

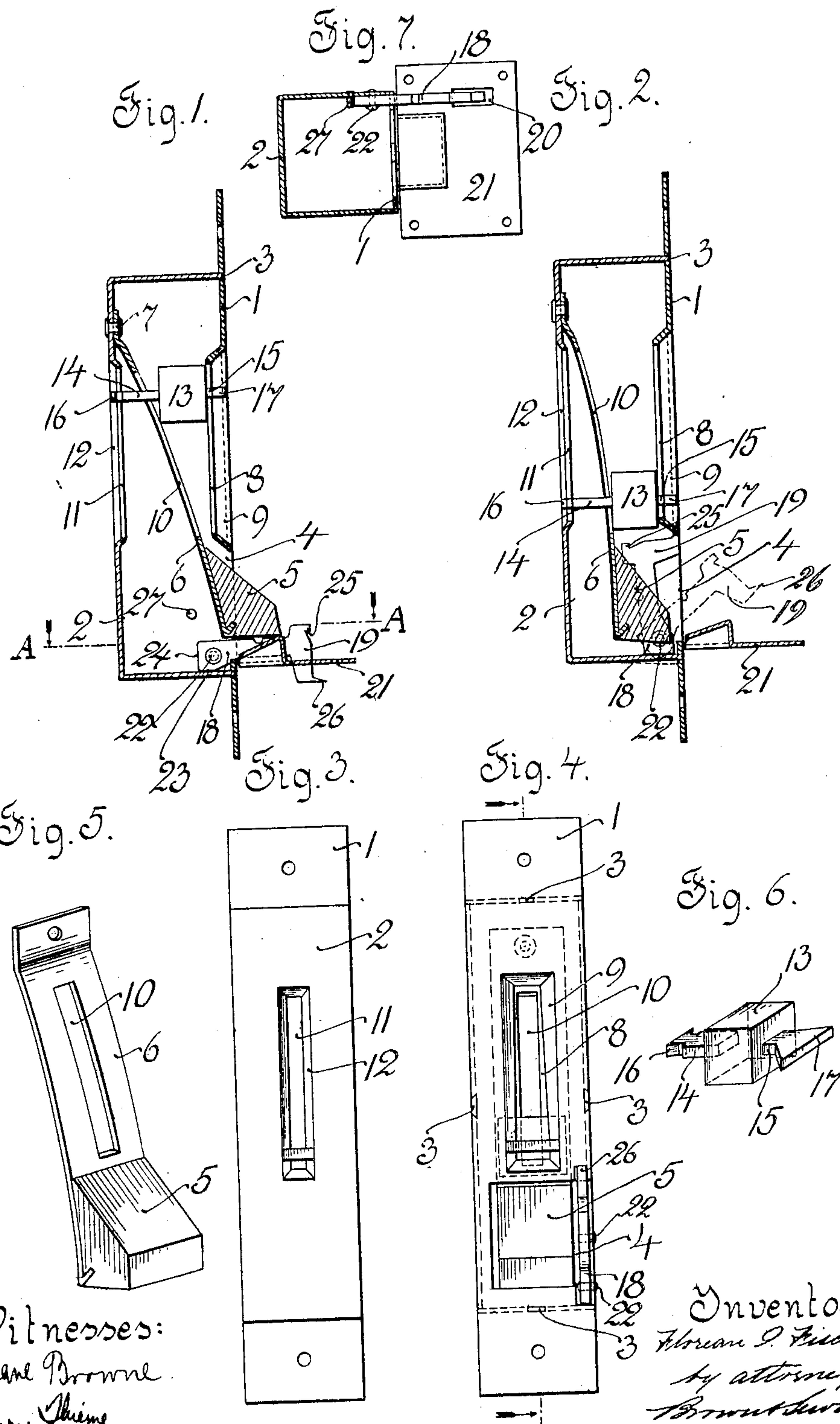
No. 887,321.

PATENTED MAY 12, 1908.

F. I. FISCHER.

SASH LOCK.

APPLICATION FILED APR. 10. 1907.



Witnesses:
 Charles Brown
 Henry Thine

Inventor
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 by attorneys
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UNITED STATES PATENT OFFICE.

FLOREAN I. FISCHER, OF NEW YORK, N. Y.

SASH-LOCK.

No. 887,321.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed April 10, 1907. Serial No. 367,430.

