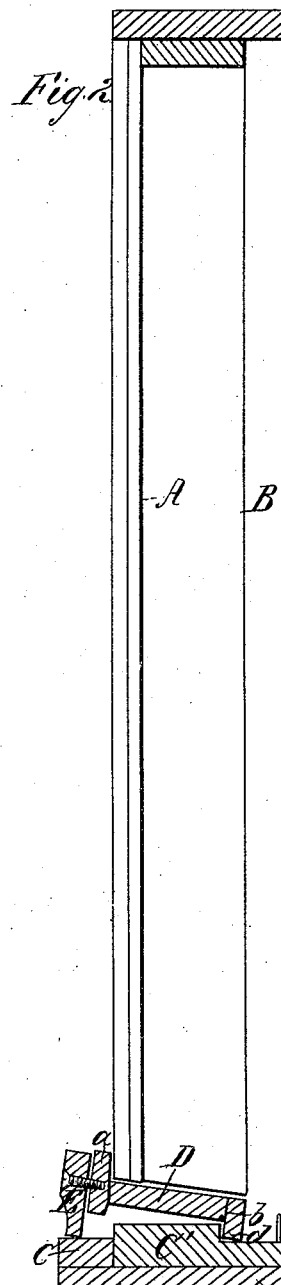
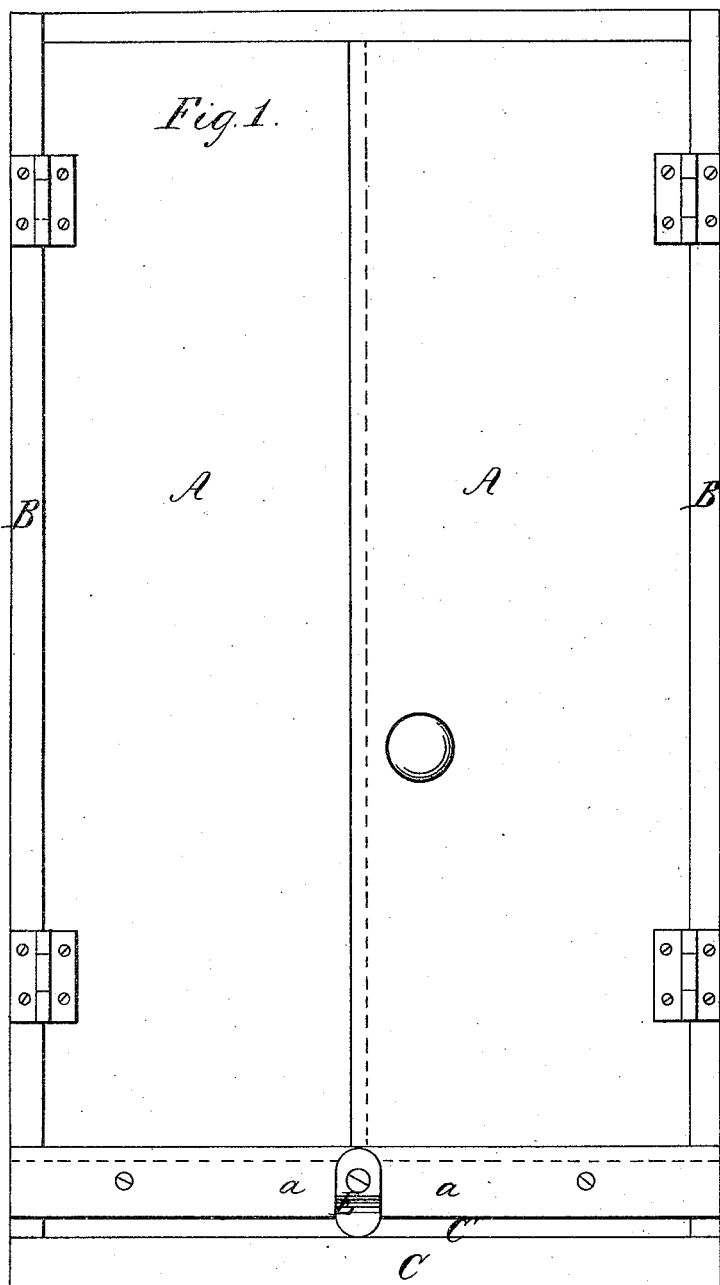


*E.C. Evans,*

*Threshold.*

*No. 53,130.*

*Patented Mar. 13, 1866.*



Witnesses;  
*J. H. B. Bonington*  
*Wm. Frewin*

Inventor; *c*  
*E. C. Evans*  
Per. *Wm. H. C. Attorneys*

# UNITED STATES PATENT OFFICE.

EDMUND C. EVANS, OF CABINET, PENNSYLVANIA.

## IMPROVED WEATHER-STRIP.

Specification forming part of Letters Patent No. 53,130, dated March 13, 1866.

*To all whom it may concern:*

Be it known that I, EDMUND C. EVANS, of Cabinet, in the county of Montgomery and State of Pennsylvania, have invented a new and Improved Weather-Strip for Doors and Casement-Windows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of my invention, showing its application to a pair of double doors or casement-windows. Fig. 2 is a longitudinal vertical section on the plane of the line *x x*, Fig. 1.

Similar letters indicate like parts in both figures.

My invention consists in the combination, with the permanent sill of a window or door, of a movable sill, the latter constructed and adapted to the former in such manner that a rabbet or shoulder on its inner edge can be thrown up across the crack under the door or window and a rabbet on its outer edge pressed down on the permanent sill and its rabbet, and effectually exclude the cold air and rain.

A A designate a pair of folding doors set in a suitable casing, B, which are illustrated to show the application of my invention.

C designates the permanent sill of a doorway, on the top of which there is secured a strip, C', in such manner as to form a rabbet, *d*, on the outer part of the sill, for the purpose soon to be described.

D is the movable sill, which is somewhat similar to the letter I in shape, as shown in Fig. 2—that is to say, the movable sill D, as a whole, is formed by securing a rabbet, *b*, to the outer edge of D, of a shape which will permit of its lying in the rabbet *d* and pressing

downward against the permanent sill C and outer edge of the strip C', so as to prevent the entrance of the cold air, &c., under the weather-strip D, or between it and the permanent sill, and where it can be secured by staples or otherwise, if desired, as long as the strip can be moved up and down, and tightly close the cracks above and below the weather-strip; and across the inner edge of the strip D there is secured a rabbet, *a*, which is to be thrown up across the crack of the door, and thus prevent the entrance of the cold air, &c., over the weather-strip.

E is a cam-shaped button, secured to the rabbet *a*, and so arranged that on turning it it will raise the weather-strips D so as to throw its rabbet *a* directly over the crack of the door, at the same time pressing down its outer edge with rabbet *b* against the permanent sill and rabbet *d*, as shown in Fig. 1, and this effectually closes up the same against the entrance of snow and rain or cold air. Instead of the button, a hook or bolt, or some other suitable device, can be used for holding the weather-strip in the desired position.

This device not only serves the purpose of a weather-strip, but when applied to doors opening inward serves as a lock or brace to prevent the doors being opened from the outside.

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

The movable sill or weather-strip D, provided with the rabbets *a* and *b*, in combination with the strips C' on the permanent sill C, or with a permanent sill having a rabbet, *d*, substantially as specified.

EDMUND C. EVANS.

Witnesses:

JAMES J. B. OGLE,  
W. OGLE.