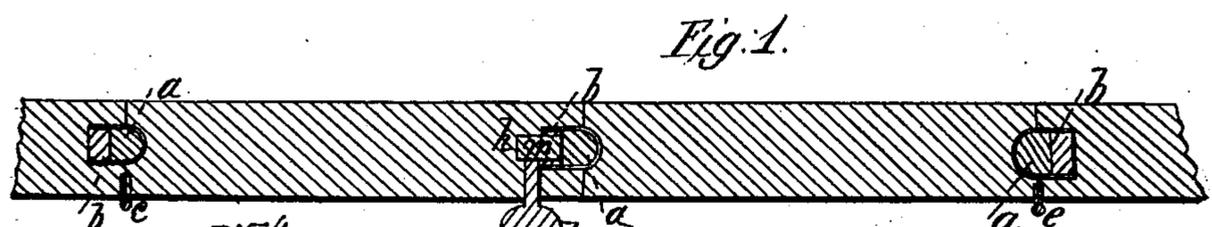
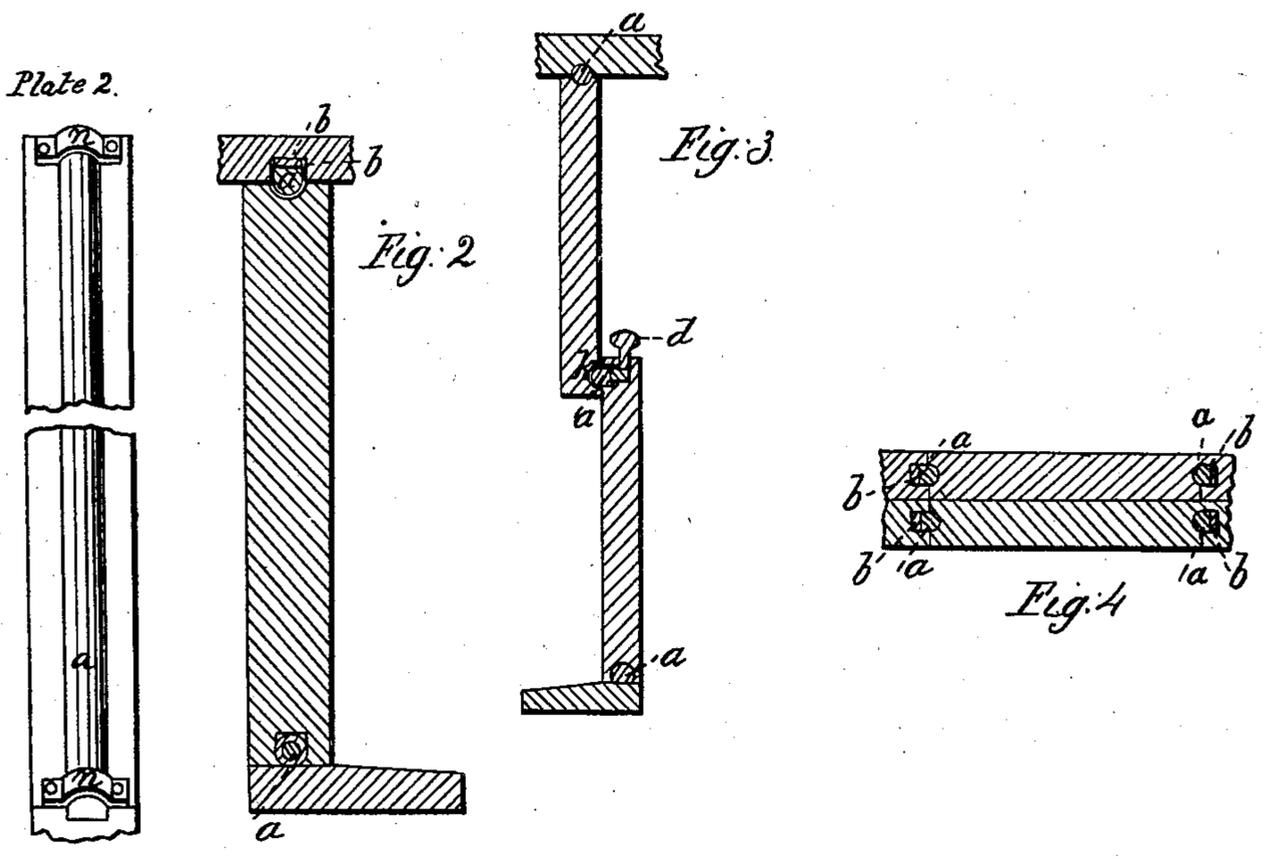


