# A. C. Arnold,

## Sash Fastener.

No. 50,321. Patented Oct. 10, 1865.

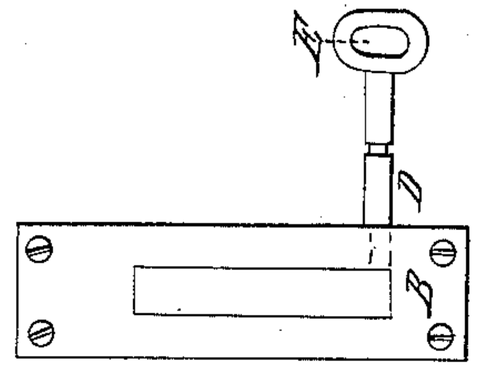

Fig. 4.

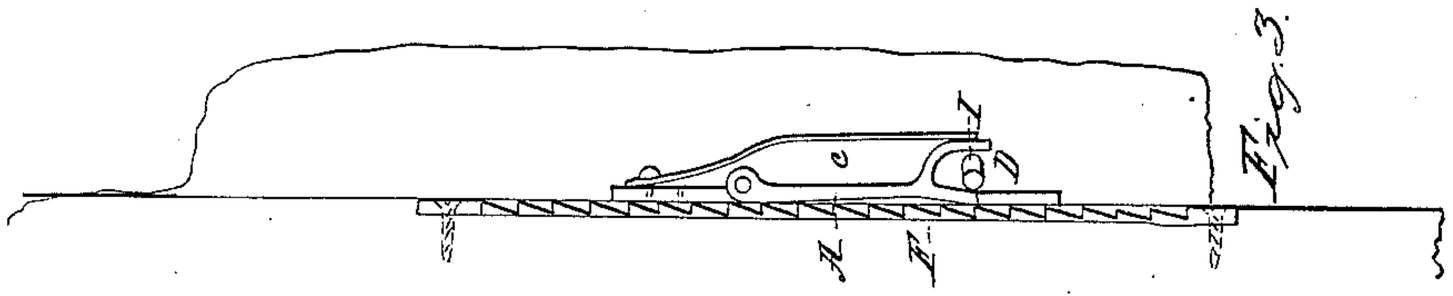

Fig. 3.

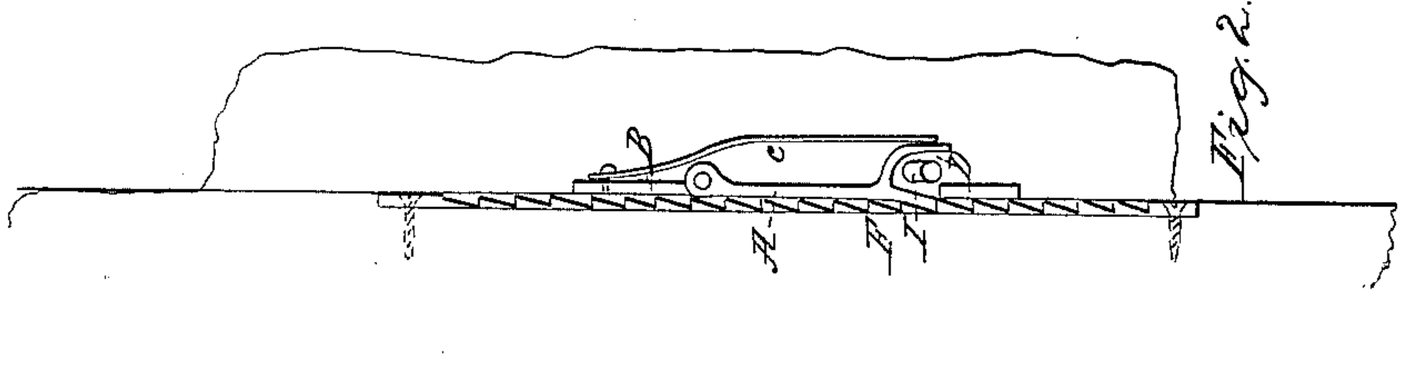

Fig. 2.

