

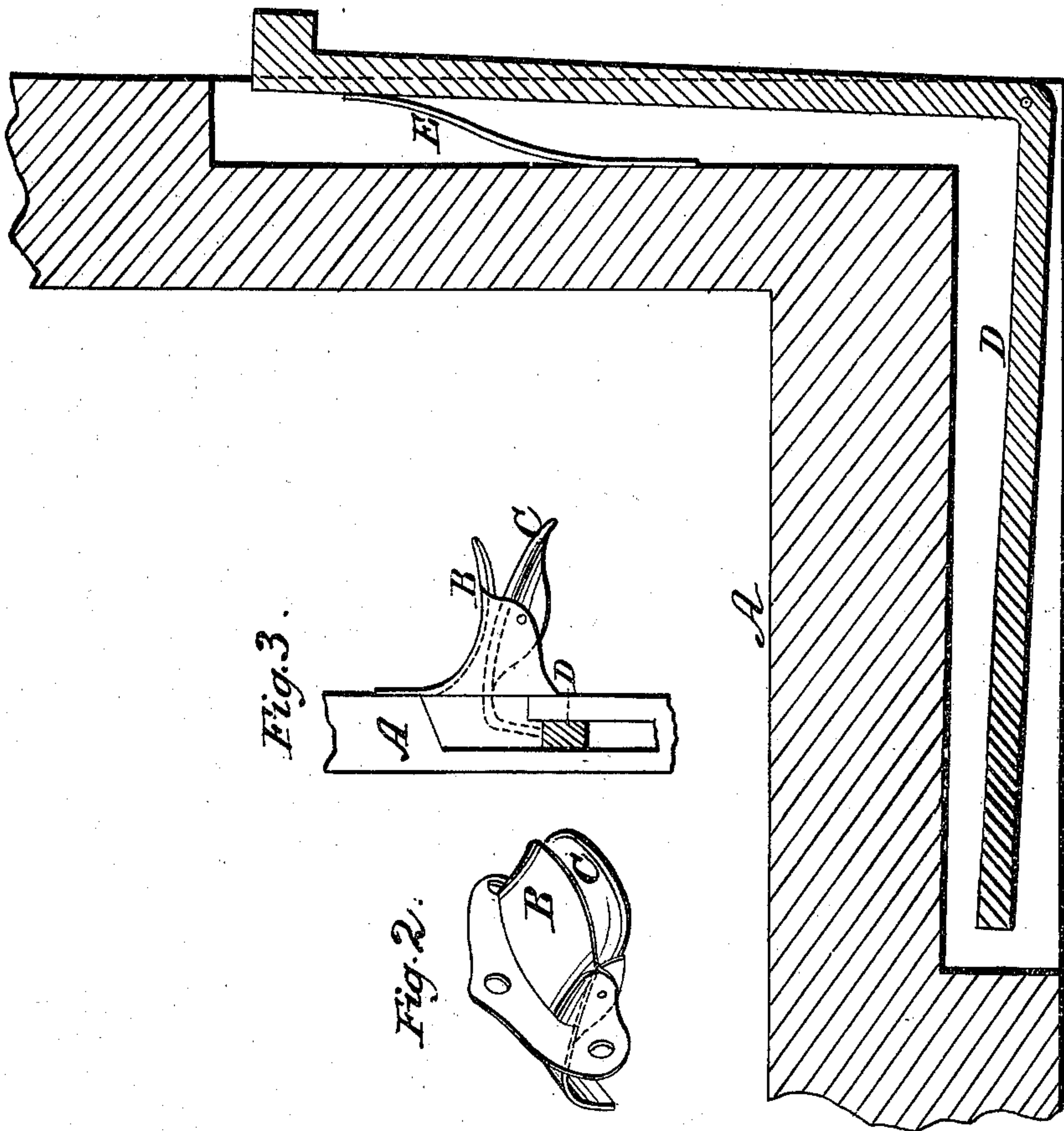
*J. L. Devol*

*Sash Fastener.*

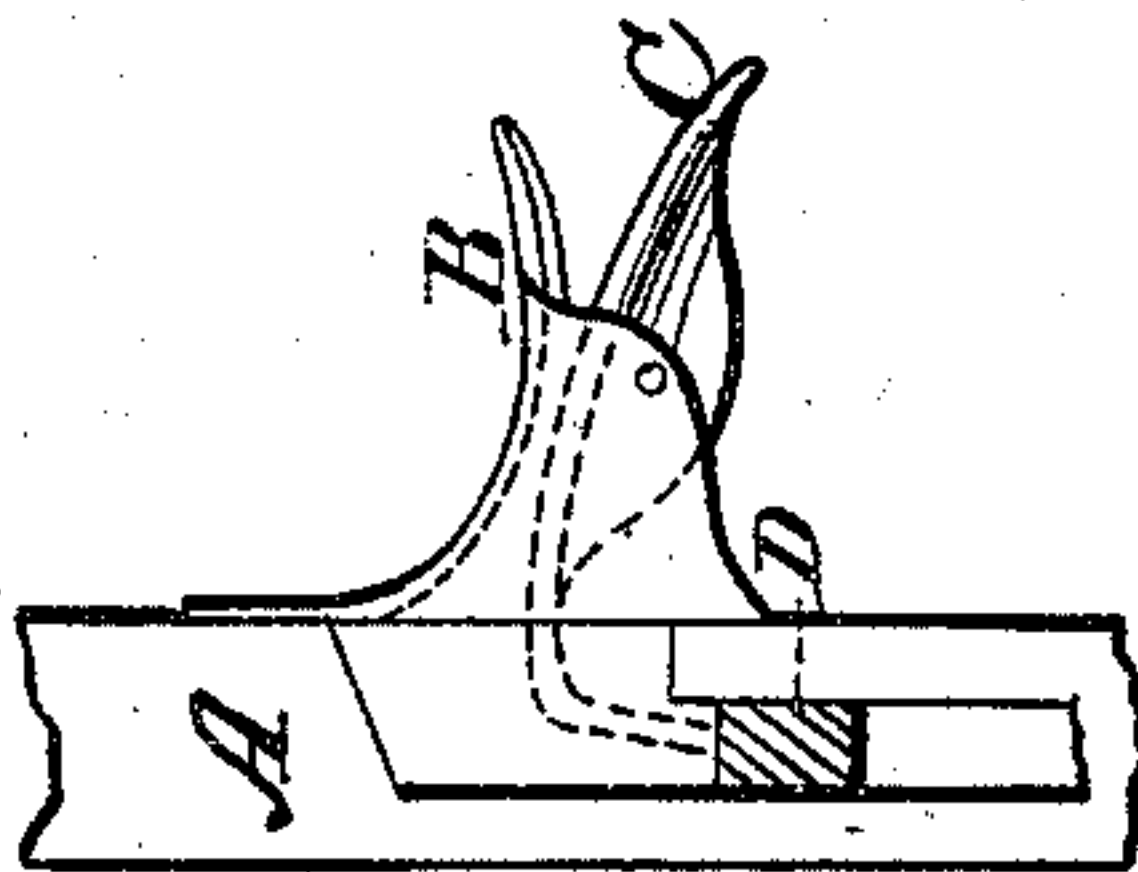
*N<sup>o</sup> 89,975.*

*Patented May 11, 1869.*

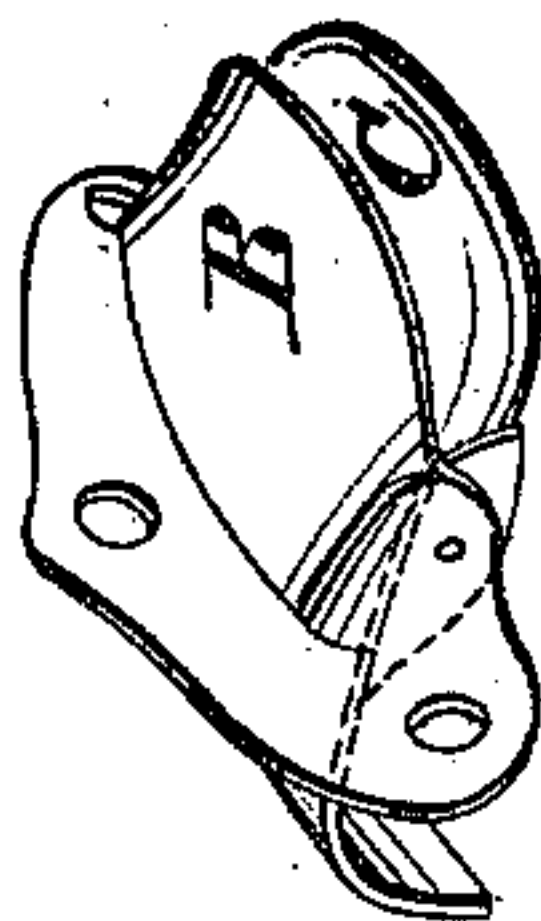
*Fig. 4.*



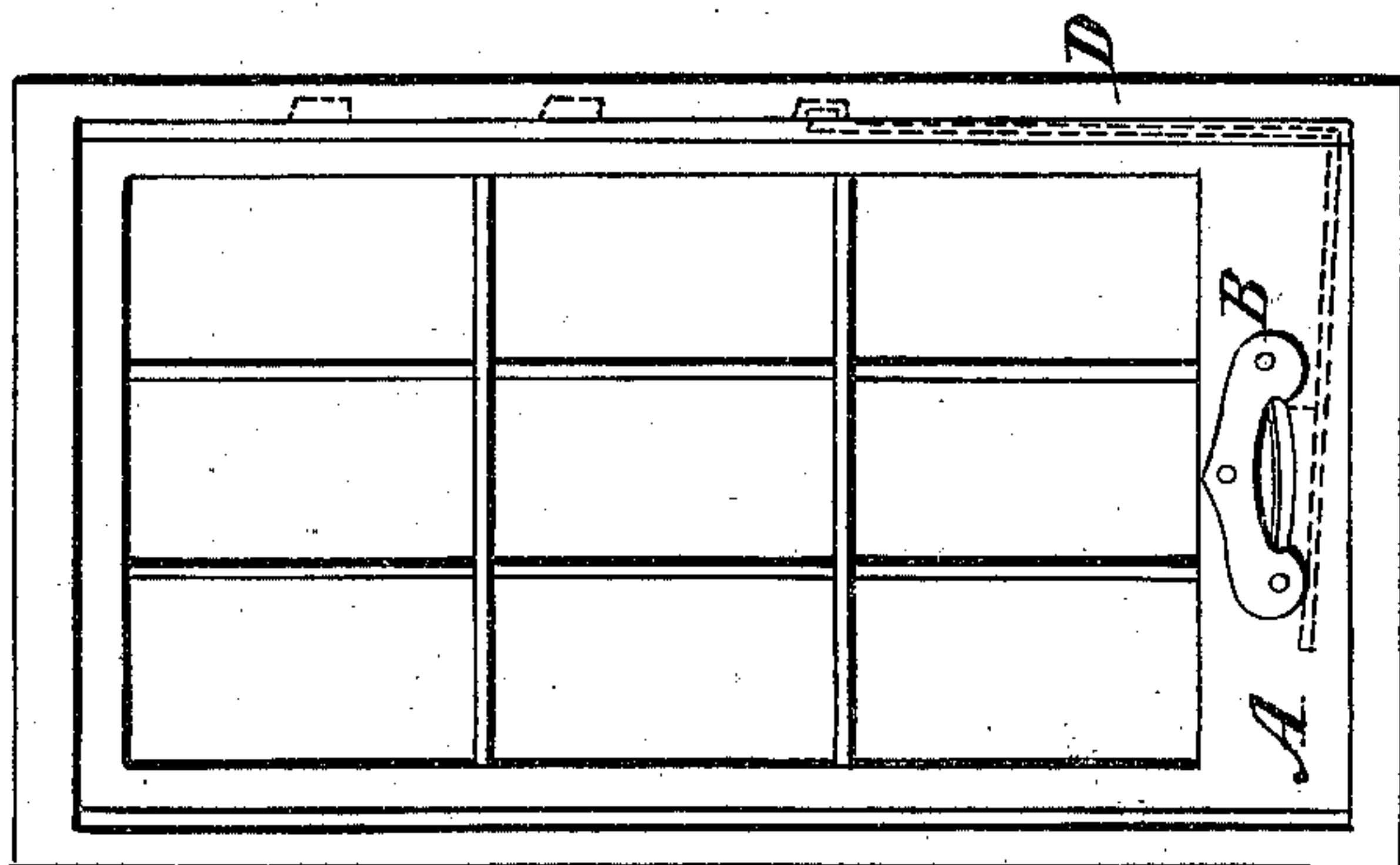
*Fig. 3.*



*Fig. 2.*



*Fig. 1.*



*Witnesses.*

*A. Ruppert.*  
*Ch. Clausen*

*Inventor.*  
*J. L. Devol*  
*D. P. Holloway, Jr.*  
*Att'y*



# United States Patent Office.

JONATHAN L. DEVOL, OF PARKERSBURG, WEST VIRGINIA.

*Letters Patent No. 89,975, dated May 11, 1869.*

## IMPROVEMENT IN 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, JONATHAN L. DEVOL, of Parkersburg, in the county of Wood, and State of West Virginia, have invented a new and useful Improvement in Sash-Fasteners; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a vertical elevation of a window, showing my improvement applied thereto, the dotted lines showing the lever or catch for securing the sash in the desired position;

Figure 2 is a perspective view of the handle, by which the sash is to be raised, and of the lever for withdrawing the dog or catch;

