R. JENNINGS.

WEATHER-STRIP.

No. 175,997. Patented April 11, 1876.

FIG. I

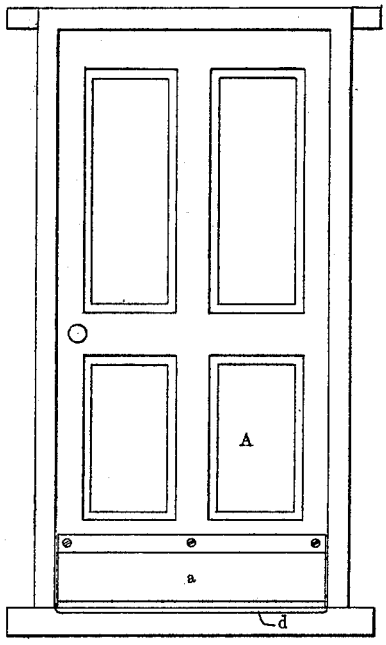

FIG. II

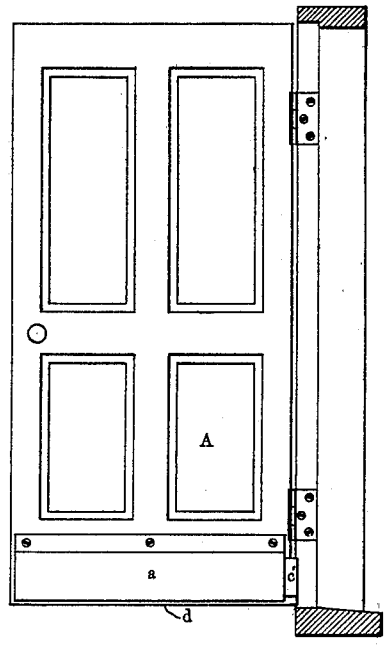

FIG. III

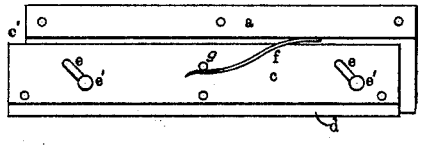

FIG. IV

WITNESSES.

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UNITED STATES PATENT OFFICE.

ROBERT JENNINGS, OF BALTIMORE, MARYLAND, ASSIGNOR OF THREE-FIFTHS HIS RIGHT TO GEORGE FOWLER JENNINGS, OF SAME PLACE.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **175,997**, dated April 11, 1876; application filed December 24, 1875.

To all whom it may concern:

Be it known that I, ROBERT JENNINGS, of the city of Baltimore and State of Maryland, have invented certain new and useful Improvements in Weather-Strips, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

This invention relates to a weather-strip to be attached to the bottom of a door, or at the side of a window-sash, to prevent the entrance of air, dust, &c.; and consists in means whereby the packing or flexible strip used to form a close joint offers no resistance to the opening of the door, and when applied to window-sash, to its elevation or depression.

In the further description of my invention, which follows, due reference must be had to the accompanying drawing, forming a part of this specification, and in which—

Figure 1 is a view of a door in a closed position and having attached thereto my improved weather-strip. Fig. 2 is a view of the same, with the door open. Fig. 3 is a back view of the invention, and Fig. 4 a cross-section of the same.

Similar letters of reference indicate similar parts of the invention in all the views.

A represents a door, to the lower edge of which is secured, by tacks, screws, or other devices, an offset metallic strip, *a*. The space *b* existing between the lower part of the strip *a* and the door is occupied by a folded plate, *c*, which holds the packing or flexible strip *d*. The plate *c* is slotted, the slots, which are represented by *e*, being inclined with reference to the edges of the plate *c* and metallic strip *a*. The plate *c* is held within the space *b* by means of the bolts or pins *e'*. The position of the folded plate *c* and flexible strip *d*, or that occupied by them when the door or window-sash is open, is shown in Figs. 2, 3, and 4, the said parts being influenced to occupy such position by means of a spring, *f*, in connection with the pin *g*, which serve to elevate them and withdraw the flexible strip from contact with the floor or door-frame. In closing the door the projecting end *c'* of the folded plate *c* comes into contact with some part of the door-frame or a plate fastened thereto, and is forced in the direction of the slots, bringing the edge of the flexible strip *d* in contact with the floor or bottom of the door-frame.

In the adaptation of my invention to windows the operation is substantially the same.

I am aware that weather-strips rising and falling by means of springs in diagonal slots are not new, and such, therefore, I do not claim; but

What I claim as my invention and wish to secure by Letters Patent of the United States, is—

The folded metallic clamping-strip *c*, provided with the diagonal slots *e*, rubber packing *d*, and pin *g*, combined with the offset metallic plate *a*, pins *e'*, and spring *f*, as and for the purpose specified.

In testimony whereof I have hereunto subscribed my name this 2d day of December, in the year of our Lord, 1875.

ROBERT JENNINGS.

Witnesses:

HENRY W. STAYLOR,

CHARLES A. FRISBY.