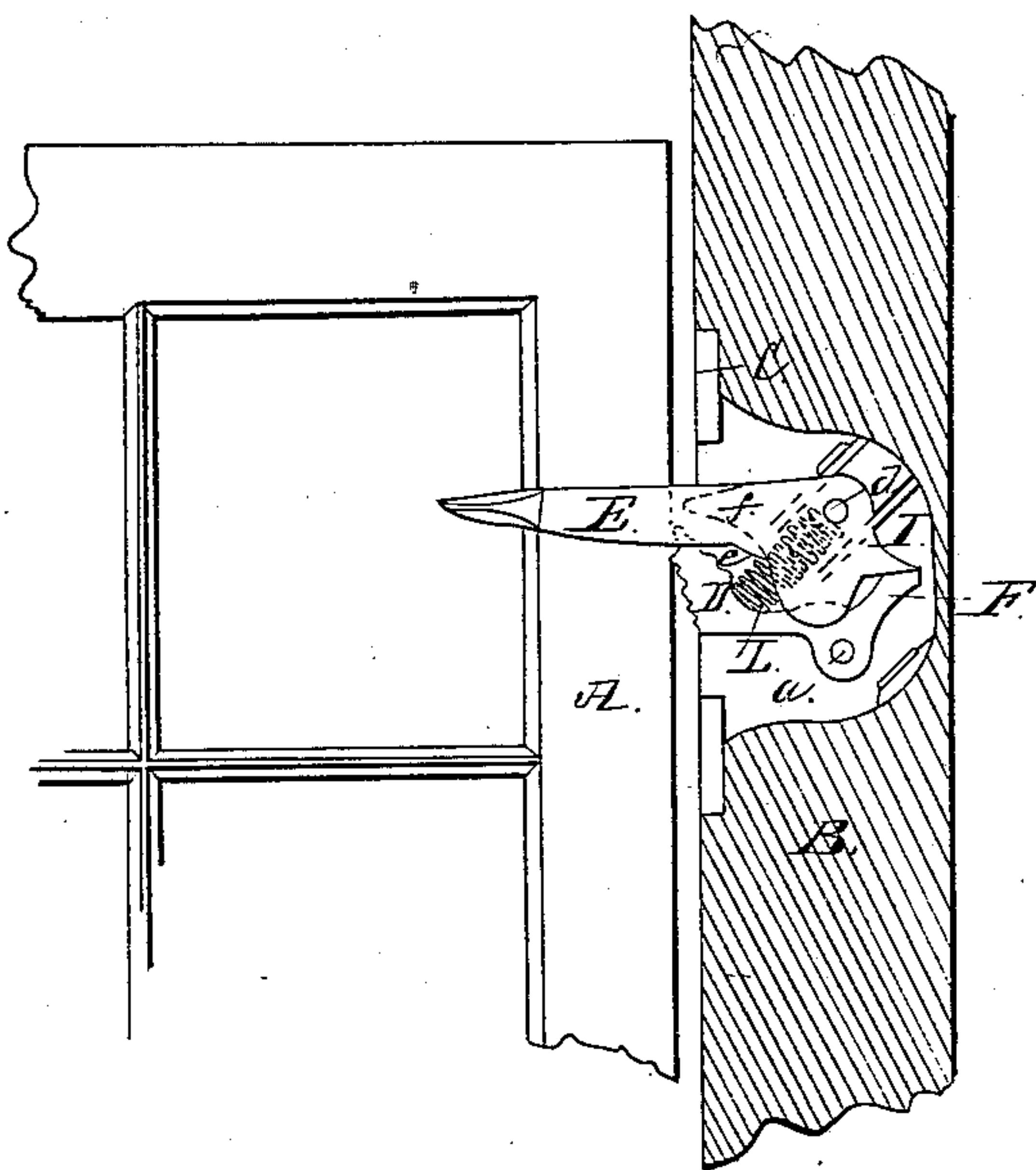


*B. Beach,*  
*Saph Holder.*

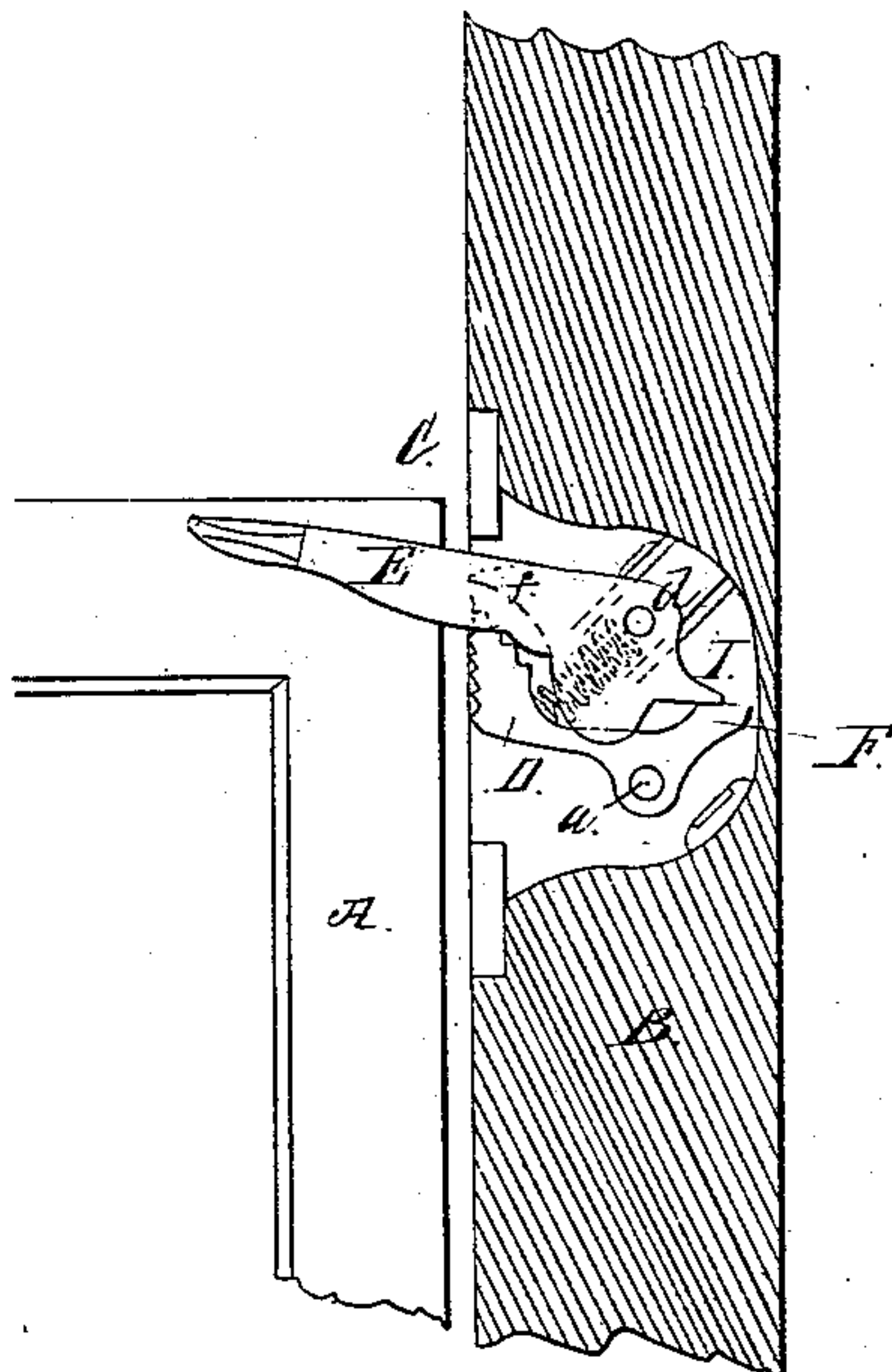
*N<sup>o</sup> 61,505.*

*Patented Jan. 29, 1867.*

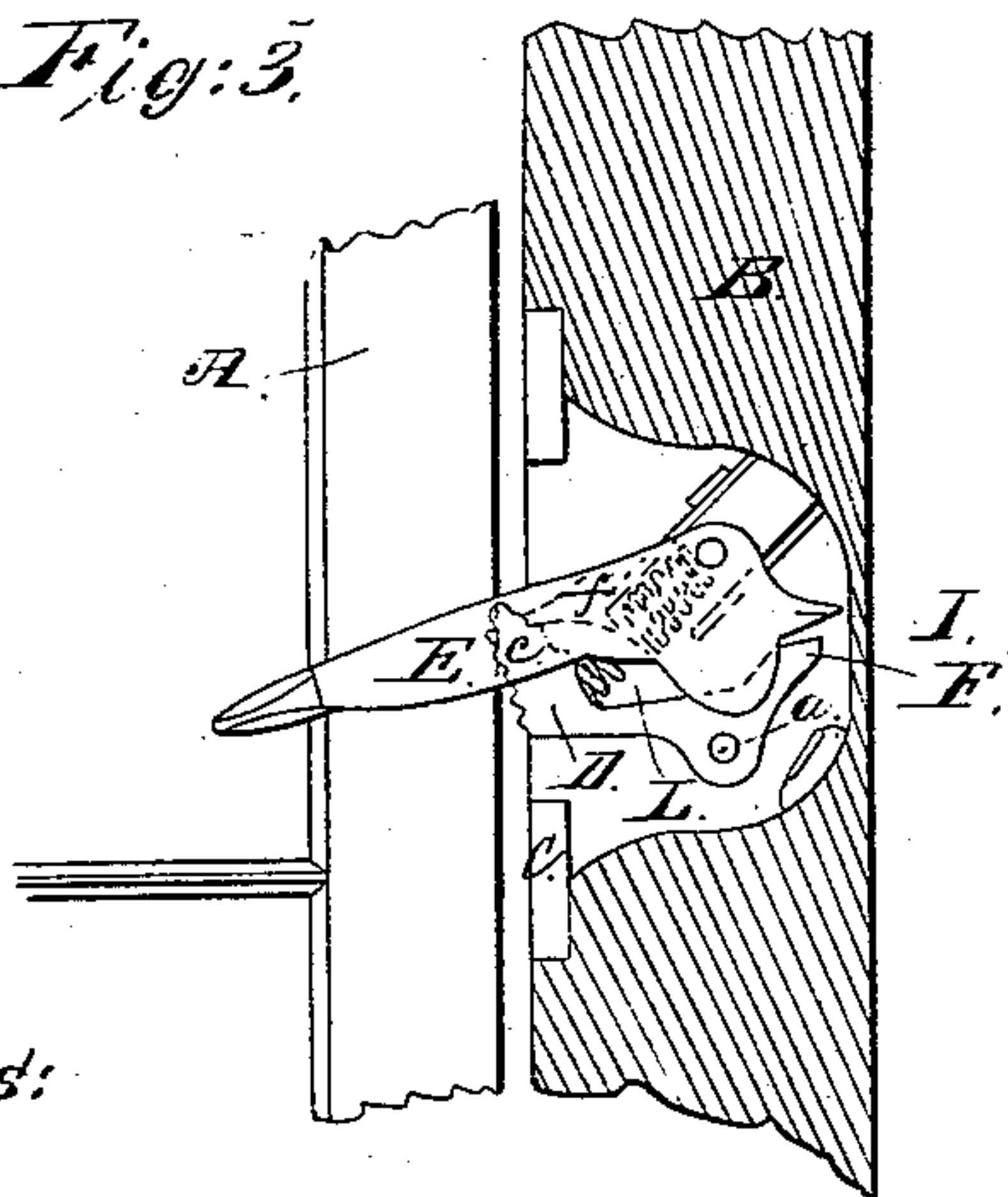
*Fig: 1.*



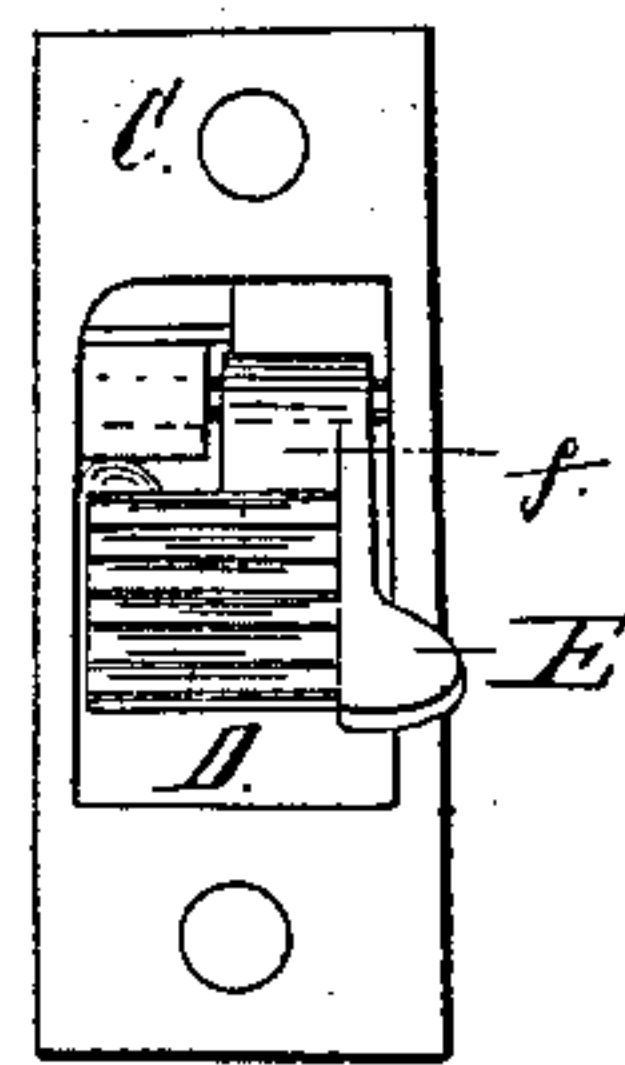
*Fig: 2.*



*Fig: 3.*



*Fig: 4.*



*Witnesses:*

*John A. Shumway*  
*A. J. Tibbits*

*Inventor:*

*Barnabas Beach*  
*By his atty*  
*John E. Eddy*

# United States Patent Office.

BURROUGHS BEACH, OF WEST MERIDEN, CONNECTICUT.

*Letters Patent No. 61,505, dated January 29, 1867.*

## IMPROVED SASH FASTENER.

*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, BURROUGHS BEACH, of West Meriden, in the county of New Haven, and State of Connecticut, have invented a new improvement in Window Spring; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figures 1, 2, and 3, a side view, one of the plates removed to show the mechanism and its operation; and in Figure 4, an edge view.

