

A. J. Deroe,

Weather Strip.

No. 86,975.

Patented Feb 16. 1869.

Fig. 1.

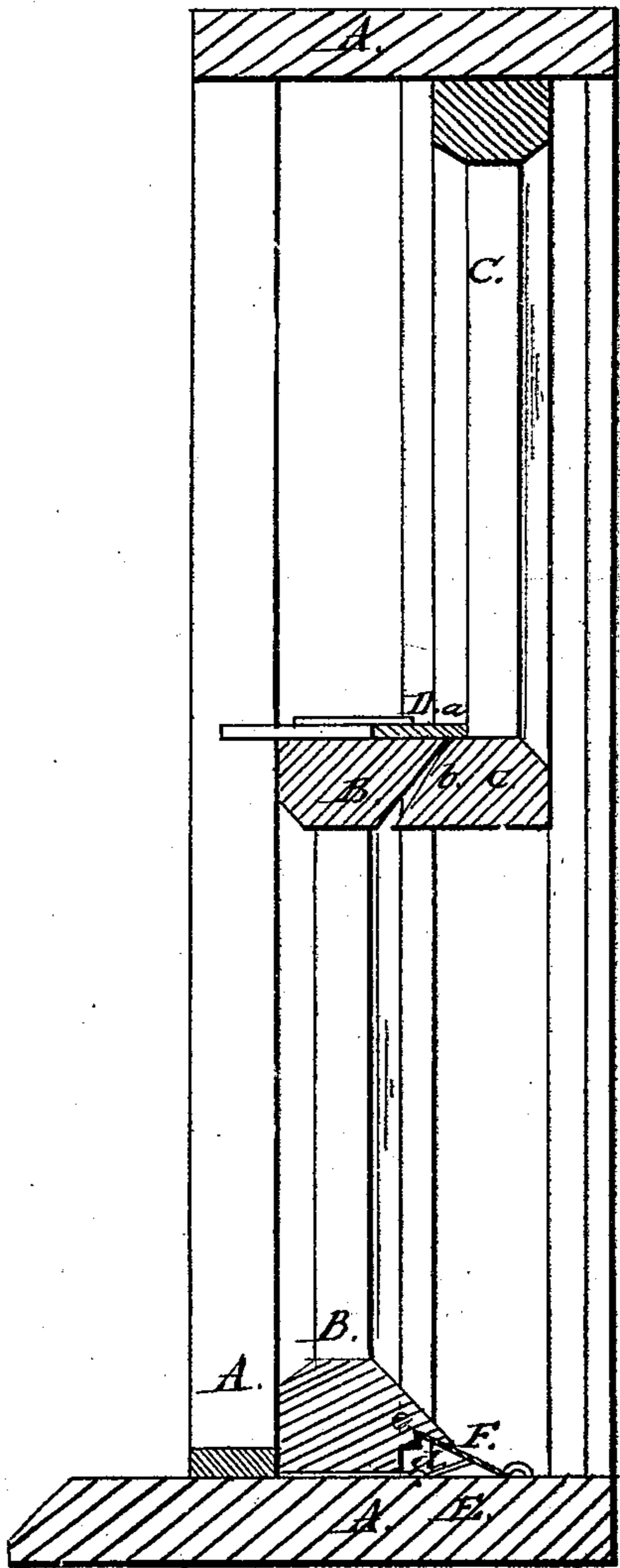


Fig. 2.

