

W.F. Kells,  
Sash Lock.  
No. 107,691. Patented Sept. 27, 1870

fig. 1.

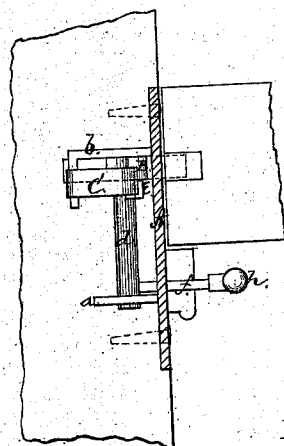


fig. 2.

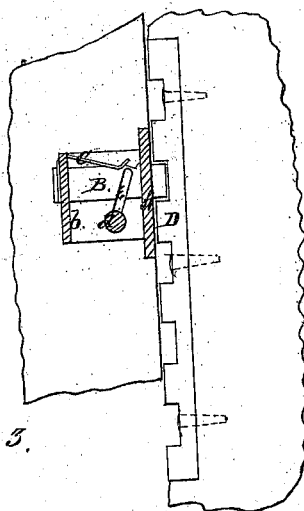
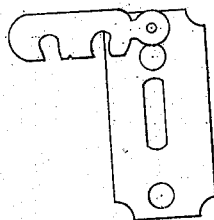


fig. 3.



fig. 4.



Witnesses:  
C. L. Coats  
A. H. May

Inventor.  
William F. Kells.  
per Alexander & Macon  
attys.

# United States Patent Office.

WILLIAM F. KELLS, OF SAN FRANCISCO, CALIFORNIA.

Letters Patent No. 107,691, dated September 27, 1870.

## IMPROVEMENT IN SASH-HOLDERS.

The Schedule referred to in these Letters Patent and making part of the same

### *To all whom it may concern :*

Be it known that I, WILLIAM F. KELLS, of San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Sash-Locks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a sash-lock, as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a horizontal section; and

Figure 2, a vertical section of my improved sash-lock;

Figure 3 is a side view of the key which operates the bolt of the lock;

Figure 4 represents a view of the escutcheon, provided with a dog, which secures the lock in its place.

A represents a plate, of any suitable dimensions, provided on its inner side with two ears, *a b*, standing at right angles with the plate.

The inner end of the ear *b* is bent at right angles, as shown in fig. 1, in the direction toward the ear *a*.

Through the end of the ear *b*, and through the plate, passes the bolt B, said bolt being located close to the main portion of the ear *b*, and its line of motion being at right angles with the plate A.

In the upper side of the bolt B, are two notches, as shown in fig. 2, in which the spring C, attached to the ear *b*, works in the same manner as a common door-bolt. I may dispense with this spring, and make the bolt plain, and in some cases I apply the spring C in front of the key-shaft.

In the under side of the bolt is a vertical slot, in

which the ward *g* works, said ward being attached to the shaft *d*, which has its bearings in the two ears *a b*, the ward and shaft together forming the key for operating the bolt.

From the shaft *d* an arm, *f*, passes outward, through a vertical slot in the plate A, and on its outer end is attached a knob, *h*.

The plate A, with its attachments, is inserted in a recess cut in the window-frame or casing, and in the edge of the sash is inserted a rack-bar, D, having the open spaces of such a size that the bolt B can readily pass into the same.

By raising the arm or lever *f*, the bolt B is drawn inward, and the sash can be raised or lowered at will, and by lowering the said arm *f*, the bolt is moved outward, holding the sash at any height desired.

This invention obviates the necessity of sash-cords, pulleys, and separate fastening.

This lock may be used on windows in houses, car-windows, steamboat-windows, or any place where sashes are to be raised and lowered.

When it is desired to secure the window in its place, the dog, which is pivoted to the escutcheon, is swung around, and grasps the shaft inside of the knob.

Having thus fully described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the bolt B and key *d e*, with its arm or lever, *f*, at right angles to it, all constructed as described, and arranged with the plate A and ears *a b*, and operating with the rack-bar D, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 10th day of September, 1870.

WM. F. KELLS.

Witnesses:

J. M. MASON,  
C. L. EVERT.