

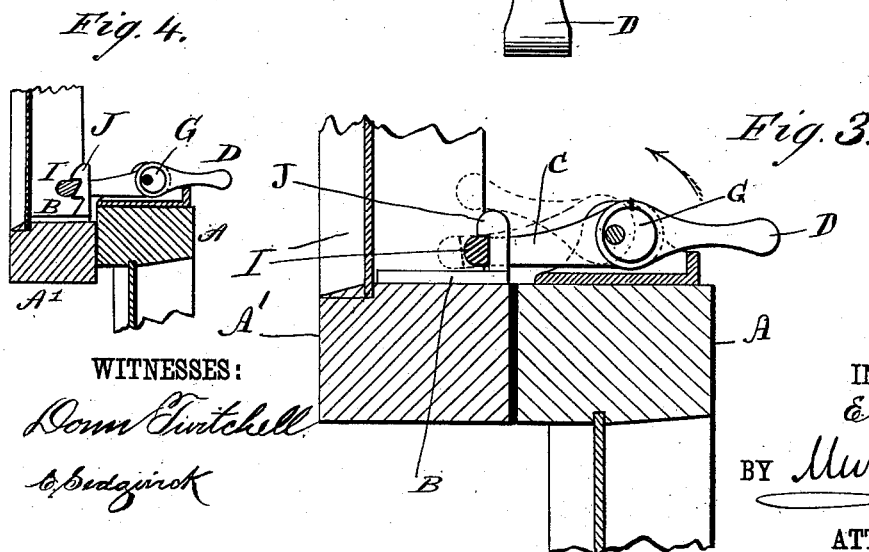
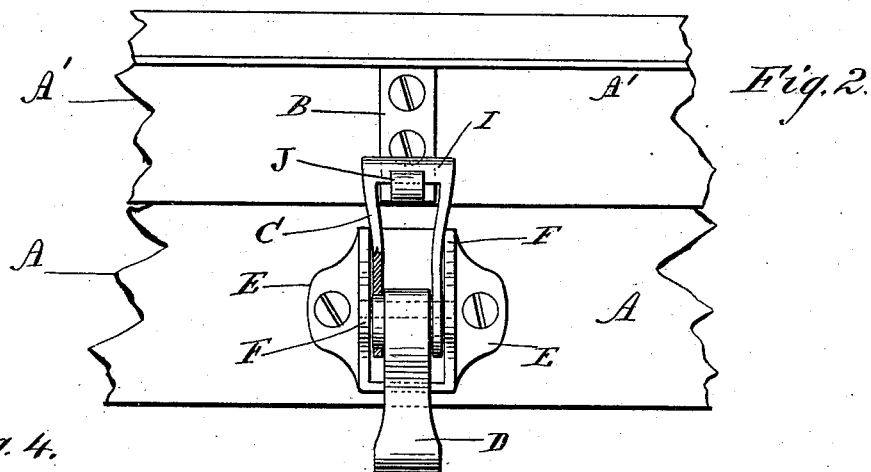
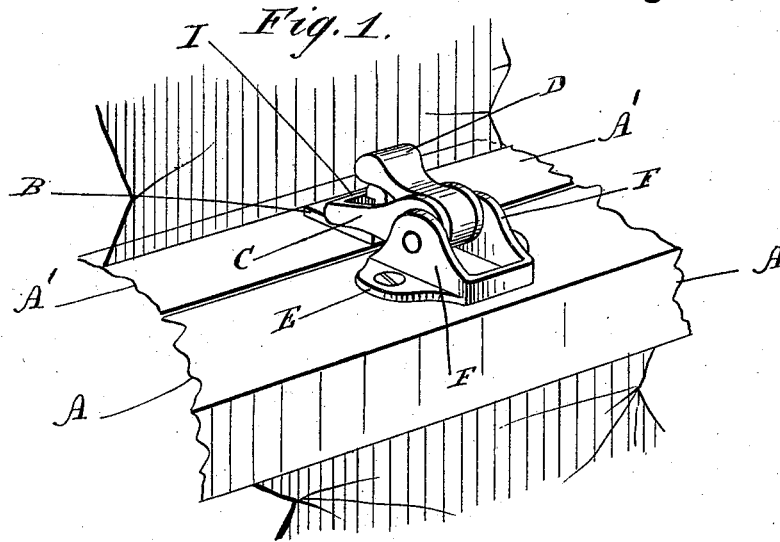
(No Model.)