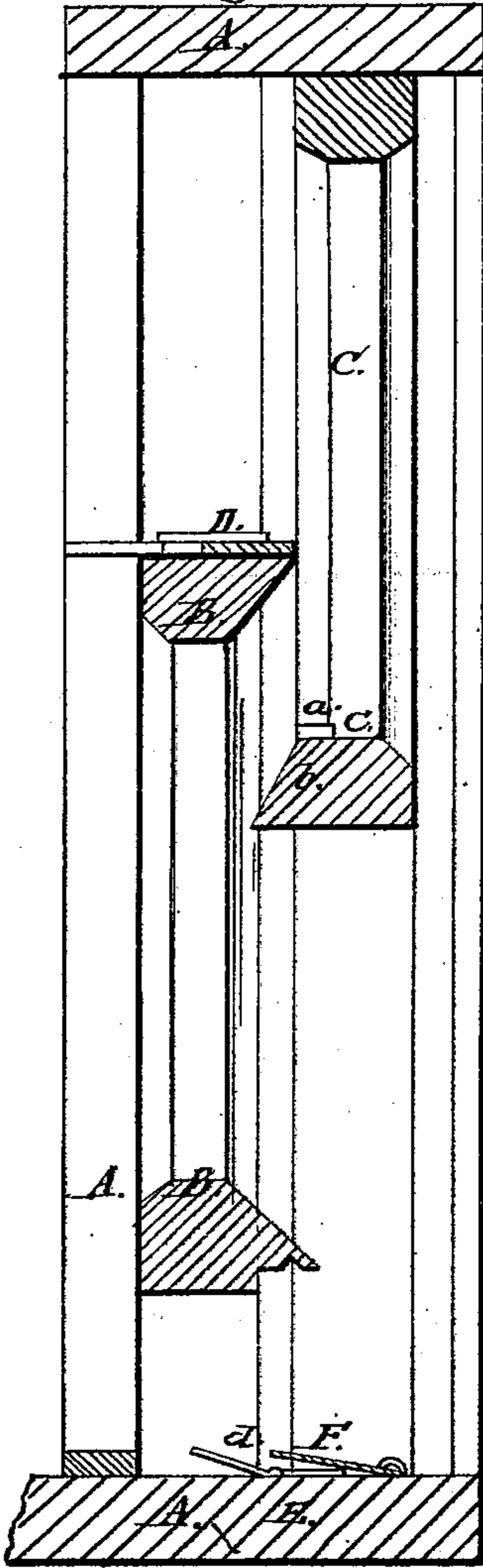


Fig. 3.

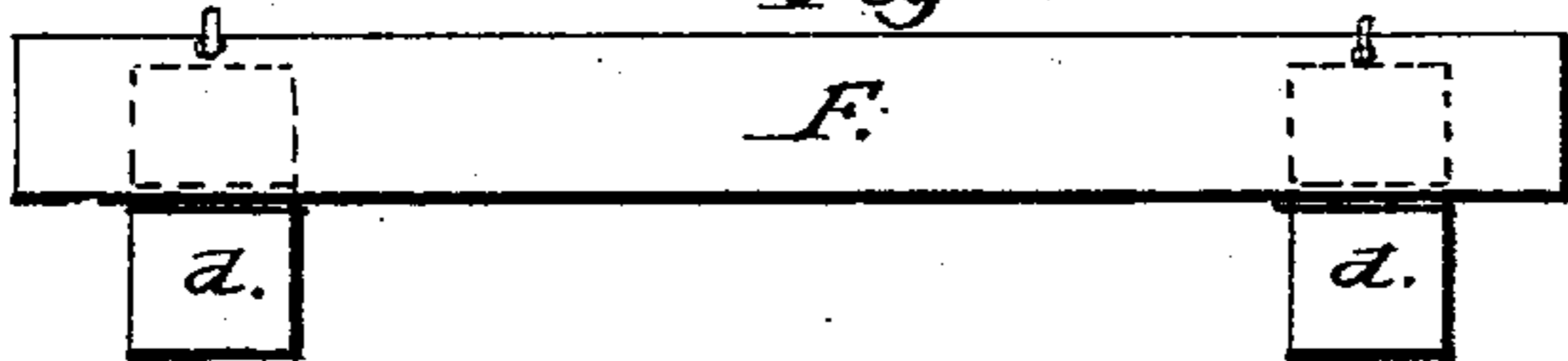
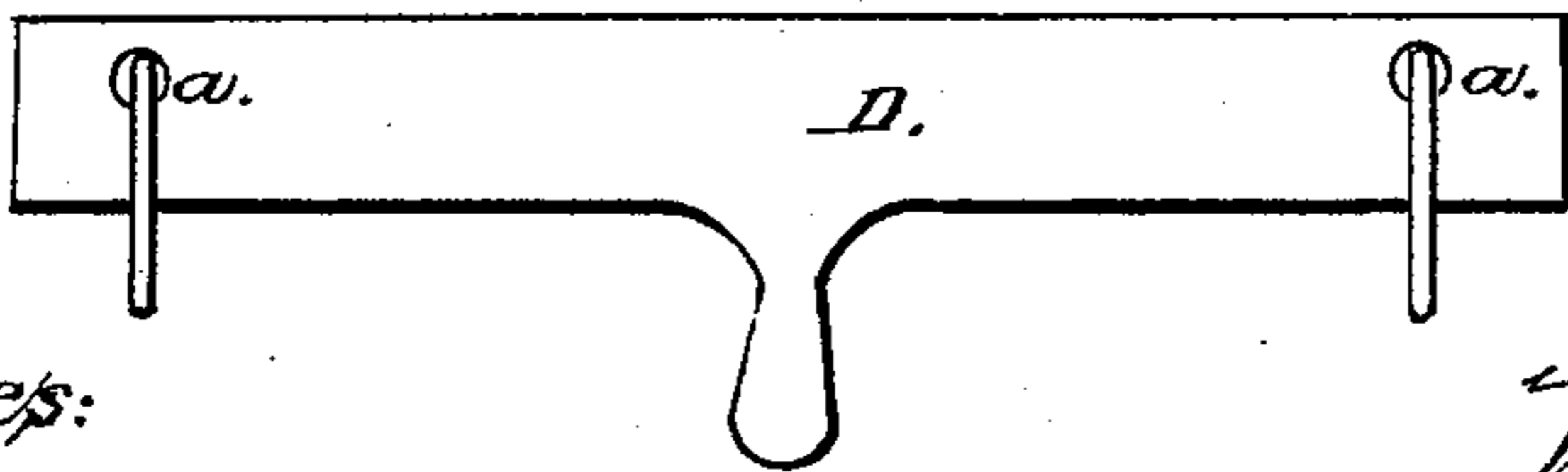


