M. S. MILLARD & J. G. CHASE.

Weather-Strips.

No. 211,418. Patented Jan. 14, 1879.

Fig. 1.

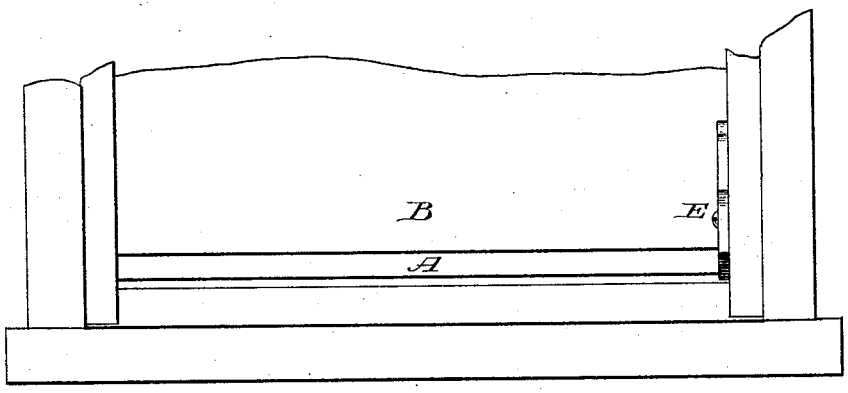


Fig. 2.

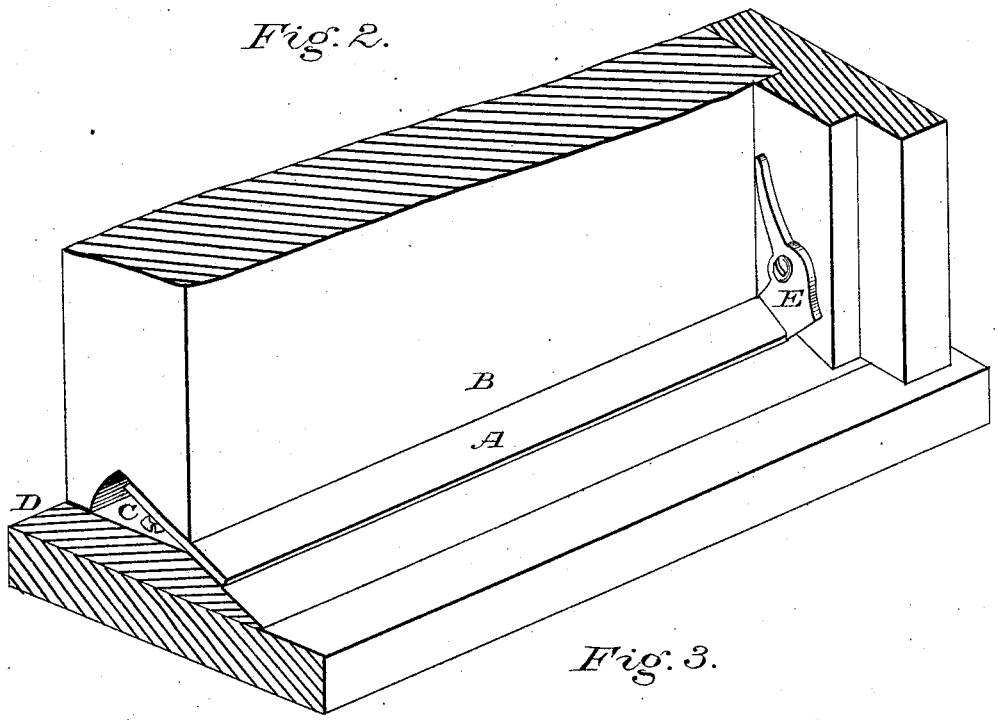
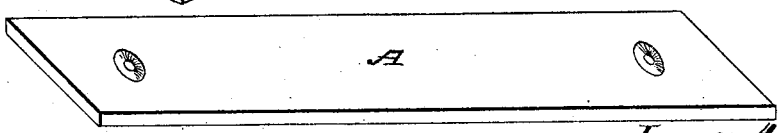


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

MARTIN S. MILLARD AND JAMES G. CHASE, OF CARTHAGE, MISSOURI.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **211,418**, dated January 14, 1879; application filed September 27, 1878.

To all whom it may concern:

Be it known that we, MARTIN S. MILLARD and JAMES G. CHASE, in the city of Carthage, Jasper county, Missouri, have invented a certain Improvement to the Bottom of Doors by a Weather-Strip, of which the following is a specification:

Our invention is an improvement to the bottom of doors by a weather-strip attached, for the purpose of keeping wind, rain, or snow from entering under the door.

Figure 1 is a front elevation. Fig. 2 is a perspective view. Fig. 3 is a detail view.

The invention consists of a self-adjusting or vibrating horizontal slat or bar made of iron, or other suitable material, three-sixteenths ($\frac{3}{16}$) of an inch in thickness and one and one-half ($1\frac{1}{2}$) inch in width, (more or less,) as may be required, the length of the same being the width of the door, as shown at A, Fig. 1, and has two or more holes in the center of the bar A for screws, which serve the purpose of hinges. The bar A is fastened to the outer edge of the groove C in the bottom of the door B with screws or any other suitable device.

The groove C is to be made of the desired angle and form, so that the inner edge of the bar A will rise up while the outer edge is adjusted over the threshold D. The outer edge of the groove C is to be cut out the thickness of the bar A, so that when the door is open the bar A is level underneath with the inside of the door B.

When the door is open the bar A poises itself level by its own weight, supported by the heads of the screws. On shutting the door the bar A is carried in a horizontal position until almost directly over the threshold D, when the outer corner of the bar A strikes the reacting latch or catch E, or any suitable mechanism, and is adjusted over the threshold D, forming a perfect and tight joint between the door B and the threshold D, as shown in Fig. 2.

Our improvement does not in any way deface the door while open or shut, but, on the other hand, rather improves the appearance of the same, making a complete finish between the bottom of the door and threshold, so that wind, rain, and drifting snow cannot enter.

We claim as our invention—

The combination of the strip A, arranged to tilt upon its central line, one edge in the groove C, and the other outside of and below the bottom of the door, with reacting lever or latch E, pivoted to the jamb of the door, substantially as shown and described.

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