

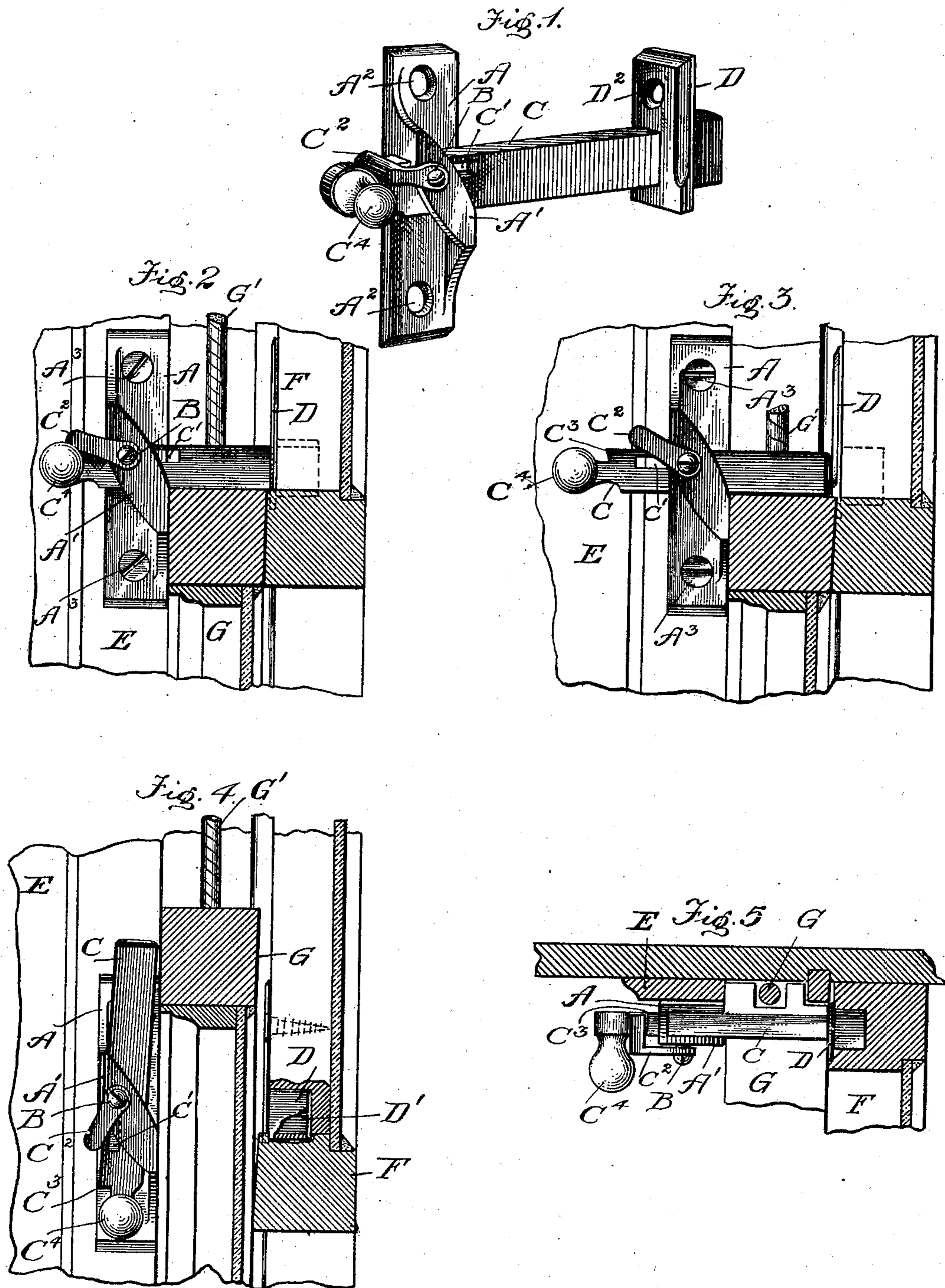
No. 654,384.

Patented July 24, 1900.

A. CLIFFORD.
SASH LOCK.

(Application filed Mar. 26, 1900.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

ANTON CLIFFORD, OF WINNETKA, ILLINOIS.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 654,384, dated July 24, 1900.

Application filed March 28, 1900. Serial No. 10,185. (No model.)

