

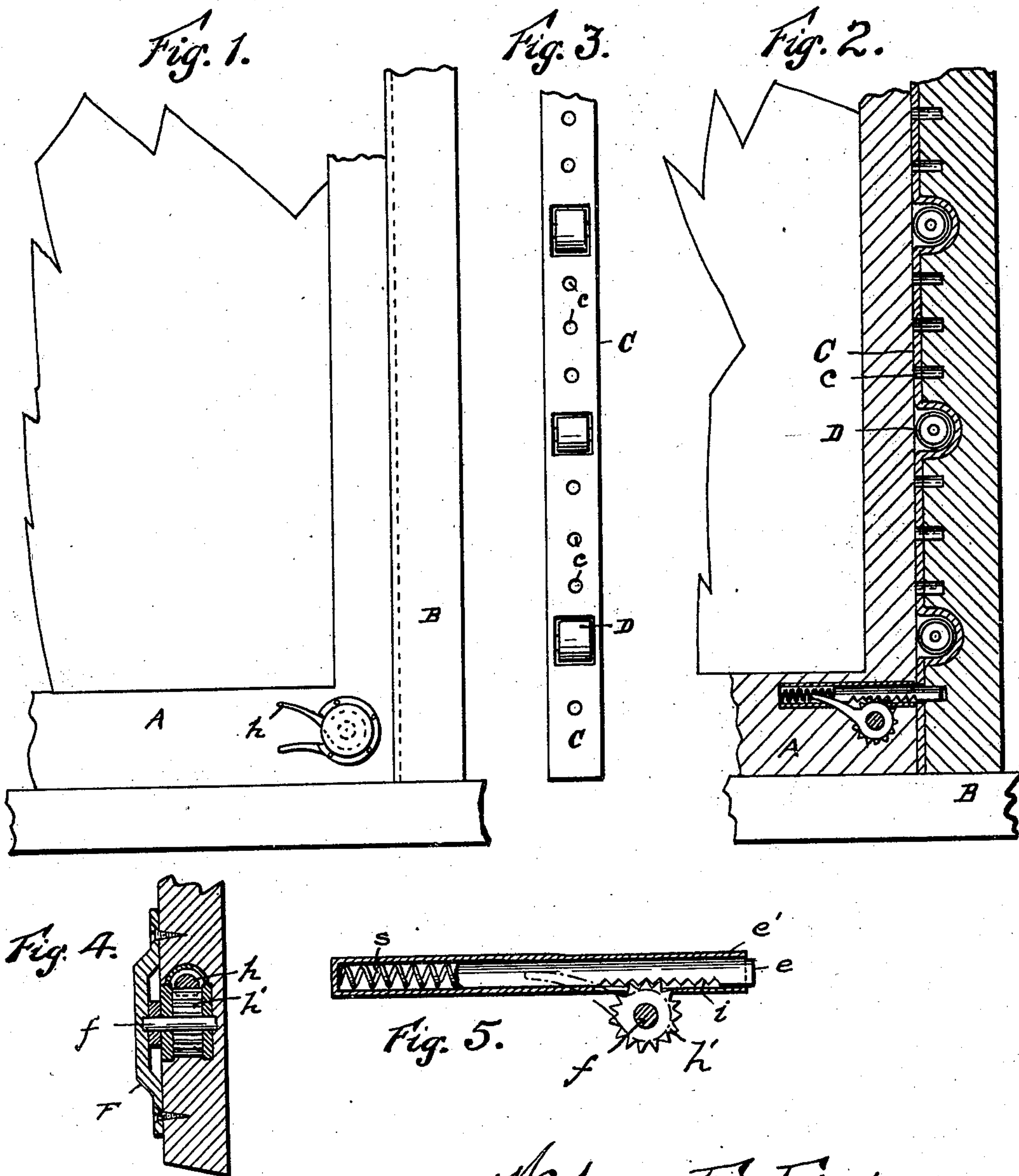
No. 687,006.

Patented Nov. 19, 1901.

W. F. FISTER.
SASH LOCK.

(Application filed Mar. 28, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

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SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 687,006, dated November 19, 1901.

Application filed March 28, 1901. Serial No. 53,218. (No model.)

To all whom it may concern:

Be it known that I, WALTER F. FISTER, a citizen of the United States, residing at Hamburg, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Sash-Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in sash-locks, and is intended more particularly for use on car-windows.

The object of the invention is to provide an improved device of this class that will be simple in construction and operation.

The invention is fully described in the following specification and clearly shown in the accompanying drawings, in which—

Figure 1 is a full view of a portion of a window with my device applied. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a face view of the roll-carrying strip or plate. Fig. 4 is a sectional view of the locking device. Fig. 5 is a detail of the bolt and thumb-lever.

A represents a portion of a window-sash, to the lower corner of which are secured the locking-bolt and operating mechanism therefor.

Secured to the frame B of the window is a vertical strip or bearing-plate C, along which the sash travels. This strip is provided with a series of large openings in which are mounted friction-rollers D, which latter enter recesses in the frame B and are so placed that their outer surfaces will contact with the edge of the sash A. The plate C is further provided with a series of equidistant perforations c, interposed between the friction-rollers D and which register with apertures located in the frame B.

The locking-bolt e is embedded in the sash and is covered by a casing e' and backed by a coiled spring s. The lower side of the bolt e is formed with teeth i.

The casing F of the operating mechanism carries a shaft f, on which is secured the thumb-lever h, which is formed with a toothed wheel h', surrounding the shaft f and which is adapted to engage the teeth i on the bolt e.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings. When pressure is placed on the thumb-lever h, the toothed wheel h' will force the bolt e back, withdrawing it from the registering openings in the plate and frame, so that the sash will be free to be raised or lowered. The rollers D will reduce the friction to a minimum, and when the lever h is released the bolt e will be forced outward by the spring back of it and into the nearest perforation c in the strip C, thus securely locking the sash in any desired position. The inconvenience of opening and closing the window is greatly reduced, and the danger of the window dropping is also overcome, for should the bolt become disengaged by accident the sash will drop only so far as the next opening c, when the bolt will be forced into it and stop the further descent of the sash.

It will thus be seen that I have provided a simple and effective sash-lock and one that will accomplish the objects for which it is intended, while at the same time the cost of construction is by no means great.

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

In a sash-lock, the combination with a frame and a sash, said frame being provided with a number of recesses, and a series of smaller apertures interposed between said recesses, a plate provided with openings, friction-rollers mounted in said openings, and a series of perforations interposed between the rollers, said plate adapted to be secured to the frame so that the friction-rollers will enter the recesses therein, and the perforations register with the apertures, a spring-pressed bolt secured to the sash, normally engaging one of the apertures and means for withdrawing the same, substantially as and for the purpose set forth.

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

WALTER F. FISTER.

Witnesses:

ED. A. KELLY,
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