To all whom it may concern:

Be it known that I, FLOREAN I. FISCHER, a subject of the Crown of Roumania, and resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Improvement in Sash-Locks, of which the following is a specification.

The object of this invention is to provide a mechanically operated lock which is particularly applicable for use in connection with locking and releasing window sashes.

A practical embodiment of this invention is represented in the accompanying drawings, in which

Figure 1 represents the lock in longitudinal central section with the parts in the position which they assume when the bolt is thrown into its locking position, Fig. 2 is a similar view with the parts in the position which they assume when the bolt is withdrawn from its locking position, Fig. 3 is a rear elevation of the lock, Fig. 4 is a front elevation of the lock, Fig. 5 is a perspective view of the spring actuated locking bolt, Fig. 6 is a perspective view of the manually operated slide for controlling the movements of the locking bolt, and Fig. 7 is a horizontal section taken in the plane of the line A—A of Fig. 1 looking in the direction of the arrows.

The lock facing comprises a face plate 1 and a box portion 2 which is secured around its edges to the back of the face plate preferably by providing the box portion with prongs 3 along its edges which are riveted in recesses in the face plate 1.

The face plate 1 is provided with a bolt hole 4 through which the head 5 of the locking bolt is moved into and out of its locking position. This locking bolt is provided with a spring shank 6, the upper end of which is secured at 7 to the back of the body portion 2 of the casing. This locking bolt normally occupies its locking position with the head 5 projecting through the hole 4 in the face plate, under the influence of the spring shank 6.

The device which I have shown for manually controlling the movements of the locking bolt is constructed and arranged as follows:—The face plate 1 is provided above the hole 4 with a vertically elongated slot 8 located in a depressed portion 9 in the face plate. The shank 6 of the locking bolt is also provided with a vertically elongated slot 10 and the back wall of the body portion 2 of the casing is provided with a vertically

elongated slot 11 in a depressed portion 12. These three slots 8, 10 and 11, are located in alinement with each other. A sliding block 13 is located between the shank 6 of the locking bolt and the depressed portion 9 of the face plate 1 of the casing, which block is provided with rearwardly and forwardly extended shanks 14, 15, the shank 14 extending through the slot 10 in the locking bolt shank 6 and the slot 11 in the back of the casing, and the shank 15 extending through the slot 8 in the face plate of the casing.

The shank 14 is provided with a head 16 located in the depressed portion 12 at the back of the casing and the shank 15 is provided with a head 17 located in the depressed portion 9 of the face plate of the casing. This head 17 also serves as a thumb piece for use in sliding the block 13 for controlling the movement of the head 5 of the locking bolt.

When the block 13 is moved upwardly, it will permit the spring actuated shank of the locking bolt to swing the head of the locking bolt out through the hole 4 in the face plate into its locking position. When the block 13 is moved downwardly, it will force the shank 6 and thereby the head 5 of the locking bolt inwardly thus withdrawing the head from its locking position. The elongated slot 8 in the face plate is gradually contracted from its bottom to its top so as to insure the retention of the bolt controlling device in its raised position until positively operated upon.

For the purpose of holding the part which carries the lock to the part locked and released by the locking bolt, I provide a swinging latch 18 having a head 19 arranged to enter a slot 20 in a plate 21 carried by the part to be locked and released. This latch is pivoted at 22 within the casing and is provided with two flat surfaces 23, 24, arranged to engage the bottom wall of the body of the casing alternately to lock the latch yieldingly in its thrown and withdrawn positions. This latch may be provided with projections 25, 26, on its head 19 for use in manually swinging the latch into and out of operative position.

A stop 27 is provided within the body portion of the casing for limiting the inward movement of the latch.

What I claim is:—

1. A lock comprising a casing, a locking bolt having a spring shank normally holding the bolt in its locking position and a sliding block interposed between the casing and the

spring shank arranged to withdraw the bolt when the block is moved toward the free end of the bolt and to permit the bolt to return to its locking position when the block is moved away from the free end of the bolt.

5 2. A lock comprising a casing, a locking bolt having a spring shank normally holding the bolt in its locking position, and a sliding block engaging the shank for controlling the
10 movements of the bolt, said block having rearwardly and forwardly extended shanks

sliding in the rear and front walls of the casing.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this third day of April, 1907. 15

FLOREAN I. FISCHER.

Witnesses:

F. GEORGE BARRY,
HENRY THIEME.