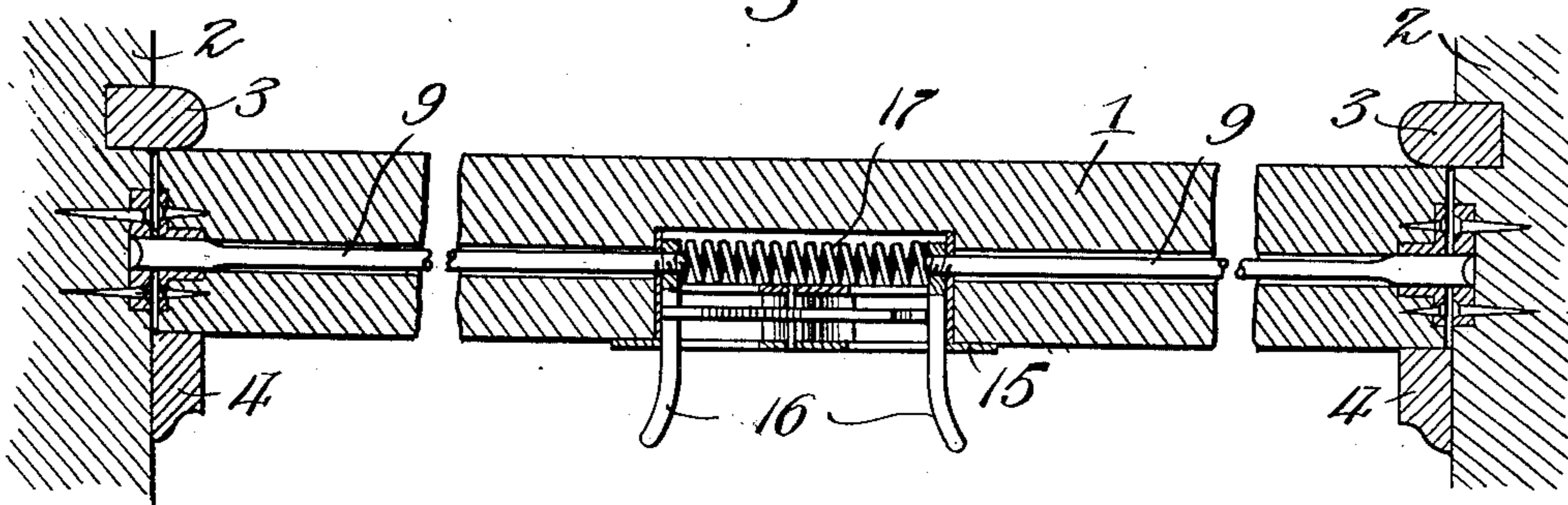


Fig 2

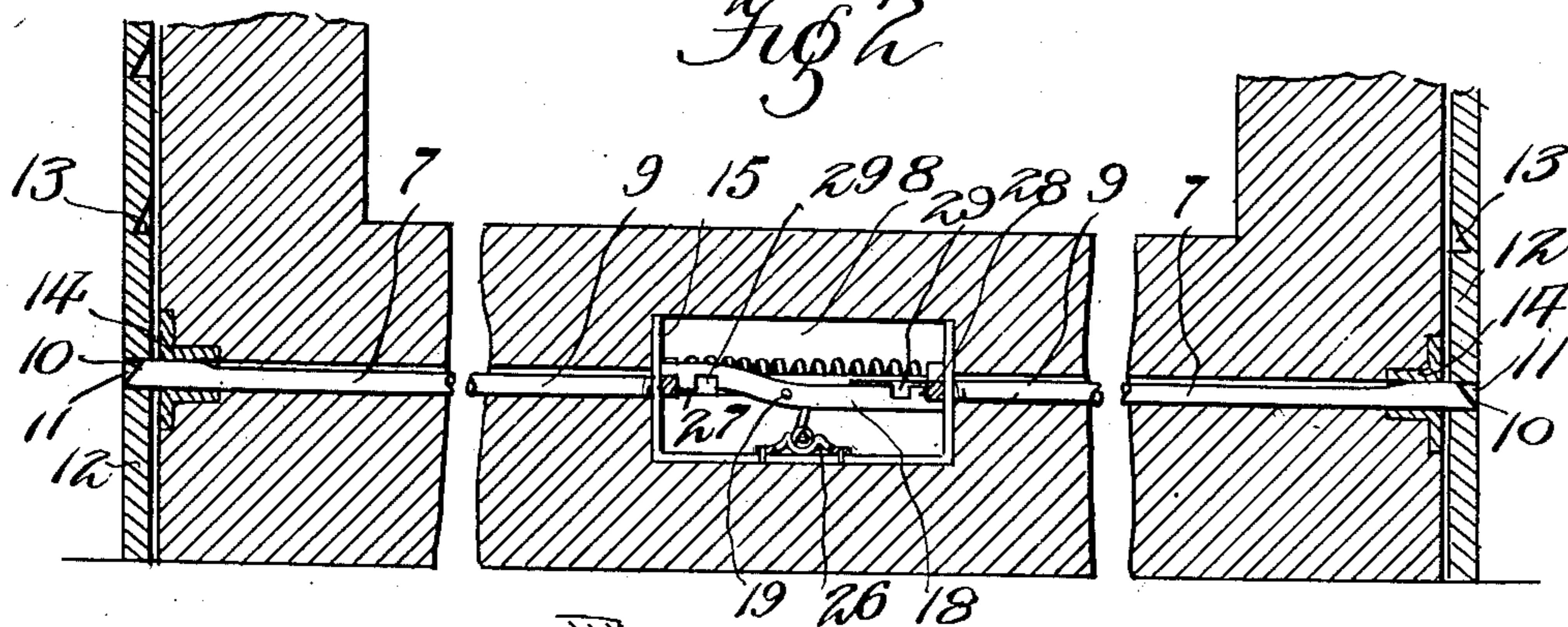


Fig 3.

