

H. A. HOLT.
Sash-Lock.

No. 213,821.

Patented April 1, 1879.

Fig. 1.

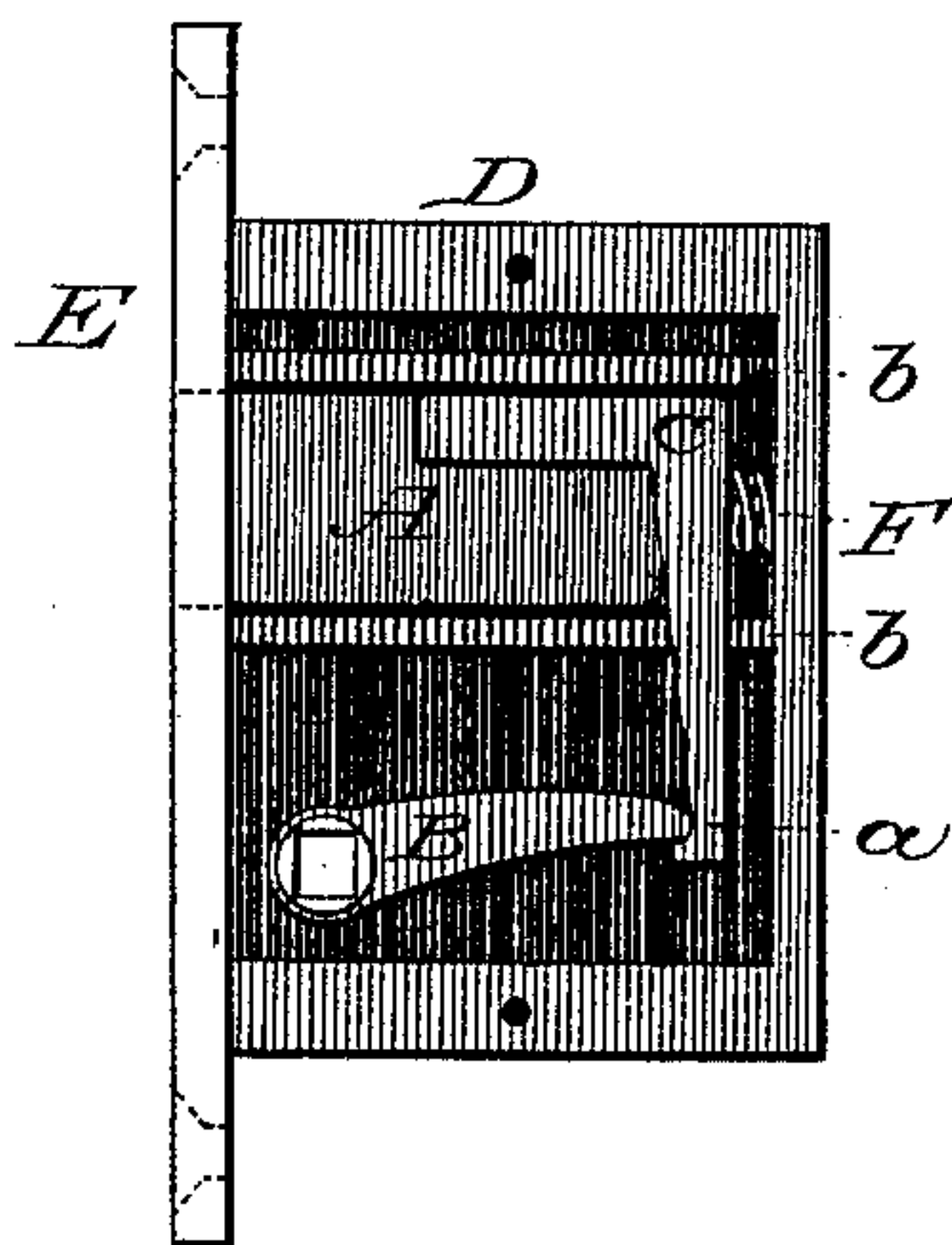
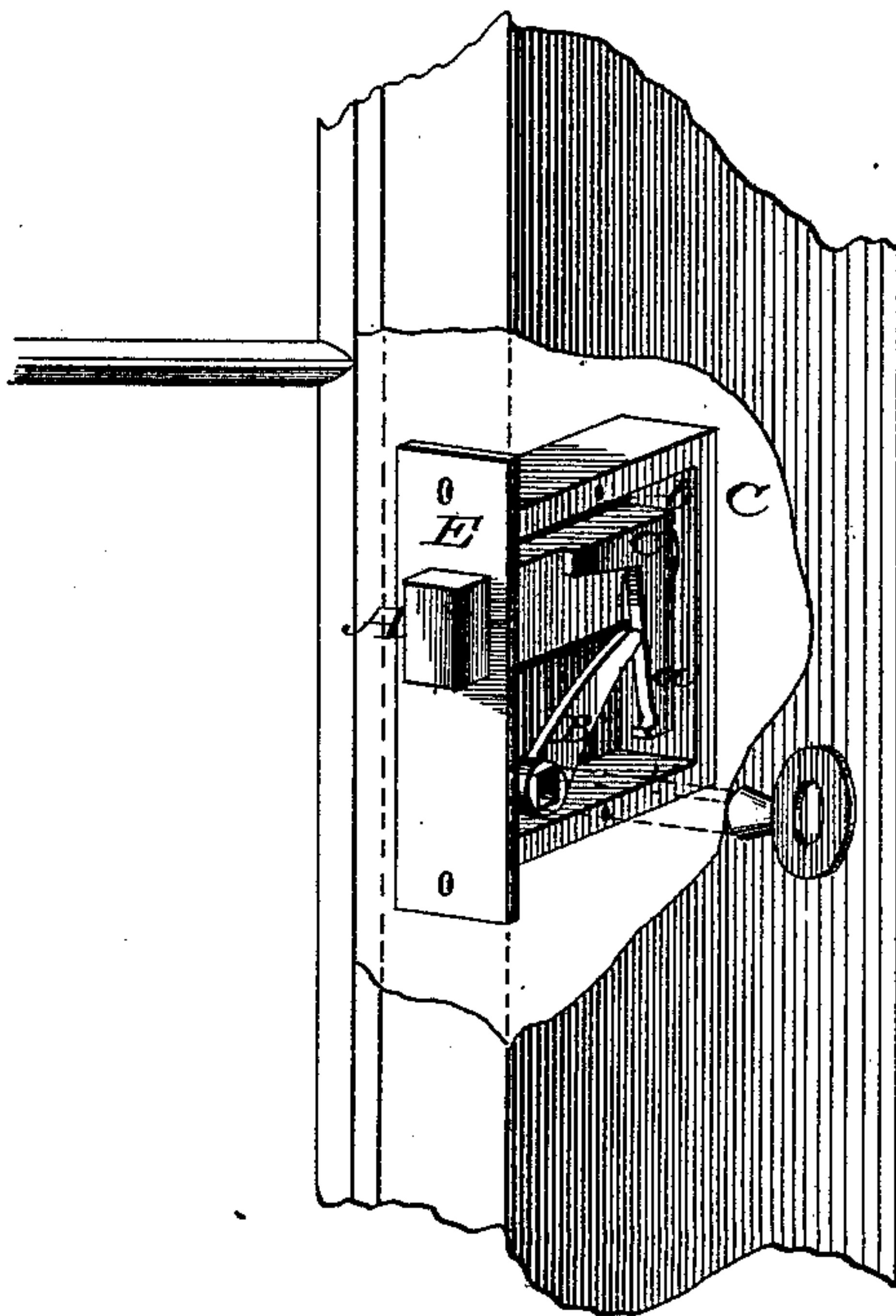


