

C. W. MACE.
WEATHER-STRIP.

No. 173,312.

Patented Feb. 8, 1876.

Fig 1.

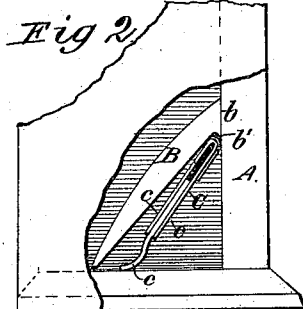
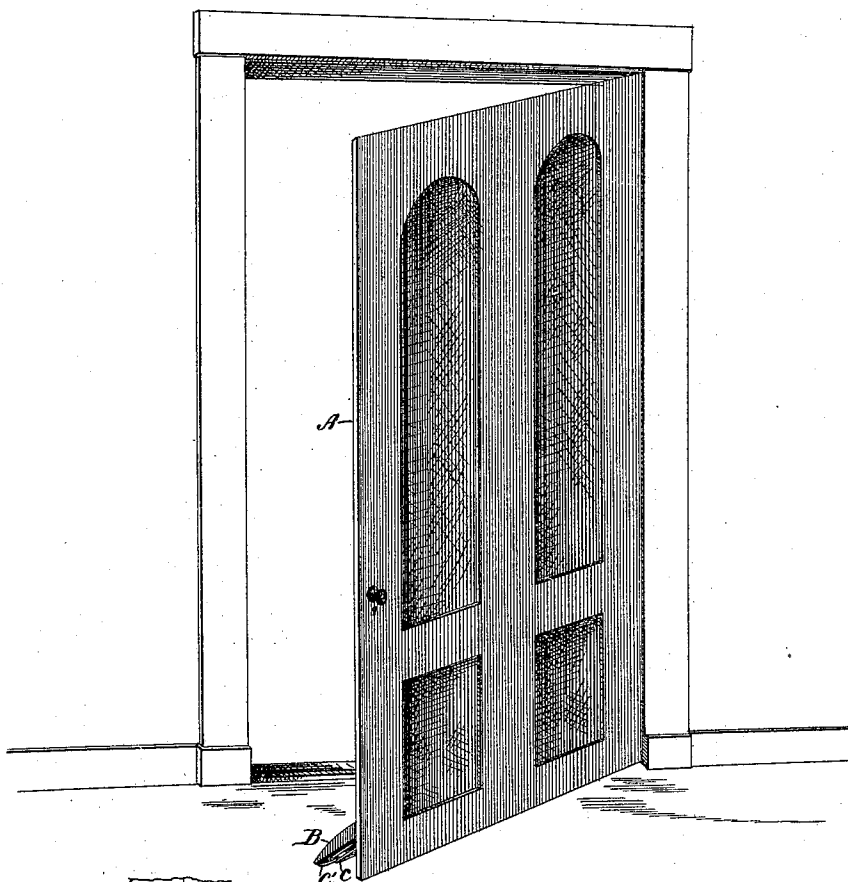


Fig 3.

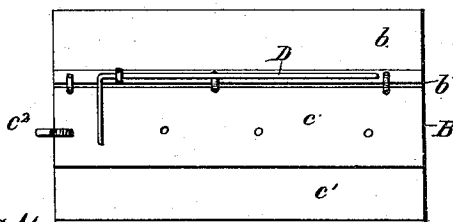
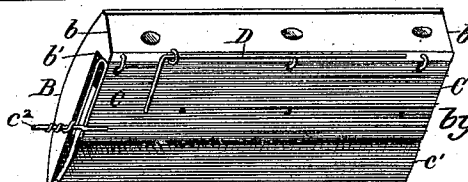


Fig 4.



Witnesses
Harry C. Clark,
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Chas W. Mace.
by H. W. Seadle, Jr.
his Attys.

UNITED STATES PATENT OFFICE

CHARLES W. MACE, OF FLORIS, IOWA.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **173,312**, dated February 8, 1876; application filed November 5, 1875.

To all whom it may concern:

Be it known that I, C. W. MACE, of Floris, in the county of Davis and State of Iowa, have invented a new and useful Improvement in Weather-Strips; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to that class of weather-strips which are hinged to the door and pressed down to place by contact with the jamb when the door is closed; and it consists, mainly, in the combination of an overhanging molding with an interior weather-strip hinged thereto, and a pressure-spring for actuating the strip, all of which will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of my invention as applied to the door; Fig. 2, a side elevation of the same; Fig. 3, a plan view of the weather-strip detached, taken from the under side; and Fig. 4 a perspective view of the same.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents the door, to which the weather-strip is applied. B represents a molding, of suitable size and form, provided with an inclined face, *b*, by means of which it is, when secured to the face of the door by suitable screws or other fastening, held at a proper angle, as shown. *b'* represents a shoulder, by means of which a recess is formed for receiving the upper edge of the weather-strip, as shown. C represents the weather-strip, consisting of the metal clamp *c*, hinged in any suitable manner to the molding B, as shown, and elastic strip, *c'*, secured between the sides of the clamp *c* by rivets, as shown. *c''* repre-

sents a pin projecting from the side of the clamp *c*, which is adapted in size and position to come in contact with the jamb when the door is closed, and press the strip down to place. D represents a spring of suitable construction, which, when free to act, presses forward the weather-strip against the molding, as shown.

It will be observed that the weather-strip lies entirely within the molding, so that it is effectually protected from injury from heat or other cause.

It will be also understood that the molding, weather-strip, and spring are attached together and form in themselves a complete device adapted to be attached to any door.

The operation will be readily understood. The molding having been properly attached to the door, the closing of the same will cause the contact-pin, by striking against the jamb, to press down the weather-strip upon the carpet, and thus exclude air and moisture.

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

1. The combination of the molding B, the hinged weather-strip C, having the flexible extension *c*, and the stop *c''*, with the door-casing, the spring being adapted to lift the weather-strip out of effective position, and the stop and door-casing to move it into effective position when the door is closed, as described.

2. The combination of the metal clamp C and flexible extension *c* with the overhanging molding B, as described.

This specification signed and witnessed this 1st day of November, 1875.

CHARLES W. MACE.

Witnesses:

E. SHOPBELL,
I. KISTER.