

No. 824,780.

PATENTED JULY 3, 1906.

C. H. ECKER.

SASH LOCK.

APPLICATION FILED FEB. 26, 1906.

Fig. 1

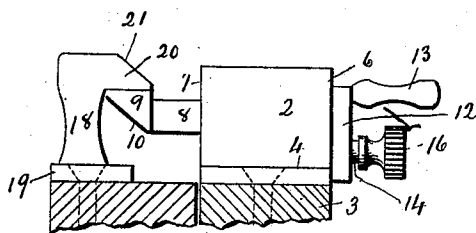


Fig. 2

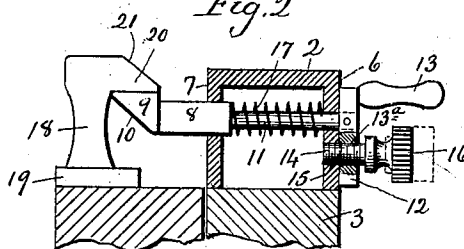


Fig. 3

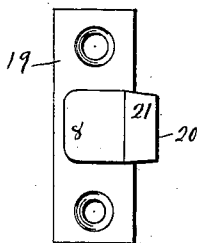


Fig. 4

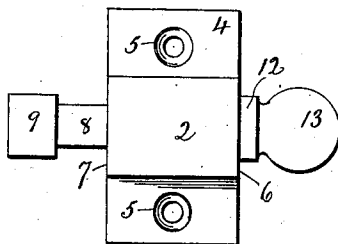
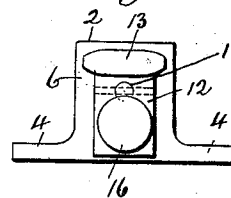


Fig. 5



Witnesses.
J. H. Shumway
C. L. Need.

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UNITED STATES PATENT OFFICE.

CHARLES H. ECKER, OF MIDDLETOWN, CONNECTICUT.

SASH-LOCK.

No. 824,780.

Specification of Letters Patent.

Patented July 3, 1906.

Application filed February 26, 1906. Serial No. 302,846.

To all whom it may concern:

Be it known that I, CHARLES H. ECKER, a citizen of the United States, residing at Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Sash-Locks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the numerals of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a sash-lock constructed in accordance with my invention; Fig. 2, a broken vertical sectional view of the same; Fig. 3, a top or plan view of the keeper detached; Fig. 4, a top or plan view of the lock detached; Fig. 5, a front view of the lock.

This invention relates to an improvement in sash-locks, and particularly to devices which are arranged at the meeting-rails of sashes and are in a sense automatic, the object of the invention being a simple arrangement of parts whereby when the sashes are in a closed position they will be locked and may be so securely locked that they cannot be opened from the outside; and the invention consists in the construction hereinafter described, and particularly recited in the claims.

The case 2, which is adapted to be secured to the upper rail 3 of the lower sash, is of a box-like character, with flanges 4, having screw-holes 5, by which the case may be secured to the said upper rail. The case also includes a front wall 6 and a rear wall 7. The bolt 8 has a head 9, the under face 10 of which is inwardly beveled. This bolt is formed with a stem 11, which passes through the case and projects beyond the wall 6. To this stem a plate 12 is attached, the plate formed with a thumb-piece 13, and below the stem the plate is formed with a screw-threaded opening 13^a to receive a screw 14, which passes into a suitably-threaded hole 15 in the front wall 6, the screw being provided with a knurled head 16, by which it may be conveniently turned. Upon the shank 11 within the case is a spiral spring 17, the tendency of which is to throw the bolt outward. The striker or keeper consists of a post 18, rising

from a base-plate 19, which is adapted to be screwed to the lower rail of the upper sash. At the upper end of this post is a forwardly-projecting lug 20, having a beveled upper face 21 to coact with the beveled face 10 of the bolt, which bolt is adapted to pass beneath the lug 20 when the sashes are in a closed position.

In the closed position the bolt 8 springs forward, so as to project the head 10 below the lug 9, and hence prevent the upper sash from being lowered or the lower sash from being raised. In this position the plate 12 bears against the front face of the wall 6 and may be locked thereto by the screw 14, thus preventing the withdrawal of the bolt. To unlock the window, the screw is first turned outward to disengage the plate 12 from the front wall 6, whereupon the bolt 8 may be readily withdrawn by a pull upon the finger-piece 13, the bolt being retracted sufficiently to clear the lug 20 of the keeper. When thus retracted, the sashes may be removed as desired. As the sashes approach the closed position the beveled face 10 of the bolt strikes the beveled face 21 of the lug, and owing to the parallel inclination of the parts the bolt will move inward until it passes the lug, when it will fly outward under the action of the spring and bring the parts to a locked position. When the bolt is thrown beneath the keeper and locked there by the screw 14, it is impossible to disengage the bolt from the keeper by any means outside short of breaking some of the parts.

I claim—

1. The herein-described sash-lock comprising a housing, a bolt arranged to move back and forth therein, said bolt formed with a head having a beveled under face, a plate connected with said bolt and adapted to be locked to the housing, and a keeper having a lug with a beveled face to coact with the beveled face of the bolt, substantially as described.

2. A sash-lock comprising a housing, a bolt arranged to move therein, said bolt formed with a stem projecting through the front face of the housing, a spring on said stem within the housing, a plate connected with the outer end of said stem, a screw mounted in said plate and adapted to engage with the for-

ward wall of the housing whereby the plate is
locked thereto, said bolt formed with a head
having a beveled under face, and a keeper
having a lug beneath which the bolt is adapt-
5 ed to pass, said keeper having a beveled up-
per face to coact with the beveled face of the
bolt, substantially as described.

In testimony whereof I have signed this
specification in the presence of two subscrib-
ing witnesses.

CHARLES H. ECKER.

Witnesses:

D. WARD NORTHROP.

WALTER HADDOCK.