

(No Model.)

D. WARNOCK.

WEATHER STRIP.

No. 293,385.

Patented Feb. 12, 1884.

Fig. 1.

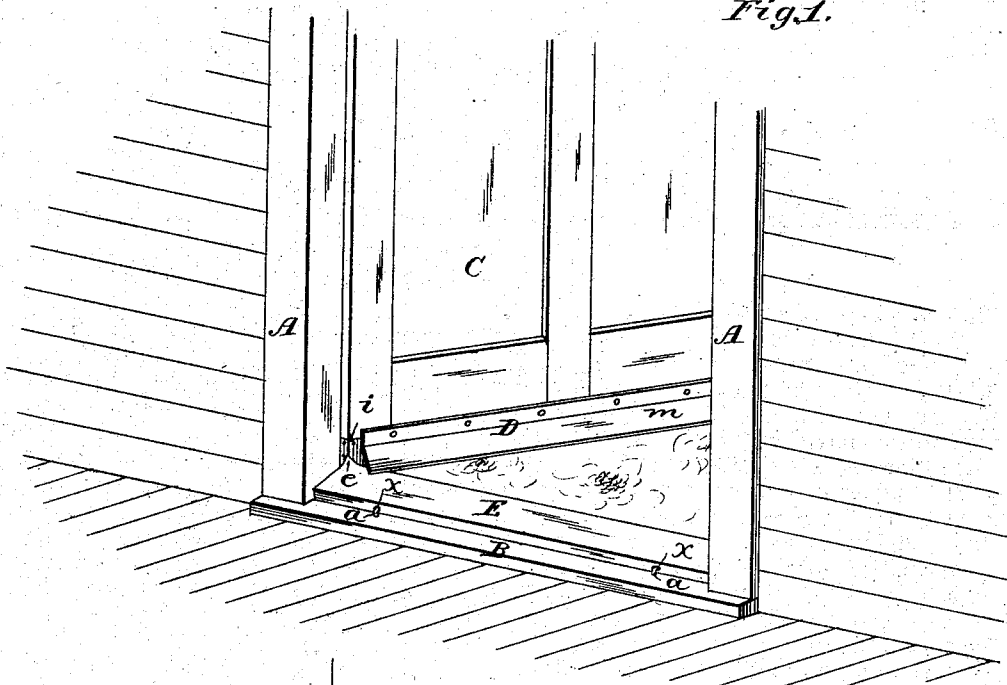


Fig. 2.

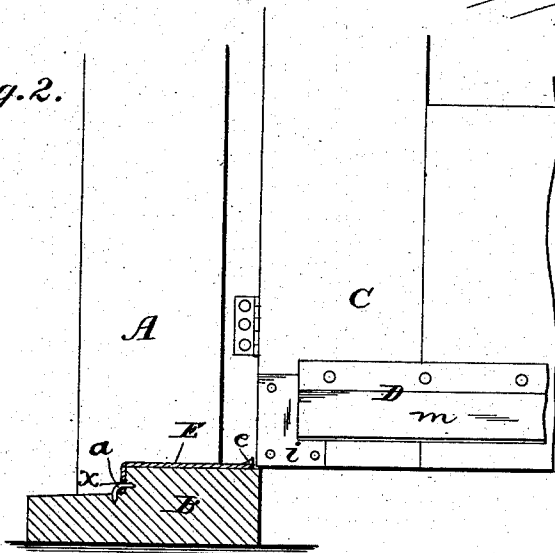
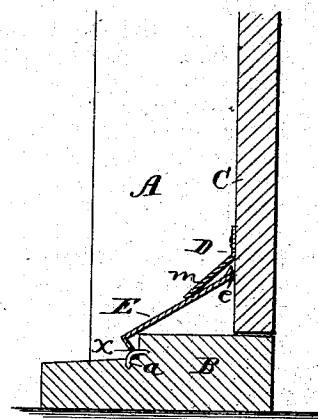


Fig. 3.



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UNITED STATES PATENT OFFICE.

DAVID WARNOCK, OF OLATHE, KANSAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 293,385, dated February 12, 1884.

Application filed August 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, DAVID WARNOCK, a citizen of the United States, and a resident of Olathe, in the county of Johnson and State of Kansas, have invented certain new and useful Improvements in Weather-Strips, of which the following is a specification.

My invention is a weather-strip for doors, constructed, as fully described hereinafter, so as to effectually close the space between the door and the sill when the door is closed, and so as to present no obstruction when the door is open, the parts being constructed so as to be cheaply made and easily applied.

In the drawings, Figure 1 is a perspective view, showing my improved weather-strip as applied to the door. Fig. 2 is a sectional elevation of the door and sill, the door being open; Fig. 3, the same as Fig. 2, the door closed.

A A are the side frames of the door. B is the sill. C is the door, hinged within the frame, as usual.

The strip consists of two pieces, D and E, the latter consisting of a metal plate bent to an L shape in cross-section, so that the horizontal part will lie flat upon the sill B, while the vertical portion is flat upon the vertical rise of the sill, and in this vertical portion, near the lower edge, are openings *x*, through which pass staples *a*, upon which the plate will play or swing with a hinge-like action. The corner *e* of the plate E, which is nearest the hinged edge of the door, is bent upward to form a lip, and a plate, *i*, is fastened to the face of the door near the corner, so that as the door is closed the contact of the plate *i* and lip *e* will lift the plate until it assumes the angular position shown in Fig. 3, with its inner edge bearing against the door.

The part D consists of a plate fastened to the outer face of the door, and bent to form

an inclined flange, *m*, which occupies such a position that when the door is closed, so as to tilt the plate E, the said flange will extend over and bear directly upon the upper edge of the plate, so that when the parts are in this position the passage of dust, wind, or rain between the door and the sill is effectually prevented. When the door is opened, the plate E will turn down to a horizontal position and lie flat upon the sill, covering the latter and presenting no obstruction to a free passage through the doorway.

It will be seen that the parts above described consist of ordinary cheap metal, and may be made in suitable lengths, so that by means of a slight amount of cutting, and by the use of a few staples and nails, they may be secured to any door.

I am aware that, broadly, it is not new to pivot a weather-strip between the side frames of a door, the forward edge of which strip is adapted to be elevated and projected between strips on the door when the latter is closed to exclude dirt, rain, &c., and this construction I do not claim; but

I claim—

A weather-strip for doors, consisting of an L-shaped plate, E, provided with a corner lip, *e*, with recesses *x*, and secured by staples to the sill of the door, in combination with a corner-plate, *i*, arranged upon the door to bear against the inner side of the lip *e*, and a plate, D, provided with an inclined flange, *m*, and connected to the door, substantially as set forth.

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

DAVID WARNOCK.

Witnesses:

G. F. HENDRICKSON,
W. W. HENDERSON.