

S. A. RANKIN.
WEATHER-STRIP.

No. 178,670.

Fig. 1.

Patented June 13, 1876.

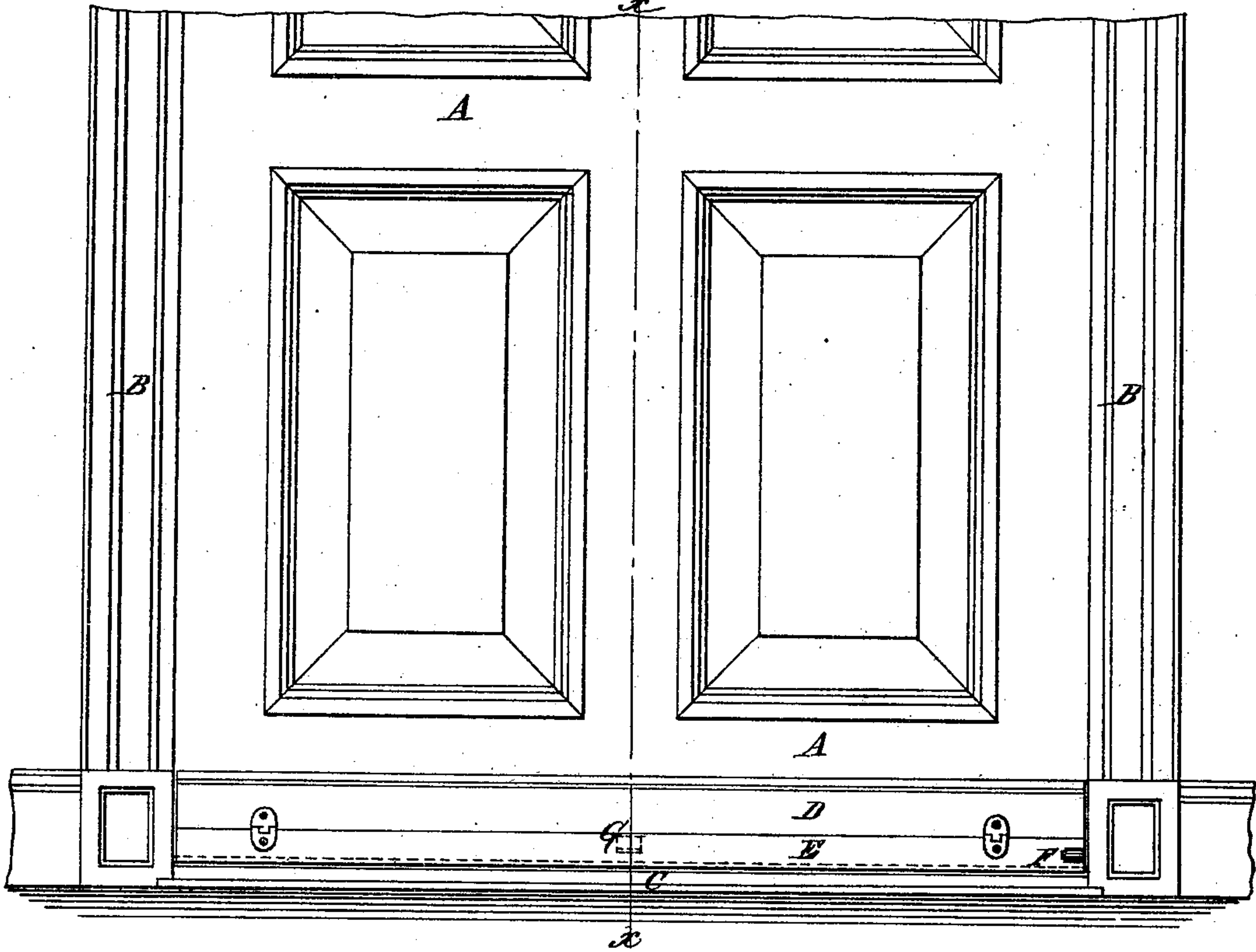
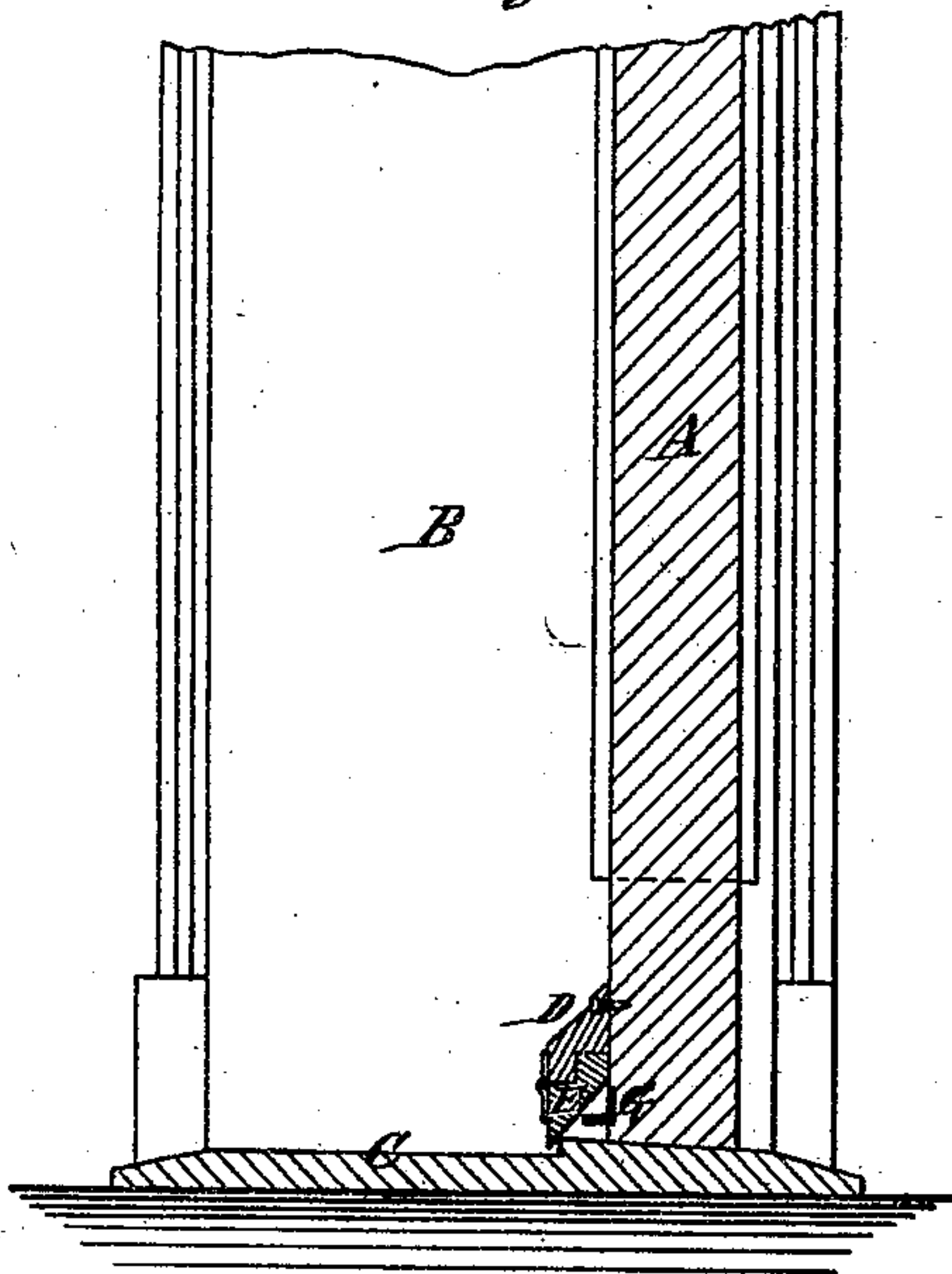