Figure 3 is a transverse section of the same, showing its attachment to the bar of the sash; and

Figure 4 is an elevation of a portion of the sash, and of the dog or catch, with the spring, or catch, which acts upon the same, shown on an enlarged scale.

Corresponding letters refer to corresponding parts in all the figures.

This invention relates to improvements in window-sash fasteners; and

It consists in the combination of the parts of which it is composed, and in the construction of the lever for operating the device, as will be more fully described hereafter.

A, in the drawings, represents the sash of a window, which may be of any desired size and form of construction, to meet the requirements of the architect.

B represents what may be termed a sash-lifter or raiser, which may be made of sheet or cast-metal.

When it is made of the first-mentioned kind, it may be stamped or cut from the sheet, and swaged or formed in a die, prepared for the purpose. It should have a flange projecting from its upper surface, for a distance sufficiently great to admit of there being screw-holes drilled therein for securing it to the bar of the sash. It also has downwardly-projecting flanges upon its ends, to which the lever C is pivoted.

C represents a lever or handle, which is so formed as to fit the cavity formed in the under side of the lifter, but which passes beyond the inner surface of such lifter, to enable it to act upon the bell-crank lever or stop D, as shown clearly in fig. 3 of the drawings.

This lever or handle is pivoted to the flanges which are formed upon the ends of the lifter, in such a manner that when the latter is grasped by the hand, for the purpose of raising the sash, the outer end thereof will be raised, and, of course, the inner end will be depressed, and be caused to bear upon the horizontal arm of the bell-crank lever D, which will cause the projection upon its vertical portion to be withdrawn from its recess in the frame of the window or its casing, and the sash will be at liberty to rise or fall, at the will of the operator.

D represents a bell-crank lever, which is to be pivoted at its angle to the sash, into a groove in which it fits, as clearly shown in fig. 4, in which figure it is shown as in a position to secure the sash in its position, whether raised or lowered.

E represents a spring, which is to be inserted into the groove, which is formed in the sash for the reception of lever D, in such a manner as to bear upon the inside of such lever, and thus, at the proper time, to force it into the position shown in fig. 4 of the drawings.

Having thus described my invention,

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

The construction of the handle B and lever C, and their arrangement with reference to the bell-crank lever D, substantially as shown and described.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

J. L. DEVOL.

Witnesses:

BARNA. POWELL,  
JULIUS HOERTEL.