

H. B. SCHUREMAN.
 Combined Window-Catch and Burglar-Alarm.
 No. 196,256. Patented Oct. 16, 1877.

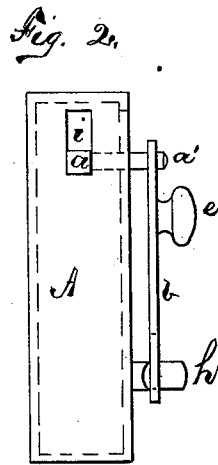
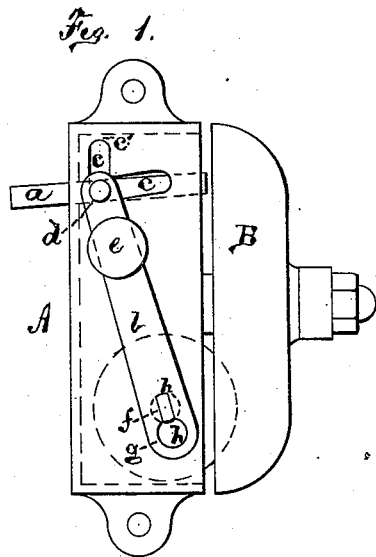
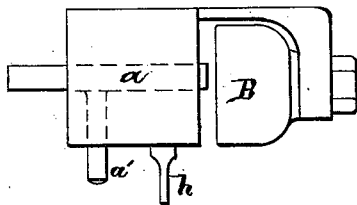


Fig. 3.



Witnesses.

J. H. Insley
G. J. Mello

Inventor

Howard B. Schureman.
By O. Drake, Attorney.

UNITED STATES PATENT OFFICE.

HOWARD B. SCHUREMAN, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN COMBINED WINDOW-CATCH AND BURGLAR-ALARM.

Specification forming part of Letters Patent No. **196,256**, dated October 16, 1877; application filed September 12, 1877.

To all whom it may concern:

Be it known that I, HOWARD B. SCHUREMAN, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Window-Catch and Burglar-Alarm Combined; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in alarm sash-locks, the purpose of which is to combine a sash lock and alarm in such a manner that a movement of the sash will detach the alarm and cause it to ring until the spring has run down.

The accompanying drawing illustrates the nature and character of the invention, in which Figure 1 is a side view of the lock; Fig. 2, an end view, and Fig. 3 a top view; similar letters of reference indicating corresponding parts in each of the several figures.

In Fig. 1 is seen a case, A, containing a spring and the usual mechanism employed for ringing an alarm-bell, B, which is secured to the case A.

The winding square end of the spring-arbor is seen at *h*, and is formed by flattening the arbor of the spring to fit a slot, *f*, in the crank *b*. The crank is further provided with a hole, *g*, which fits the shaft of the arbor loosely, and opens into slot *f* in the end of said crank. It is also provided with a button, *e*, for turning it, and a hole, *d*, at the upper end, fitting a pin, *a'*, projecting from the bolt *a* through the side of the case A, all as shown and indicated. This bolt, being arranged to project from the side of the case A when the alarm is set, is designed to engage in the under or lower sash, or with a pin projecting from it, the case A being secured to the window-frame at the side of the sash.

The bolt is a straight bar running through the case A, and has a pin, *a'*, formed on it, and projecting far enough through the case to aid in moving the bolt back and forth.

The ringing mechanism is not provided with a detent to keep it from running down, and therefore requires the crank *b*, when placed with its slot upon the arbor *h*, to be kept in that position, after winding, as long as the alarm is set.

The hole *d* in the upper end of the crank is therefore placed upon pin *a'*, after winding the alarm, and the tension of the spring serves at once to throw the bolt *a* out of the case A into the sash, as shown and indicated in Fig. 1.

It will be obvious that in this position any movement of the sash upward will move the bolt *a* in the same direction, (the bolt-hole *i* in the case being extended upward, and the slot *c* carried up to *c'* for the purpose,) and draw the crank *b* off of the flat on the arbor *h*, allowing the latter to revolve freely in the hole *g* in the crank, and the alarm to ring until the spring runs down.

It will, however, be noticed that, if the sash needs to be raised from the inside, the bolt *a* can be drawn back without ringing the alarm at all, as it is the transverse movement of the bolt in its slot *i* that lets off the alarm.

It is also plain that the lock can be applied to doors, its application being made in such a manner that the opening of the door moves the bolt *a* in the desired direction, and the form of the case A being modified to fit the door-frame properly.

I do not, therefore, limit myself to the special form or mode of construction described; but

I claim—

In an alarm mechanism, the combination, with the arbor provided with the square end *h*, of the catch *b*, adapted to the end *h*, and having an opening, *g*, the bolt *a*, provided with a pin, *a'*, jointed to the crank, and the case having an L-shaped slot, *c c*, as set forth.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

HOWARD B. SCHUREMAN.

Witnesses:

OLIVER DRAKE,
GUSTAV SEHLBACH.