

G. A. HARRIS.
SASH-FASTENER.

No. 178,522.

Patented June 13, 1876.

Fig. 1

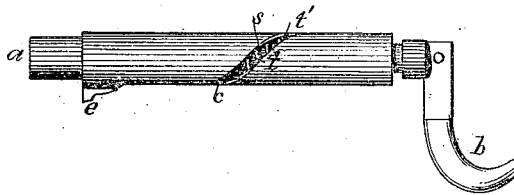
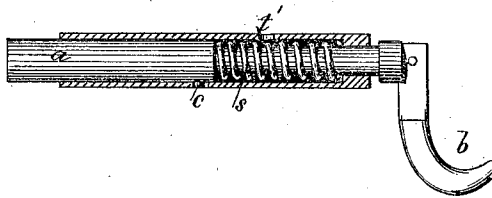


Fig. 2.



Witnesses;
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UNITED STATES PATENT OFFICE.

GEORGE A. HARRIS, OF NORWICH, NEW YORK.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **178,522**, dated June 13, 1876; application filed April 19, 1876.

To all whom it may concern :

Be it known that I, GEORGE A. HARRIS, of Norwich, in the county of Chenango and State of New York, have invented a new and Improved Sash-Lock; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a sash lock or bolt adapted to fit into the side of the sash to hold it down, or at any desired elevation; and consists of peculiarities of construction which will be herein more fully described and particularly claimed.

Figure 1 represents my improved sash-fastener detached from its place, and shows the lever and slot in the case. Fig. 2 is a longitudinal section of the same, showing the bolt with its shoulders, the spring, and the pin which works in the slot.

In the drawings, *a* represents the bolt. It is made larger at the outer end, which enters the holes in the frame, and has a shoulder, against which one end of the spring *s* rests. The spring surrounds the smaller part of the bolt, and is held by the inwardly-turned flange on the inner end of the case. The bolt projects through far enough when thrown into the hole in the frame to leave room for the lever *b*, by which it is manipulated. A spiral or inclined slot, *t*, is made about midway of the case, and corresponding to a pin, *e*, in the bolt. The slot extends just far enough to allow for the proper throw of the bolt, and has on the inner end of the slot a notch, *t'*, fitted to receive the pin on the bolt when the same is drawn back, and to hold it out of connection with the hole in the frame, and against the pressure of the spring.

On the outer end of the case I have placed a small fin, *e*, to prevent the case from turning in the sash.

In applying this improved fastener I bore the sash in precisely the same manner as in the application of the old form of sash-lock, and, after removing the lever, insert the case into its place in the hole, and then replace the lever.

The operation of my lock is as follows: In order to raise the sash the lever (or a knob may be used) is turned so as to retract the bolt, until the pin lodges in the notch, and the bolt held. The sash may be then raised, both hands being free for the purpose, and when at proper height the bolt may be released by reverse turn of the lever, and allowed to pass into the hole in the frame.

I am aware that this form of bolt-case, with an inclosed spring inserted in a hole in the sash, and thrown forward by the spring into a hole in the frame, has been before used.

I am also aware that sash-locks with inclined slot and spring adapted to the outside of the sash have been before known. I have combined the whole in a small tube, so that the case and bolt may be inserted, and the whole be as compact and strong and well concealed as in the old.

It will also be observed that, the bolt being locked in its withdrawn position, both hands are left free to raise or lower the sash.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The sash-lock consisting of the round case with its fin *e*, adapted to be inserted in a hole in the sash, the spiral or inclined slot *t* and notch *t'* therein, the bolt having pin *e*, the spring *s*, and the lever *b*, all constructed and arranged to operate as and for the purpose set forth.

GEORGE A. HARRIS.

Witnesses:

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