Fig. 2.



WITNESSES:

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S. ADAM RANKIN, OF MULBERRY, MISSOURI.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **178,670**, dated June 13, 1876; application filed May 16, 1876.

To all whom it may concern:

Be it known that I, S. ADAM RANKIN, of Mulberry, in the county of Bates, and in the State of Missouri, have invented a new and Improved Counterpoise Weather-Strip for Doors, of which the following is a specification:

Figure 1 is a front view of the lower part of a door to which my improved weather-strip has been applied. Fig. 2 is a vertical section of the same, taken through the line *xx*, Fig. 1.

The object of this invention is to furnish an improved weather-strip for doors, to prevent wind, rain, and snow from beating in beneath the door, and which shall be so constructed as to be raised by its own weight to a level with the lower edge of the door when the door is opened, and will shut down closely upon the threshold when the door is closed.

The invention consists in the two strips hinged to each other at their forward sides, and correspondingly rabbeted upon their adjacent sides, in combination with the door, and with the pin or roller attached to the door-post, and in the combination of the hook or angle iron with the door, and with the lower or hinged strip, as hereinafter fully described.

A represents a door; B, the door frame or posts, and C the threshold, about the construction of which parts there is nothing new. D E are two strips, which are made diamond-shaped in their general form, and are hinged to each other at their forward sides. The rear corner of the lower side of the upper strip D and the forward corner of the upper

side of the lower strip E are rabbeted, as shown in Fig. 2, so that the said sides will fit upon each other. The upper strip D is securely attached to the lower part of the door A. By this construction, when the lower strip E is left free, its inner part, being the heavier, will drop, which raises its lower side to a level with the lower edge of the door, so that the said door may be opened and closed freely. To the lower part of the door A is attached a small hook or angle iron, G, to prevent the rear part of the lower strip E from dropping down too far. As the door A is closed the outer side of the lower strip E strikes against a small pin or roller, F, attached to the door-post B, which forces down the forward part of the strip E upon the threshold, as shown in Figs. 1 and 2; so that wind, rain, or snow cannot beat in beneath the door.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The two strips D E, hinged to each other at their forward sides, and correspondingly rabbeted upon their adjacent sides, in combination with the door A, and with the pin or roller F, attached to the door-post B, substantially as herein shown and described.

2. The combination of the hook or angle iron G with the door A, and with the lower or hinged strip E, substantially as herein shown and described.

S. ADAM RANKIN.

Witnesses:

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