

F. A. BRADSHAW.
Weather-Strip.

No. 168,869.

Patented Oct. 19, 1875.

Fig. 1

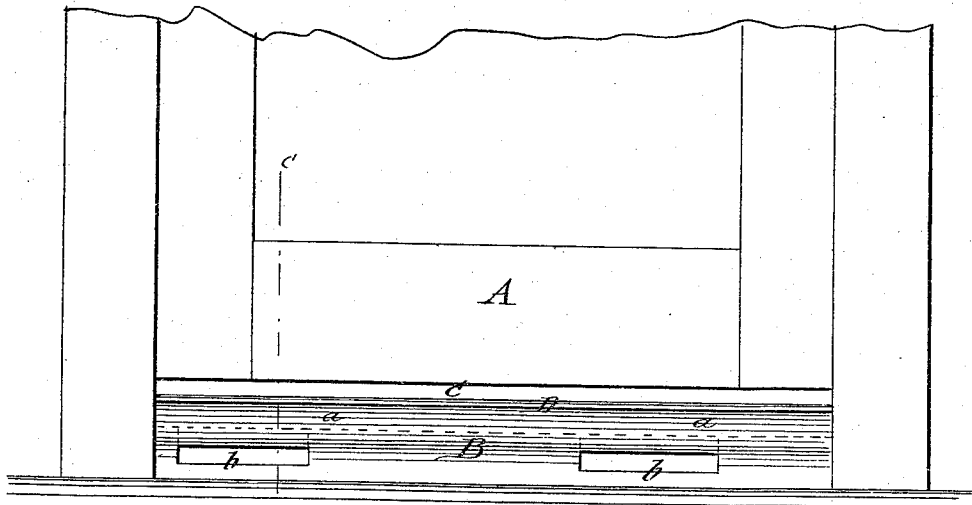
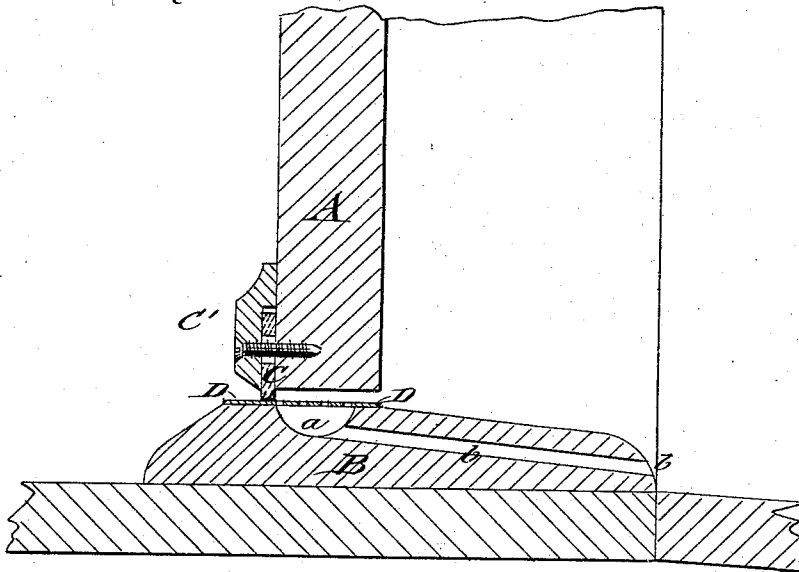


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANCIS A. BRADSHAW, OF LEBANON, MISSOURI.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **168,869**, dated October 19, 1875; application filed September 4, 1875.

To all whom it may concern:

Be it known that I, FRANCIS A. BRADSHAW, of Lebanon, Laclede county, Missouri, have invented a new and Improved Weather-Strip, of which the following is a specification:

Figure 1 represents a front view, and Fig. 2 a vertical transverse section on the line *c c*, Fig. 1, of a door with my improved weather-strip.

Similar letters of reference indicate corresponding parts.

My invention has reference to a weather-strip for doors by which no water is allowed between the door and the threshold-strip, and the drip-water carried off in effective manner.

The invention consists of a door with an adjustable elastic weather-strip fitting on the threshold-strip, that is provided with a groove and outwardly-inclined mortises for the drip-water. The groove is covered by a perforated metallic plate.

In the drawing, A represents the door; B, the threshold-strip; C, the elastic weather-strip, of rubber or other material, that is slotted at the points where the fastening-screws pass through the same, for the purpose of being adjustable and providing for the wear and tight fitting on the strip B. The weather-strip C is attached to the inside of the door, at the

lower edge of the same, by a molding, C', applied by fastening-screws. The threshold-strip B is provided along its entire length with a groove, *a*, below the door, and immediately in front of the weather-strip, which groove serves to collect the water and convey it by inclined mortises *b* to the outside. A perforated plate, D, of suitable metal, covers groove *a*, being attached to the top of the strip B, so as to allow the drip-water to pass to the groove, and prevent at the same time the collection of dirt therein, which is necessary to prevent the choking up of the mortises.

The weather-strip prevents any moisture entering between it and strip B, and throws the drip-water into the groove to be drained off through the mortises, keeping thus the sill in a perfectly-dry state.

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

The combination, with the threshold-strip, of a perforated plate, covering draining-groove for preventing the entrance of dirt, substantially as specified.

FRANCIS A. BRADSHAW.

Witnesses:

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