To all whom it may concern:

Be it known that I, ANTON CLIFFORD, a citizen of the United States, residing at Winnetka, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

This invention relates to locks for window-sash, and has for its object the production of an improved lock having a pivoted bolt intended to overlies the lower sash and to enter a keeper in the upper sash, which bolt automatically folds upward when withdrawn from said keeper and when the lower sash is raised.

In the accompanying drawings, Figure 1 is a perspective view of this improved sash-lock detached from a window. Fig. 2 is a view showing it applied to a window-casing and in a position to lock both of the sash. Fig. 3 is a view similar to the preceding figure, excepting that the locking-bolt is represented as withdrawn from the keeper. Fig. 4 is a view showing the lower sash raised, illustrating the position which the locking-bolt then assumes; and Fig. 5 is a plan view of the lock, its parts being in the positions indicated in Fig. 2.

Like letters of reference indicate corresponding parts throughout the several views.

In the construction of this sash-lock I provide the attaching-plate A, having the diagonal loop A' formed integral therewith and rising above the face of said attaching-plate. A² shows countersunk openings formed in the face of said attaching-plate for receiving screws A³, by means of which said plate is secured to the window-casing. A pivotal screw B extends through an opening in said loop A' and said plate A, entering the woodwork of the window-casing, to which the plate A is secured.

C is a locking-bolt adapted to lie within the loop A', having the longitudinally-elongated opening C', by means of which said bolt is mounted upon the pivotal screw B. The bolt C thus is capable of a sliding movement with relation to said plate A, limited by the length of the elongated opening C'. A gravity-latch C² is pivotally mounted upon the screw B and is adapted to engage a shoulder C³ at the rear end of the locking-bolt C, its purpose being

to prevent the withdrawal of said bolt from its keeper, to be later described.

C⁴ is a knob fixed to the bolt C, by means of which said bolt is operated.

D is a keeper-plate having the keeper-opening D' and the countersunk opening D² for receiving an attaching means by which said keeper-plate is secured to the upper sash of the window.

E is the window-casing, F the upper sash, G the lower sash, and G' the sash-cord, all arranged in the usual manner.

The application of this sash-lock to a window is as follows: The lower sash is lowered and the upper sash raised as far as possible. The attaching-plate A is secured to the window-casing in such position that the locking-bolt C will rest firmly upon the top of the lower sash. The keeper-plate is secured to the upper sash in such position that the bolt when thrust forward will enter the keeper-opening D'. When the bolt is thus thrust forward, the sash of the window will be locked in a closed position. To unlock them, the gravity-latch C² is raised from its engagement with the shoulder C³ at the rear of the locking-bolt C and said bolt withdrawn from the keeper-opening D'. The lower sash may then be raised and the locking-bolt C will assume the position indicated in Fig. 4, or the upper sash may be lowered and the bolt will remain in the position indicated in Fig. 3.

The length of the bolt C is made to correspond to the thickness of the window-sash—that is to say, it may be made longer for thicker sash and shorter for thinner ones.

I claim as my invention—

1. In a sash-lock, in combination, an attaching-plate having a standing loop; a locking-bolt having a pivotal and a sliding connection within said loop, which bolt is adapted to lie upon the top of the lower sash and to enter a keeper-opening in the upper sash; and a keeper-plate having a keeper-opening therein.

2. In a sash-lock, in combination, an attaching-plate having a diagonal standing loop; a locking-bolt having an elongated opening; a pivot for said bolt, extending through the elongated opening therein, and adapted to be supported on said loop and the attach-

ing-plate; a keeper-plate having a keeper-opening for receiving said locking-bolt; and means for securing the attaching-plate to the window-casing.

5 3. In a sash-lock, in combination, a locking-bolt having an elongated opening therein; an attaching-plate having a pivot extending through the elongated opening in said bolt; a latch adapted to engage a notch in said bolt;
10 a keeper-plate having a keeper-opening therein; and separate means for securing the attaching-plate to the window-casing, and the keeper-plate to one of the window-sash.

4. In a sash-lock, in combination, a locking-

bolt having a longitudinally-elongated opening therein; an attaching-plate having a standing loop; a pivot on said attaching-plate extending through said elongated opening; a latch adapted to engage a notch in said bolt; a keeper-plate having a keeper-opening there- 20 in; and separate means for securing the attaching-plate to the window-casing, and the keeper-plate to one of the window-sash.

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Witnesses:

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