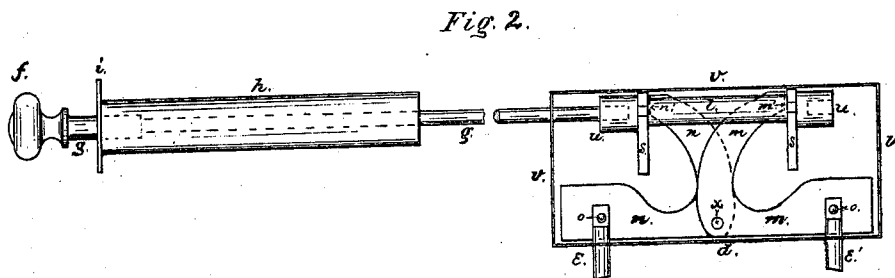
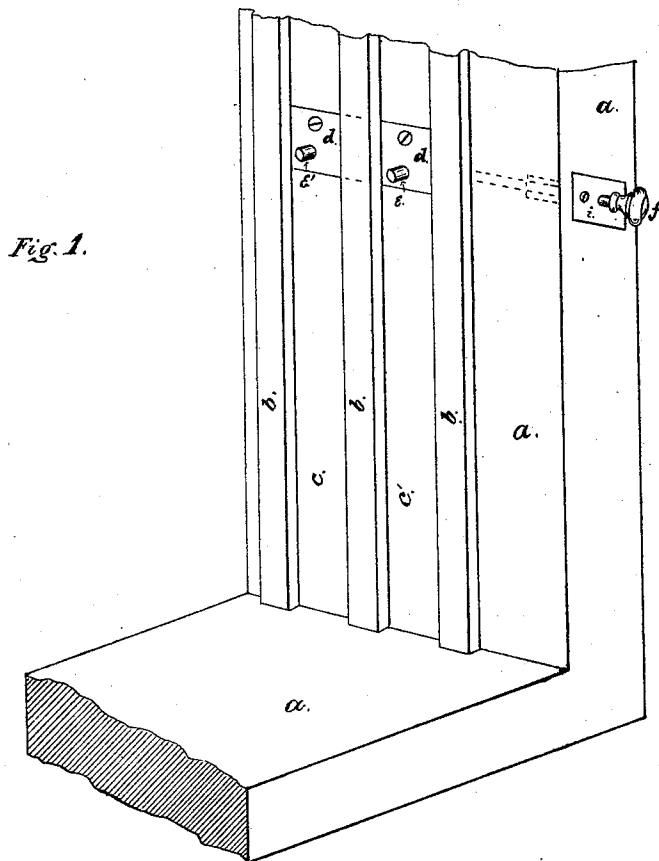


B. FISCHER.
SASH-FASTENER.

No. 170,723.

Patented Dec. 7, 1875.



Witnesses.

John, F. Remmy.
M. K. Smith

Inventor.

B. Fischer

UNITED STATES PATENT OFFICE.

BERNARD FISCHER, OF COLUMBUS, OHIO.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **170,723**, dated December 7, 1875; application filed November 17, 1875.

To all whom it may concern:

Be it known that I, BERNARD FISCHER, of Columbus, State of Ohio, have invented a Combination Sash Lock and Fastener, of which the following is a specification:

The object of my invention is to lock both the upper and the lower sash of a window when both are closed, and also to hold or fasten either of the sash at any point desired, by the combination, in a sash-lock, of disks *n* and *m*, operated through die *l* by means of stem *g*, as shown in the top view, Figure 2, of the accompanying drawing, it being a top view, cover of box removed.

The manner in which the lock is applied to the window is illustrated in the sectional view of a window-frame, Fig. 1. In this *a* represents the frame of a window; *b*, the parting beads for upper and lower sash; *c*, the space in which the upper sash works; *c'*, the space for the lower sash.

In Fig. 2, *v* represents a metal box, containing the working parts. *d* is the front side of said box, and is, by means of wood-screws, secured to the inner side of the window-frame, as shown in Fig. 1.

Crank-levers *n* and *m* work on a common center, *x*. Each of the crank-levers carries a bolt, *E* and *E'*, secured to the lever by a pin, *O*, on which it turns. Crank-levers *n* and *m* are of metal, and placed in the box, one on top of the other. The shaft *l* is a stem, provided at proper intervals with two flanges, *s*, the distance between the two being the length between the two points *n'* and *m'*, which are the extreme ends of the arms of crank-levers *n* and *m*. The shaft *l* is also provided with two sockets, *u*, into which is screwed the stem *g*. These sockets are needed on both ends of the shaft, for the purpose of making the lock work as a right-and-left-hand one. *g* is the stem, by means of which the lock is operated through the window-frame, inside of the room, and its length is determined by the width of the win-

dow-frame. The stem *g* is partly covered by the tube *h*, into which is inserted a common spiral spring. This spring is secured to tube *h* on one end, and to stem *g* on the other end. This tube *h* is also provided on one end with a small plate, *i*, which is secured to the window-frame or its casing by means of wood-screws, so as to make the tube *h* stationary. Stem *g* is on its outer end provided with a knob, *f*. The box of the lock is covered by a thin metal plate. The window-sash will have notches cut in the side, on which the lock is placed at distances as desired.

The operation is as follows: The lock is secured to the window-frame at its proper place, where the two sashes meet, and notches are cut in the sash, the upper as well as the lower, at that place into which the bolts of the lock fit, in order to keep both of the sash locked. To raise the lower sash the knob *f* is pushed in, moving shaft *l* in the same direction, and, by means of flange *s*, causing crank-lever *n* to turn on its fulcrum *x*, pulling out the bolt *E*, and so unlocking the lower sash, which may then be raised to any desired height. The knob *f*, being released, will be brought to its original position by means of the spiral spring, and as soon as the bolt *E* strikes a notch in the sash, into which it will slide, it holds the sash firm at that point. During this operation with the lower sash the upper one will remain undisturbed in its position. For lowering the upper sash the knob *f* is to be pulled out, and the result will be the same as before described for the lower sash.

I claim as my invention—

The combination, in a sash-lock for both sashes, of the two crank-levers *m n*, with their bolts *E E'*, and a shaft, with flanges *s s*, working both levers, substantially as described.

BERNARD FISCHER.

Witnesses:

JOHN P. REMMY,
M. V. B. LITTLE.