

No. 717,399.

Patented Dec. 30, 1902.

G. A. HILLS.

WEATHER STRIP ATTACHMENT FOR DOORS OR WINDOWS.

(Application filed Sept. 12, 1902.)

(No Model.)

Fig. 1.

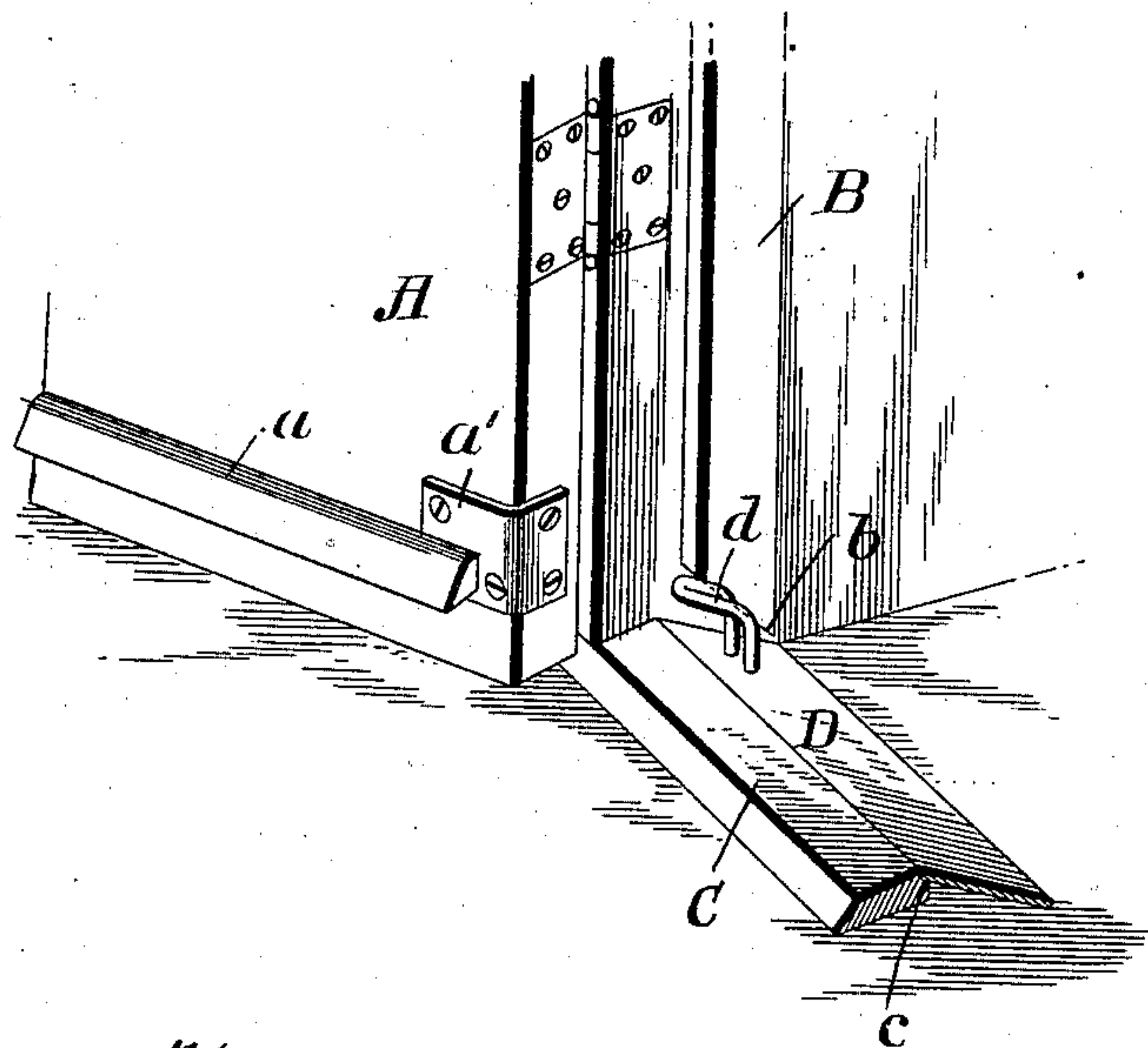
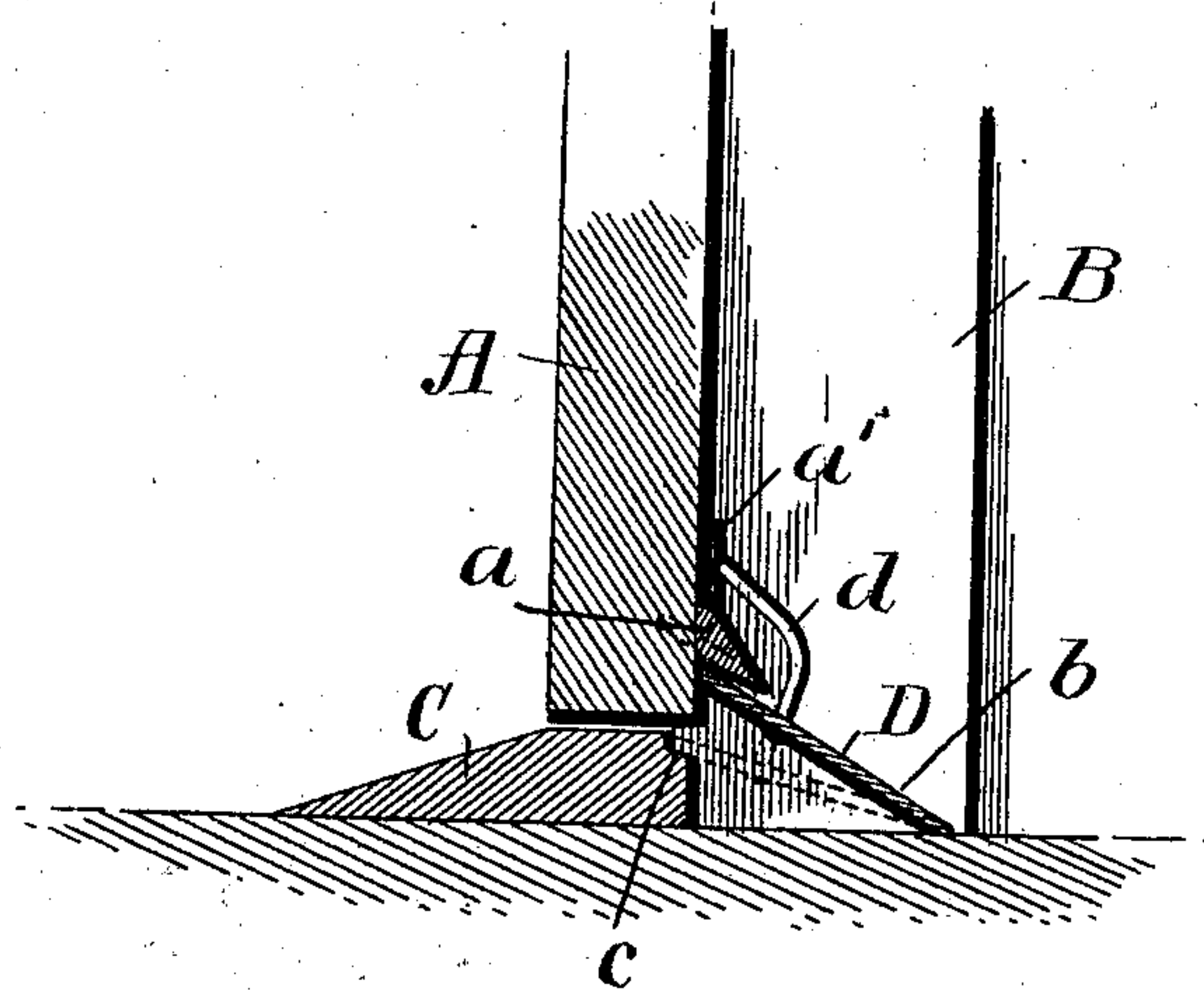


