

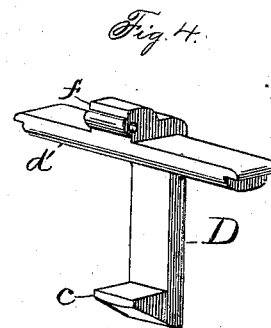
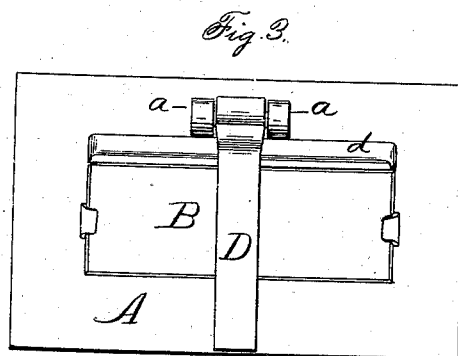
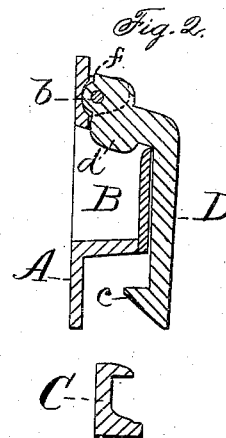
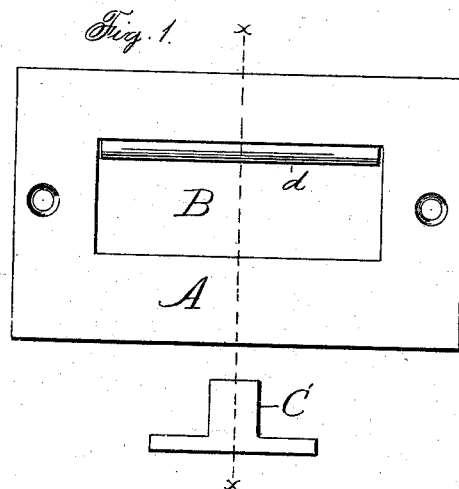
(No Model.)

W. E. SPARKS.

SASH FASTENER.

No. 263,070.

Patented Aug. 22, 1882.



Witnesses.  
John Edwards Jr.  
Fred W. Morey Jr.

Inventor.  
William E. Sparks  
By James Shepard atty.

# UNITED STATES PATENT OFFICE.

WILLIAM E. SPARKS, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO P. & F. CORBIN, OF SAME PLACE.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 263,070, dated August 22, 1882.

Application filed February 17, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM E. SPARKS, of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Sash Lifts and Locks, of which the following is a specification.

My invention relates to improvements in sash lifts and locks in which a latch having a cross-piece is hung to the back side of the lift plate and box, with said cross-piece covering the upper side of the box or finger-mortise in said plate; and the objects of my invention are to produce a flush lift and lock that has substantially the same general appearance of the flush lift alone; also, to make a box-like lift and lock of simple construction and convenient to operate. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a front view; Fig. 2, a vertical section on line *xx* of Fig. 1. Fig. 3 is a rear view, and Fig. 4 is a perspective view, of the latch.

The lift-plate A and the box B, at its rear, are substantially the same as those of ordinary flush-lifts, except that the box is left open at the top and that lugs *a a* are cast upon the back side of the plate A. The back of the plate A is also provided with a shallow recess at a point between said lugs. The keeper C is substantially the same as in some prior sash-locks. The latch D is hung by pintle *b* to the lugs *a a* on the back of plate A. It extends first backward a short distance and then downward by the back side of the box B, as clearly shown in Figs. 2 and 3. Its lower end is beveled and provided with a hook, *c*, for engagement with the keeper C when the sash is lowered for the purpose of locking the sash. At the upper part of the latch D there is a cross-piece, *d*, which covers the top of the box B and projects downward a little into the box, as shown; but it does not show very much from the front, and does not change the general form of the finger-mortise. The latch is so pivoted that the bulk of the cross-piece is back of the pintle *b*, and the stop-shoulder *f* limits the movement of the latch by contact with the rear side of the plate A. The latch engages the keeper, when the sash is lowered, by gravity; but a spring may be added, if desired. The natural manipulation of the lift

to raise the sash will bring the fingers of the operator against the under side of the cross-piece and disengage the latch, when the sash may be lifted by continued upward pressure on said cross-piece.

While I prefer to make my lift and lock with a thin flat plate adapted to be let into the sash-rail flush with its front face, it may be made with the front plate slanting backward from that portion of the plate which surrounds the box B, so that it can be placed on the surface of the sash-rail without changing in the least the former construction of any of the parts except said front plate.

I am aware that a prior patent shows a sash lift and lock which had a latch pivoted to the upper part of the lifting-plate so as to project from the rear into the finger opening or space under the lift, where it was forced backward to disengage the latch from the keeper in the act of placing one's fingers under the lift to raise the sash by an upward pressure on the lift, but not on the latch; also, that another patent shows a hinged lift with its lower end engaging the keeper, and which, when lifted upon to raise the sash, would be disengaged from said keeper by swinging toward the operator to a certain point, after which the continued upward pressure upon the same point of the lift would raise the sash. Both of said prior devices are hereby disclaimed.

I claim as my invention—

1. The flush-plate with the box upon its back side, in combination with the hinged latch having the cross-piece for closing the upper side of said box and the hook for engagement with the keeper, substantially as described, and for the purpose specified.

2. In a sash lift and lock, the plate having the box with an opening at the front for the insertion of the fingers, and an opening at the top, in combination with the latch pivoted to the plate at a point just above the finger-opening, and projecting downward through the opening in the top of the box, and also extending downward behind the box for engagement with the keeper, substantially as described, and for the purpose specified.

WILLIAM E. SPARKS.

Witnesses:

CHARLES PECK,  
HENRY A. BAILEY.