Fig. 2.



Witnesses:

S. N. Barsten
F. A. Hartshorn

Inventor:

Willard A. Holt

UNITED STATES PATENT OFFICE

HILAND A. HOLT, OF NASHUA, NEW HAMPSHIRE, ASSIGNOR TO JENNIE M. HOLT, OF SAME PLACE.

IMPROVEMENT IN SASH-LOCKS.

Specification forming part of Letters Patent No. **213,821**, dated April 1, 1879; application filed October 17, 1878.

To all whom it may concern:

Be it known that I, HILAND A. HOLT, of Nashua, New Hampshire, have invented an Improvement in Sash-Fasteners, of which the following is a specification.

This invention relates to that class of devices employed to hold and lock the movable sash of a window at any height; and it consists in certain novel combinations and features of construction, which I will describe, and particularly point out in the claims.

Referring to the drawings, Figure 1 is a view of the fastener invented by me, the plate being removed to show the parts. Fig. 2 is a view of the same as it appears set within the jamb of the window, the latter being partly broken away to show the arrangement.

A represents the bolt of my sash-lock, said bolt being operated by a dog, B, which acts upon a metallic flange or shoulder, C, which is cast upon the bolt A. Said piece C has a vertical arm, which depends below the bolt, and is provided with a notch or depression at its lower end, into which the dog B falls when the bolt is retracted, preventing the dog from slipping, and thus securely holding the bolt A in the position shown in Fig. 1.

The bolt A moves between two ribs, *b b*, which are cast within the casing of the lock, thus giving a solid bearing to the bolt, and affording great power of resistance to any strain which may be applied to the bolt. Said bolt is shot forward by a coil-spring, F, placed between its rear end and the back plate. The dog B is operated by an ordinary square key, which may be inserted through an aperture formed in the jamb of the window, and which may, for convenience, be left in the lock, or, if safety requires, entirely removed.

It will be noticed that by the arrangement of the parts the dog B, when the bolt is withdrawn, falls into the notch in the end of the arm C, thus bringing said dog into a nearly

horizontal position. When so placed it is impossible that the bolt shoot forward until the dog is raised out of the notch, when the power of the spring will shoot the bolt.

The simplicity of the arrangement and the small number of parts composing the lock render this device serviceable and important, since it is almost impossible for it to get out of order, while it will wear for a great length of time and still operate with unimpaired accuracy and ease. Moreover, its simplicity renders it possible to manufacture this lock at a very low price.

It is evident that the fastener may be placed in the sash instead of in the jamb, the only objection thereto being that the key must be removed from the lock in the upper sash whenever the lower sash is raised.

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

1. In a sash-fastener, the casing D, having the ways *b b* cast thereon to receive and guide the bolt, in combination with the bolt A, the flange C, cast thereon, the spring F, and dog B, whereby additional support is given to the bolt, and when retracted it is held back by the dog, as set forth.

2. The spring-bolt A, sliding in ways *b b*, and having flange *c*, provided with notch *a*, cast thereon, in combination with the dog B, substantially as described.

3. As a new article of manufacture, the sash-fastener consisting of the face-plate E, casing D, bolt A, flange C, and dog B, the latter being arranged to act upon the vertical arm of flange C, so that when the bolt is withdrawn the dog will be horizontal, or nearly so, and thus lock the bolt in its retracted position, as set forth.

HILAND A. HOLT.

Witnesses:

S. N. BARKER,
F. A. HARTSHORN.