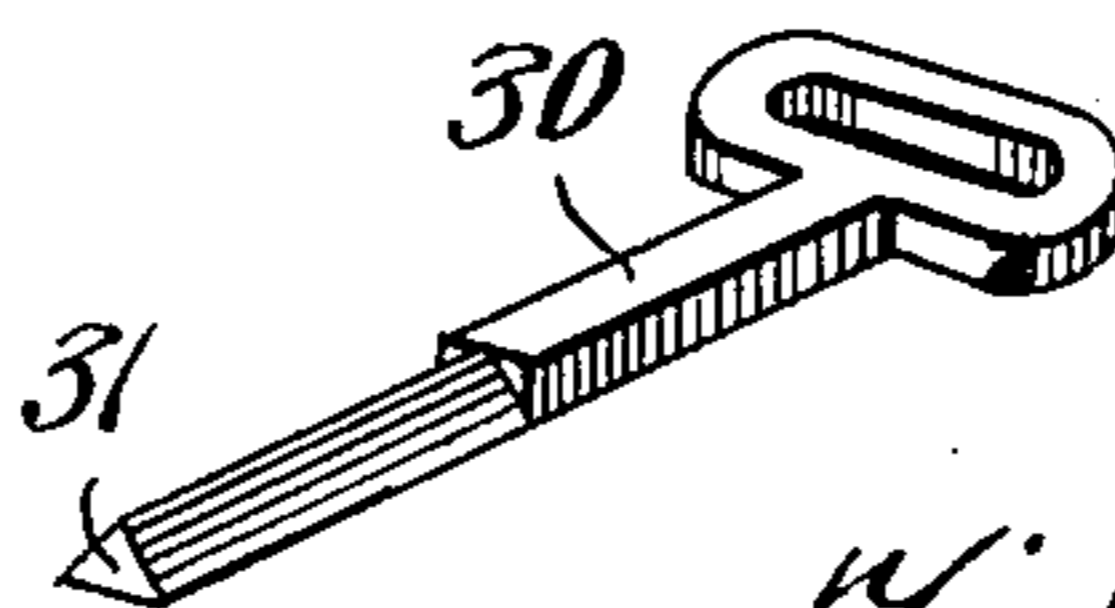
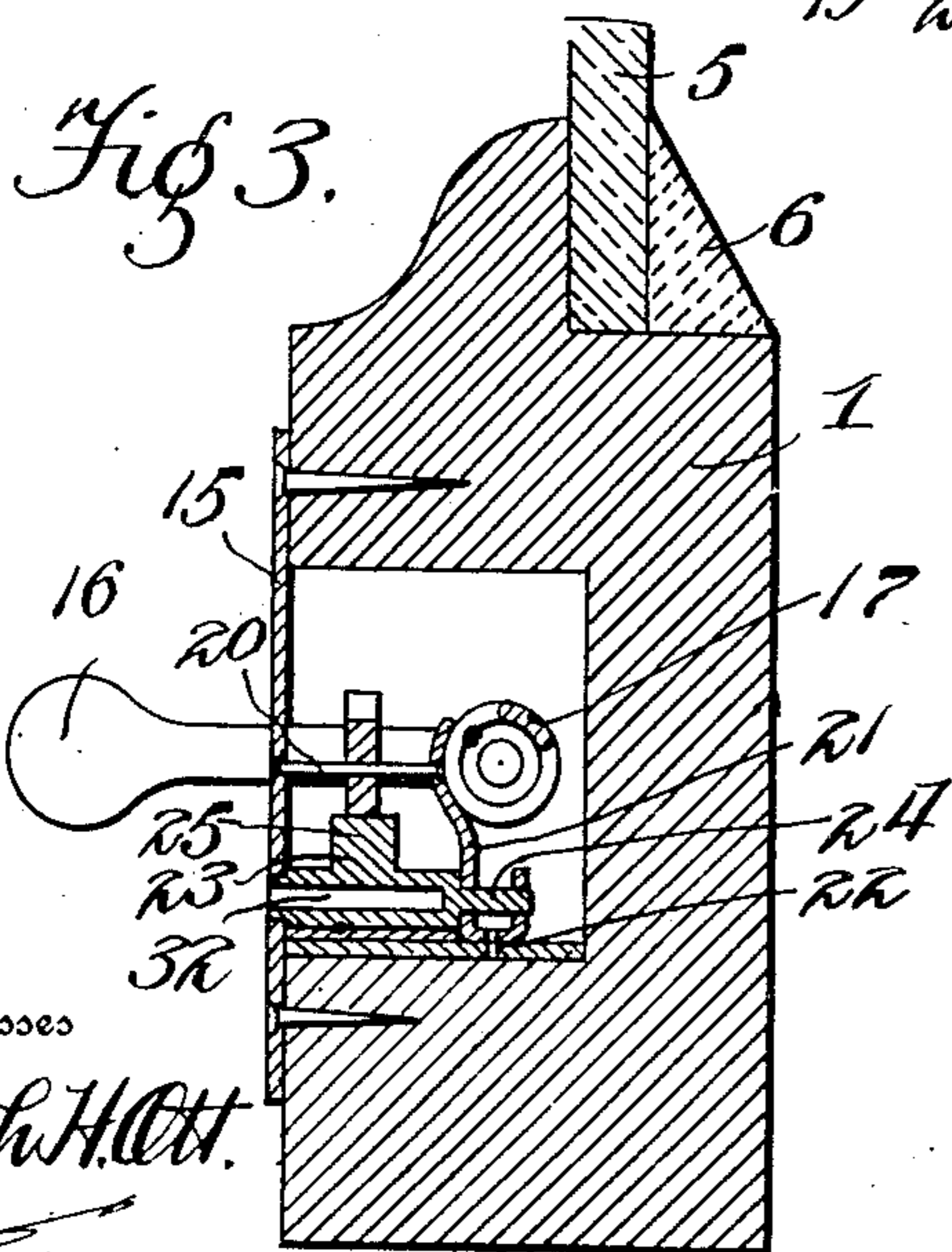


Fig 4.

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SASH-LOCK.

No. 907,493.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, OSKAR GUNTHER, a citizen of the United States of America, residing at Kellogg, in the county of Shoshone and State of Idaho, have invented new and useful Improvements in Sash-Locks, of which the following is a specification.

This invention relates to sash locks designed for the purpose of locking window sashes in place either when the windows are fully closed or when they are raised to give ventilation in the room.

One of the principal objects of the invention is to provide a simple device for operating oppositely disposed spring bolts for locking the window sash at any desired position, and to provide means whereby said bolts may be locked in projected positions, said lock being operated by a removable key.