E. R. FERRY.

SASH LOCK.

No. 347,101.

Patented Aug. 10, 1886.



UNITED STATES PATENT OFFICE.

EDWIN R. FERRY, OF NEW HAVEN, CONNECTICUT.

SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 347,101, dated August 10, 1886.

Application filed March 18, 1886. Serial No. 195,769. (No model.)

To all whom it may concern:

Be it known that I, EDWIN R. FERRY, of the city of New Haven, county of New Haven, State of Connecticut, have invented new and
5 Improved Sash-Locks, of which the following is a full, clear, and exact description.

This invention consists in a novel device for drawing the rails of the upper and lower sash of a window together to exclude the cold and
10 dust, and to lock them together so that neither sash can be moved until released by the lock from the interior, as will be hereinafter fully described and claimed.

Reference is to be had to the accompanying
15 drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 represents a view in perspective of my improved sash-lock secured to the upper
20 and lower rails of window-sash, and in position to permit either sash to be raised or lowered or to be locked together, as required. Fig. 2 represents a plan top view of my sash-lock, also secured to the dividing-rails of the
25 upper and lower sash of a window, showing the two rails drawn snugly together and locked, so that neither sash can be moved until unlocked from the interior. Fig. 3 represents a longitudinal sectional elevation of this
30 lock secured to the upper and lower rails of window-sash, the sash being also shown in section, and the dotted lines represent the fastener unlocked, the same as in Fig. 1, to permit the sash to be raised or lowered without interfering with the lock; and Fig. 4 shows a modification of the locking-stud.

A A' in the accompanying drawings represent the dividing-rails in the upper and lower
40 sash of a window. This lock is secured to the upper sides of these two dividing-rails A A' by screws, in the usual manner.

On the dividing-rail A' of the upper sash is secured a plate, B, having a notched stud, J, projecting therefrom, as represented in the several
45 figures.

On the upper dividing-rail, A, of the inner and lower sash is secured a plate, E, upon which is mounted a locking-lever, D, carrying a latch-bar, C, by which the rails of the two sashes
50 are drawn snugly together and locked. This latching and locking part consists of a plate, E, secured to the upper side of the dividing-rail A of the lower sash, from which extend two ears or sides, F F. To these sides F is

pivoted a locking-lever, D, which is provided
55 on its two sides with eccentrics G G, as shown in Fig. 3. To these eccentrics G G is fitted the latch-bar C, having a cross-bar, I, which passes over and is drawn beneath the notched
60 end J of the stud on the plate B by the eccentrics G G on the locking-lever D when the lever is turned inward so as to rest upon the inner edge of the plate F, as represented in
Figs. 2 and 3.

The operation of this sash-lock may be briefly
65 described as follows: To draw together the dividing-rails of the two sashes, the latch-bar C and locking-lever D are placed in position, as represented in Fig. 1. The locking-lever D is then turned inward, by which operation the
70 cross-bar I of the latch is drawn beneath the hooked end J of the stud on the plate B, drawing the two rails together, closing the space between them, and locking them firmly together, as shown in Figs. 2 and 3.

To unlock the rails of the two sashes, the
75 locking-lever D is turned to the position shown in Fig. 1 and in dotted lines, Fig. 3, when either or both sashes may be raised and lowered at pleasure without interfering with the
80 lock.

It is quite evident that instead of the eccentrics G G, to move the latch-bar back and forth to engage and disengage with the hook J, crank-pins may be substituted therefor which would
85 accomplish the same movements as the eccentrics.

In Fig. 4 is shown a modification wherein the notched end J of the stud on plate B is provided with two notches, so that in case the
90 meeting-rails do not align the latch-bolt C will be sure to engage the stud.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The fastener herein described, the same consisting of the attaching-plate, the lever D,
95 pivoted at its forward end to the attaching-plate, and having the eccentrics G G on the opposite sides of its forward end, the latch-bar C, having the inner ends of its arms journaled on the eccentrics, and the cross-bar I,
100 connecting the forward ends of said arms and the catch or hook J, substantially as set forth.

EDWIN R. FERRY.

Witnesses:

N. S. SEYMOUR,
SAML. HALLIWELL.