Fig. 2.



Witnesses

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WEATHER-STRIP ATTACHMENT FOR DOORS OR WINDOWS.

SPECIFICATION forming part of Letters Patent No. 717,399, dated December 30, 1902.

Application filed September 12, 1902. Serial No. 123,126. (No model.)

To all whom it may concern:

Be it known that I, GEORGE ALBERT HILLS, a citizen of the United States, residing at Alliance, in the county of Boxbutte and State of Nebraska, have invented certain new and useful Improvements in Weather-Strip Attachments for Doors or Windows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in automatically-adjustable weather-strips for swinging doors, windows, or the like; and it consists of certain novel features that will be hereinafter described and claimed.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters in both the views.

Figure 1 is a perspective view of the lower portion of the door and its frame, the door being in the open position; and Fig. 2 shows a section through the door and its frame when in the closed position.

A represents the door, provided with a cleat *a*, inclined on its upper surface, and a wear-plate *a'*.

B represents the door-jamb, which is cut away, as at *b*.

C represents the sill, and D represents the automatically-adjustable weather-strip, which is provided with the catch *d*. This weather-strip is held between the door-jamb B on opposite sides of the door-frame and when the door is open drops into a notch *c* in the door-sill C, as shown in dotted lines in Fig. 2. When the door is almost closed, the cleat *a* engages the catch *d* and tilts the weather-

strip upward, causing the catch *d* to ride up the wear-plate *a'* until just as the door is closed this weather-strip bears against the cut-away portion *b* of the door-jamb B, the parts then being in the position shown in Fig. 2. By having the catch *d* close into the door-jamb it will be practically out of the way, and the weather-strip D will when the door is open make a snug joint with the sill C, as shown in Fig. 1 and as indicated in dotted lines in Fig. 2. When the door is closed, however, this weather-strip will form a snug joint with the cleat *a* and with the edge *b* of the door-jamb B and will prevent the passage of air through the opening beneath the door. Should the sill settle or should the door hang down, the cleat *a* may be readily adjusted to suit altered conditions.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The combination with a door provided with a cleat and a wear-plate, of a door-frame provided with a sill notched as shown and a door-jamb cut away as shown, of a weather-strip normally held in the cut-away portion of said door-jamb and provided with a catch adapted to engage said cleat and to ride up on said wear-plate, whereby a snug joint is made between said weather-strip, said cleat and said door-jamb, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE ALBERT HILLS.

Witnesses:

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