Another object is to provide a sash lock in which the spring projected bolts may be locked by means of a pivoted tumbler for holding the bolts projected, and a locking mechanism and key for operating said tumbler to unlock the same.

The objects and advantages above referred to may be attained by means of the construction illustrated in the accompanying drawing, in which,—

Figure 1 is a horizontal section taken through the bottom rail of a window sash and showing my sash lock in plan and partial section. Fig. 2 is a vertical section through the bottom rail of the sash and showing my sash lock in position for locking the window down. Fig. 3 is a central vertical section through the sash lock. Fig. 4 is a perspective view of the key for operating the lock.

Referring to the drawing for a more specific description of my invention, the numeral 1 designates the window sash, 2 the window frame, 3 the parting strips, 4 the cleats, 5 the window pane and 6 the putty for holding the window pane in place in the sash.

The bottom rail of the sash is provided with a horizontal opening 7 extending from the outer edge of the sash inwardly toward the center, and an enlarged recess 8 is provided in the center of the bottom rail. Oppositely disposed sliding bolts 9 are placed in the opening 7, the ends of said bolts being beveled, as at 10, to engage either an opening 11 in the metal strips 12 or to engage notches 13 in said strips. The outer ends of the bolts are guided through keepers 14, set

into the sides of the sash. The inner ends of the bolts 9 project through a metal boxing 15 seated in the recess 8 in the sash, said inner ends passing through threaded openings 66 in the inner ends of a pair of finger holds 16, and a spiral spring 17 bears upon the finger holds to force them outwardly and to project the bolts. By grasping the two finger holds 16 and pressing them together, the bolts 9 65 are released from the metal strips 12, and the sash may then be raised for the bolts to engage any of the notches 13.

To lock the bolts 9 projected and in position to engage the holes 11 in the metal strip 12 a lock is provided, said lock consisting of a tumbler 18 pivoted at 19 to a pin 20 which is supported in the box or casing 15 at one end, while the opposite end is connected to a spring plate 21 which bears against the spring 75 17 and is mounted in the casing and secured thereto by means of a rivet 22. To operate the tumbler 18 a rotatable lock 23 is mounted in the casing 15 below the tumbler, said lock having a projected inner end 24 which 80 is pivoted in the plate 21, as shown in Fig. 3, said lock having an upwardly extending lug 25 which engages the tumbler 18. The lock is seated in a keeper plate 26 secured at the bottom of the casing. The tumbler 18 is 85 provided with a downwardly projecting lug 27 at one end and an upwardly projecting lug 28 at the other end, and at the sides of these lugs recesses 29 are provided.

A key 30 having a triangular portion 31 90 which fits within the keyhole 32 is used for unlocking the tumbler 18.

The operation of my invention may be briefly described as follows: Whenever it is desired to raise the window sash, and the 95 tumbler 18 is in locked position, the key 30 is inserted in the keyhole and turned to bring the lug 25 down out of contact with the tumbler to permit the same to rock upon its pivot 19. The lugs 25 normally bear against 100 the shanks of the finger holds 16 to hold the bolts 9 projected. When it is desired to raise the window the finger holds 16 are grasped and the bolts 9 retracted. After the window has been raised and the beveled 105 ends of the bolts are engaged in the notches 13 the tumbler 18 may be turned so that the bolts 29 will engage the squared portions of the finger holds and thus lock the bolts in position.

My invention is of simple construction, can be attached to a window sash of any

kind, will operate quickly and smoothly and can be produced at slight cost.

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

- 5 1. A window sash fastener comprising oppositely disposed bolts, a spring for projecting said bolts, finger holds for retracting said bolts, a lock for locking said bolts projected, said lock having oppositely disposed lugs at
10 its ends to engage the finger holds, and a key for operating said lock.

2. A sash fastener comprising oppositely disposed spring-actuated bolts, finger holds for retracting said bolts, a lock for locking

said bolts projected, said lock comprising a 15 pivoted tumbler having a downwardly projecting lug upon one end and an upwardly projecting lug upon the other end, a lock barrel mounted under the tumbler and provided with a lug to bear against the bottom 20 of the tumbler, and a key for operating said barrel.

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

OSKAR GUNTHER.

Witnesses:

JOHN HOFFMAN,

E. J. HORNIBROOK.