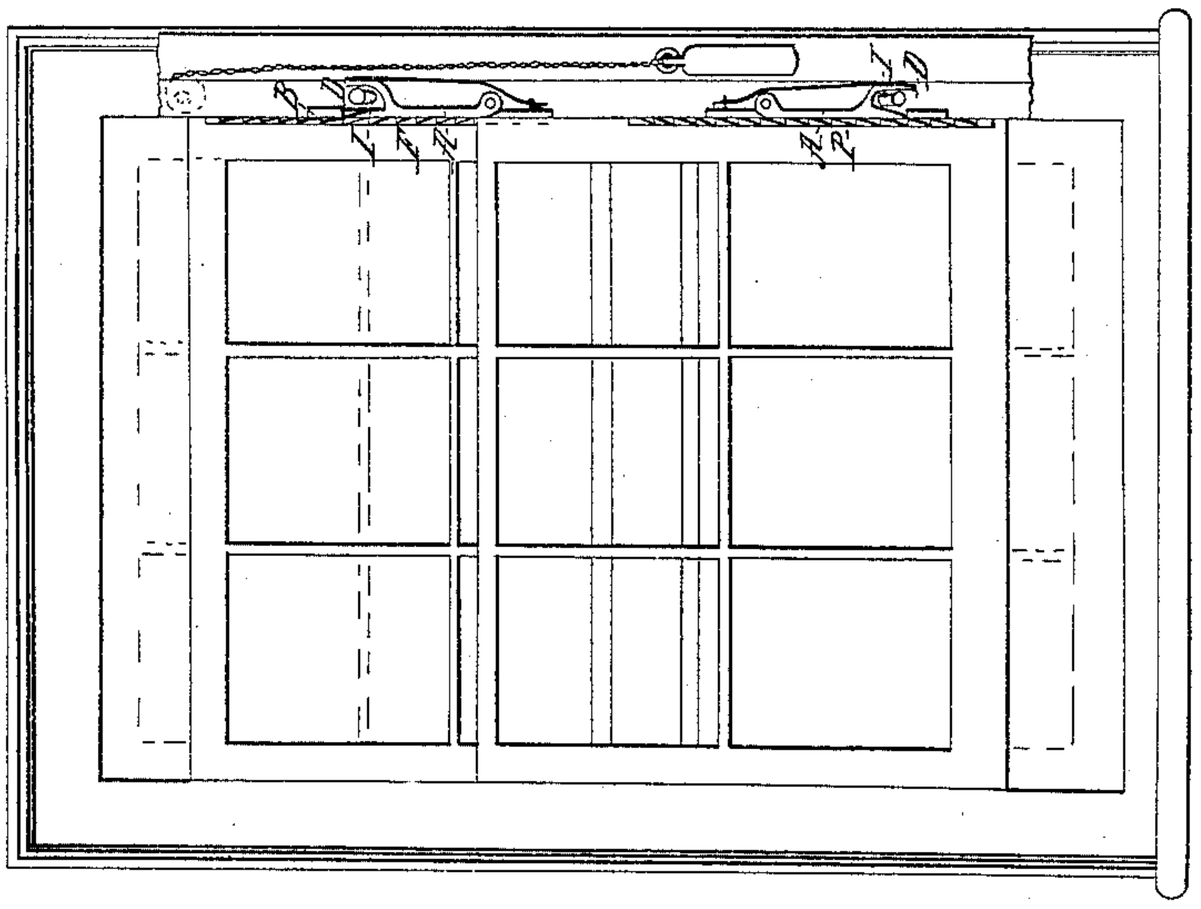

Fig. 1.

Witnesses:

Wm. Vine

Geo. Mann

Inventor:

Alonzo C. Arnold

# UNITED STATES PATENT OFFICE.

ALONZO C. ARNOLD, OF NORWALK, CONNECTICUT.

## WINDOW-SASH LOCK.

Specification forming part of Letters Patent No. **50,321**, dated October 10, 1865.

*To all whom it may concern:*

Be it known that I, ALONZO C. ARNOLD, of the town of Norwalk, county of Fairfield, and State of Connecticut, have invented a new and useful Improvement in the Mode of Constructing Window-Sash Locks; and I do hereby declare that the following is a correct description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the arrangement of a spring-catch and rack and key to prevent the sash from being raised or lowered.

To enable others skilled in the art to make and use my invention, I will proceed to describe the construction and operation.

In the drawings, Figure 1 is a view of a sash-frame with the sashes opened a small distance and a portion of the casing taken off to show the position of the locks when fixed for operation; Fig. 2, an enlarged view of the lock and rack as it appears when locked; Fig. 3, an enlarged view of the lock and rack as it appears when unlocked; Fig. 4, the face of the lock with the pin and key.

There are various ways of fastening and securing window-sashes.

My invention is a simple lock to prevent the sashes, when hung with weights and lines, being raised or lowered, except when allowed to do so by being unlocked by a key on the inside.

The drawings, Fig. 1, describe the mode of fixing on the lock and rack and the manner in which the spring pendant-catch enters the notch of the serrated rack on the edge of the sash. The lock is let into the side stile of the sash-frame flush with the face, and the pin E passes horizontally to the face of the inner lining of the frame, forming there a small key-hole for the insertion of the key E. (See Fig. 4.)

The lock is composed of the pendant-catch A, face-plate B, spring C, key-pin D, key E, and the serrated rack F. The rack F is let into the edge of each sash, as shown in the drawings. The notches of the rack of the lower sash being inverted will catch against the pendant A and prevent its being raised higher than a given space, (see Fig. 1,) until it is permitted to do so by means of the key E, which is to be inserted in the small hole in the lining of the frame on the square end of the pin D, and turn the projection I of the pin D against the back part of the space formed in the pendant-catch A, which will, when the said projection I on the pin E is in a horizontal position, (see Fig. 3,) keep it in its place, and the pendant will remain flush with the face of the frame and allow the sashes to rise and fall freely till the pin is again turned to allow the spring *c* to force the pendant A forward, as in Fig. 2. While the projection I is in a vertical position, as at Fig. 2, the catch will always remain in the notch of the rack and permit the sash to move only one way. The upper sash by the lock being reversed will operate in the same manner as the lower one—that is, it cannot be pulled down only the distance permitted by the lock.

This lock is intended principally for window-sashes that are hung with weights, not to support the sash, (for the weights will do that,) but to prevent the opening of the sash at all, either up or down, only such a distance as may be required for the admission of air, or other purposes, and prevent the possibility of any person or burglar moving the sash, either inside or out, in any case without the use of the key E, which can be taken out and deposited aside for private convenience, same as the door-key.

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

The construction and arrangement of a window-sash lock in the manner and for the purpose substantially as herein set forth and described.

ALONZO C. ARNOLD.

Witnesses:
WM. VINE,
GEO. MARVIN.