Fig. 4.



Witnesses:
Wm. A. Morgan
P. C. Dietrich

Inventor:

A. J. Deroe,
Wm. & Co.
attorneys



ANDREW JACKSON DEVOE, OF HACKENSACK, NEW JERSEY.

Letters Patent No. 86,975, dated February 16, 1869.

IMPROVED WEATHER-STRIP FOR WINDOWS.

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, ANDREW JACKSON DEVOE, of Hackensack, in the county of Bergen, and State of New Jersey, have invented a new and improved Weather-Strip for Window-Sashes; 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.

Figures 1 and 2 are vertical transverse sections of window-frames, provided with my improved weather-strip attachment.

Figure 3 is a detail plan or top view of the lower strip.

Figure 4, a similar view of the upper weather-strip.

Similar letters of reference indicate corresponding parts.

This invention relates to a new weather-strip for window-sashes, by means of which air and water are effectually prevented from being blown through the crevices between the sashes and under the lower sash.

The invention consists, first, in the application of a sliding sheet-metal plate, on the upper edge of the lower sash, which plate can be so placed as to cover the crevice between the two sashes; second, in the application of a swinging plate to the window-sill, and of swinging lugs under it, so that when the lower sill is let down it will strike the lugs, and thereby elevate the swinging plate, which will then remain in a sloping position, to form an inclined weather-strip for the lower part of the window.

A, in the drawing, represents a window-frame of ordinary or suitable construction.

B is the lower, and C, the upper sash of the same.

On the upper edge of the lower sash, B, is arranged a sheet-metal, or other plate, D, which is as long as the sash, and which is fastened to the sash by means of screws or otherwise.

The said screws, or their equivalents, are fitted through transverse slots *a a*, provided in the plate D, so as to allow lateral motion to said plate.

When the sashes are both closed, as in fig. 1, the

plate D may be pushed out, so as to partly cover the lower bar *b* of the upper sash, thereby covering the crevice between the sashes, as is clearly shown in fig. 1.

In this position the plate D may also serve as a sash-fastener, by fitting into notches *c*, provided in the side bars of the upper sash, as shown.

The upper sash is thereby locked to the lower one, and neither can be moved, unless the plate D is drawn in, as in fig. 2.

To the sills E of the window-frame are hinged or pivoted, under the lower sash, two, or more or less, narrow, bent plates, *d d*.

To the same sill is hinged, outside of the lower sash, a plate, F, which swings on its outer edge, and which rests on the outer ends of the plates *d*, as in fig. 2.

When the lower sash is raised, the plate F, with its weight, holds down the outer ends of the plates *d*, so that their inner ends stand up, as in fig. 2; but when the lower sash is brought down, it will depress the inner ends of the plates *d*, thereby raising their outer ends, whereby the plate F is caused to swing up, as in fig. 1.

The plate F fits then under a ledge, *e*, formed on the outer face of the lower sash, and forms a secure weather-strip, as shown in fig. 1, or it may simply fit against the outer face of the lower sash with almost equal effect.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

1. The sliding plate D, arranged on the upper edge of the lower sash, substantially as herein shown and described, so that it may serve to cover the crevice between the two sashes, as set forth.

2. The automatically-adjusting weather-strip F, hinged to the sill of the window-frame, and combined with the swinging plates *d d*, substantially as and for the purpose herein shown and described.

ANDREW JACKSON DEVOE.

Witnesses :

NICHOLAS EARLE,

JOHN R. VANDERLINDOHL.