This invention relates to a spring or catch set into the jamb of the window frame, to sustain and lock the sash in any desired position, and consists in the peculiar manner of operating the cam, and also in an arrangement for locking the cam, when the sash is in any desired position, so that it cannot be moved up or down.

To enable others to construct and use my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the sash; B, the jamb of the frame, of common construction; C, the face-plate of the case which contains the mechanism; D, the cam, pivoted in the case at *a*; E, the operating lever, also pivoted in the case at *d*. The face of the cam D is serrated, (as see figs. 1 and 4,) and its inner end extended beyond the bearing to form a lever, F, and the lever E protrudes through the case and frame, so as to form a handle by which to operate the cam. Its inner end is extended beyond the fulcrum *d*, to force the shorter arm I of the lever to bear upon the arm F of the cam, as seen in fig. 1. A spiral spring, L, arranged within the case, tends to press the cam downward, as in fig. 1, but not so as to create great resistance to the raising of the sash, but so that the sash may be freely raised, and yet so that when the power which raised the sash is removed the face of the cam bearing against the sash, and its position relative to the fulcrum *a*, is such as to prevent the descent of the sash. To lower the sash, raise the lever E, as denoted in fig. 2; the arm I of the lever bears upon the arm F of the cam, and raises the cam from the position in fig. 1 to that in fig. 2; and when the sash is lowered to the desired position, release the lever E, and the cam will spring down against and retain the sash in that position. To lock the cam in any desired position, I form notches, *c*, upon its back side, as seen in figs. 1, 2, and 3, and upon the side of the lever E I form a lip or projection, *f*, denoted in broken lines, and so that when the sash is in the position to be locked, press the lever E down, as denoted in fig. 3, to force the lip *f* into either of the notches *c*, and while in that position, as seen in fig. 3, the cam cannot be moved, and consequently the sash is held firmly in that position. The cam is provided with several notches *c* to adjust itself to more or less play between the sash and the jamb.

I do not broadly claim a cam arranged to retain the sash in any desired position, and so that the sash may be raised without operating upon the cam, as such is common and well known; but having thus fully described my invention, what I do claim as new and useful, and desire to secure by Letters Patent, is—

1. The combination of the lever E and the cam D, constructed respectively with arms I and F, and so as to operate substantially in the manner described.

2. I claim the combination of the lever E and cam D, when constructed with the lip *f* and the notches *c*, so as to operate to lock the cam, substantially in the manner described.

BURROUGHS BEACH.

Witnesses:

JOHN H. SHUMWAY,  
ALTSIE J. TIBBITS.