D. CONLON.
DOOR TIGHTENER AND FASTENER.



Witnesses;
 Henry C. Houston
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 Davis Conlon
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United States Patent Office.

DENNIS CONLON, OF PORTLAND, MAINE.

Letters Patent No. 85,729, dated January 12, 1869.

IMPROVEMENT IN DOOR-TIGHTENER AND 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, DENNIS CONLON, of Portland, in the county of Cumberland, and State of Maine, have invented a new and useful Improved Door and Window-Tightener and Fastener; and I hereby declare the following to be a full, clear, and exact description thereof, which will enable others to make and use my invention, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a section of a double door, taken through the middle of the same, so as to show the knob *d*.

Figure 2, an edge view of a door.

Figure 3, a section of a window-sash.

Figure 4, a top view of the upper and lower sash.

Plate 2 shows a view of the jamb of a door, having my improvement attached thereto.

The purpose of my invention is to provide a combined window and door-fastener and tightener.

It consists of the application, to a window or door, of a rod or rods, having a spring or springs, said rods and springs being applied either to the jamb, or the door or window itself.

A particular reference to the drawing will show my invention.

a are the rods, in fig. 1 set into both the jamb of the door and the edge of the door, at the point where the two doors come together; in fig. 2, at the top and bottom of the door; in fig. 3, at the top and bottom of the windows, and where the two sashes overlap; and in fig. 4, at the sides of the sash, in the jamb of the window.

In fig. 4 the sash is grooved, so as to allow the rod to sink into said groove.

b, in all the figures, is the spring. This may be made either of rubber or metal.

The rods and springs in fig. 4 serve to keep tight the joints of the window, and to hold the sash at any point when raised, the spring *b* pressing toward the sash continually.

In fig. 1, when the doors turn on the hinges *e* to shut, the rod *a* fits into a recess in the edge of the door, and thus makes the joint tight, the spring pressing the rod towards the edge of the door.

I also contemplate using my improvement for a fastening for windows and doors.

This is shown at *h* and *k* as follows, viz:

To the shank of the door-knob *d*, I attach a cam, *m*, which, when turned as seen in fig. 1, throws the spring-rod *a* out into the recess made in the other door, (or in the jamb it would be the same,) and there holds it, preventing the door from being drawn open, by the rod *a* pressing backwardly upon the spring *b*, and thus disengaging itself from the recess made for it.

Thus the door can be both tightened and fastened by my improvement.

At *k* the same principle is shown applied to a window-fastener, where the two sashes overlap, the cam and knob operating to throw out the horizontal spring-rod *a* in a similar manner.

d' shows the knob in fig. 3.

The patent of O. C. Hills for attaching a strip to windows, No. 42,393, dated April 19, 1864, differs from mine. This has a stirrup in the groove, and sunk sufficiently deeper than the groove to hold a spiral spring.

I secure my strip by a clamp fitting over the same, as seen in the drawing, plate 2.

J. R. Hall's patent, No. 71,745, has a spring-lever catch and an eccentric-roller.

I employ a knob or handle to draw back or force out, if desired, the rod, the spring keeping the rod pressed outwardly, and the clamp confining the same, and conforming in shape to the shape of the rod.

I do not claim the devices of either of said patents.

n n show the clamps projecting from the edge of the door, or from the jamb.

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

The combination of rod *a*, spring *b*, clamps *n n*, operated by knob *d*, having cams *m* applied to the jamb of doors or windows, in the manner herein set forth.

DENNIS CONLON.

Witnesses:

WM. FRANK SEAVEY,

W. H. CLIFFORD.