

(No Model.)

W. H. PLYMPTON.
WEATHER STRIP.

No. 491,952.

Patented Feb. 14, 1893.

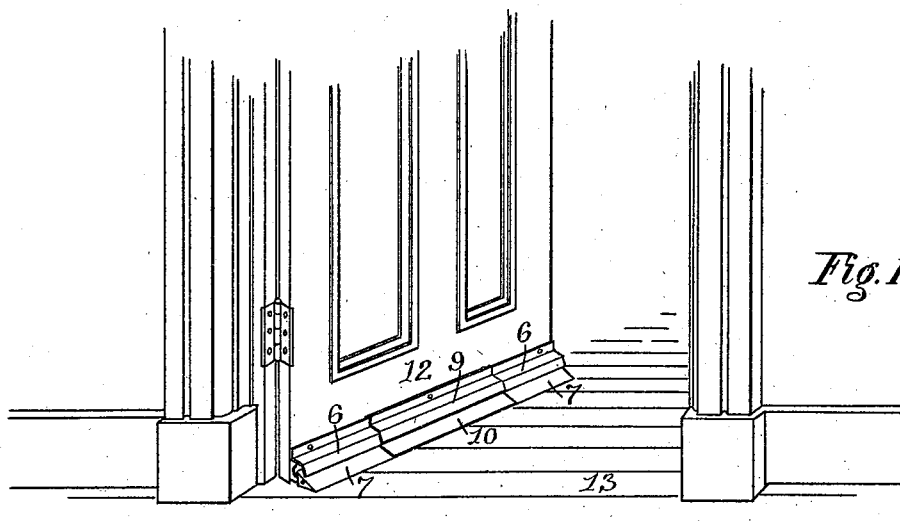


Fig. 1

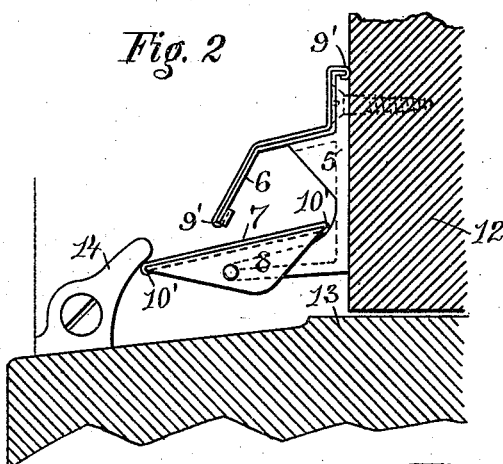


Fig. 2

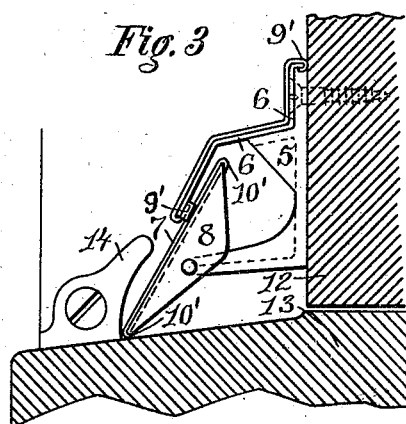


Fig. 3

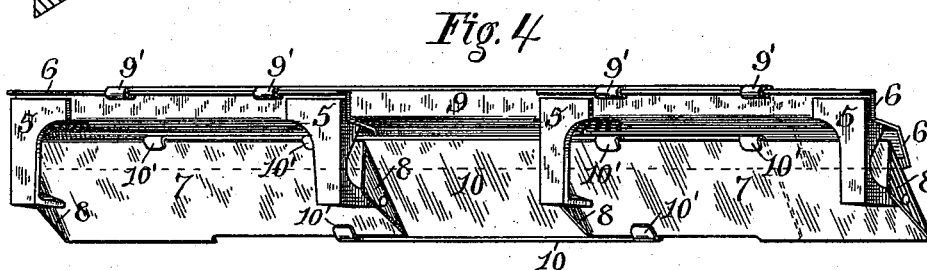


Fig. 4

Witnesses:

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UNITED STATES PATENT OFFICE.

WARREN H. PLYMPTON, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR OF
ONE-HALF TO ARTHUR H. PLYMPTON, OF SAME PLACE.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 491,952, dated February 14, 1893.

Application filed July 27, 1892. Serial No. 441,362. (No model.)

To all whom it may concern:

Be it known that I, WARREN H. PLYMPTON, of the city of Providence, in the county of Providence and State of Rhode Island, have
5 invented certain new and useful Improvements in Weather-Strips; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming
10 a part of this specification.

This invention has reference to an improvement in weather-strips adapted for use on doors to close the joint between the door and the sill.

15 The invention consists in the peculiar and novel construction of the weather-strip by which the same can be adjusted to the width of a door and is made more durable than weather-strips of this class, as will be more
20 fully set forth hereinafter.

The object of the invention is to make a light sheet-metal weather-strip, and another object of the invention is to so construct the same that it can be readily adjusted to doors
25 of different widths.

Figure 1 is a perspective view of the lower part of a door provided with my improved weather-strip. Fig. 2 is a sectional view of the lower part of a door, the sill and the
30 weather-strip, showing the weather-strip in the position when the door is nearly closed. Fig. 3 is a sectional view showing the position of the weather-strip when the door is closed, and Fig. 4 is a perspective view of my
35 improved weather-strip.

Similar numbers of reference indicate corresponding parts in all the figures.

In the drawings 5—5 indicate the brackets to which the crimped sheet-metal strips 6—6, forming the two opposite ends of the weather-
40 strip, are secured. The sheet-metal strips 7 have their ends bent to form the flanges 8 and these are pivoted on the lower arms of the brackets 5. I prefer to make the same so
45 that they can be easily adjusted to the width of the door and, therefore, connect the two

ends by the central crimped sheet-metal strips 9 and 10. The crimped sheet-metal strip 9 is provided with the lips 9' which are bent over the edges of the strips 6 and the
50 sheet-metal strip 10 is provided with the lips 10' which are bent over the edges of the strips 10, so that by this construction the two ends can be drawn out or pushed in and thus an adjustable threshold weather-strip is secured. 55
In the drawings the door is indicated by the numeral 12, the sill by 13, and the usual stop, by which the hinged strip 7 is operated, by 14.

The weather-strip is secured to the door 60 by screws, as is shown in the drawings.

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

1. An adjustable threshold weather-strip, 65 consisting of two end sections each composed of two brackets to which a sheet-metal strip is secured to form the upper part and a sheet-metal strip is pivoted to form the lower part of the weather-strip, a central sheet-
70 metal strip the upper and lower parts of which are bent over the edges of the fixed upper sheet-metal end strips, and a central sheet-metal strip, the upper and lower parts of which are bent over the hinged lower sheet-
75 metal end strips, adapted to adjust the length of the weather-strips, as described.

2. In an adjustable threshold weather-strip, the combination with the brackets 5, the crimped sheet-metal strips 6, and the strips 80 8 pivoted to the brackets, of the central crimped sheet-metal strip 9 having the lips 9' bent over the edges of the strips 6, and the strip 10 having the lips 10' bent over the strips 7, as and for the purpose described. 85

In witness whereof I have hereunto set my hand.

WARREN H. PLYMPTON.

Witnesses:

JOSEPH A. MILLER,
JOSEPH A. MILLER, Jr.