(No Model.)

D. D. MAYFIELD.

WEATHER STRIP.

No. 345,597. Patented July 13, 1886.

Fig. 1.

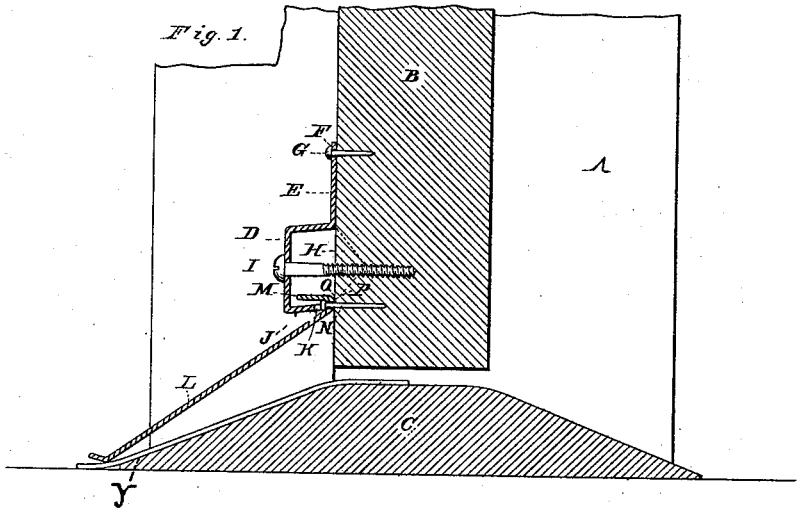


Fig. 4.

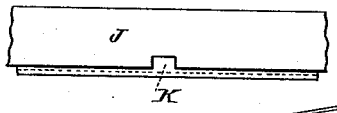


Fig. 2.

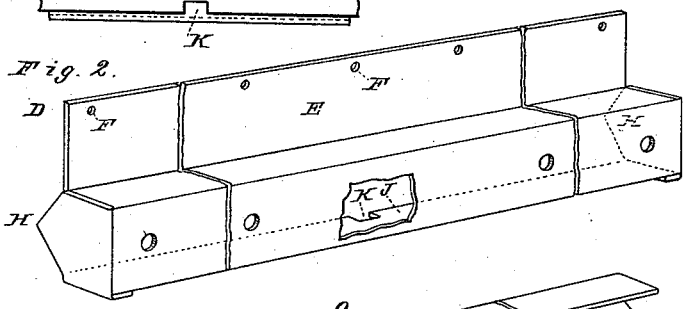


Fig. 3.

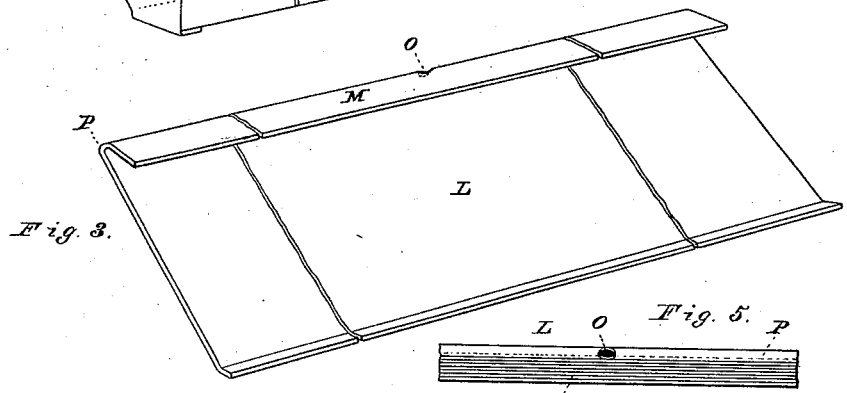
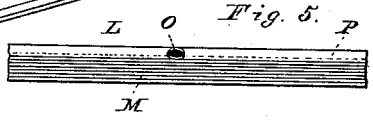


Fig. 5.



WITNESSES

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DANIEL D. MAYFIELD, OF SULLIVAN, INDIANA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 345,597, dated July 13, 1886.

Application filed April 21, 1886. Serial No. 199,621. (No model.)

To all whom it may concern:

Be it known that I, DANIEL D. MAYFIELD, a citizen of the United States, residing at Sullivan, in the county of Sullivan and State of Indiana, have invented certain new and useful Improvements in Weather-Strips; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a vertical section. Figs. 2, 3, 4, and 5 are details.

My invention relates to metallic weather-strips; and it consists in the construction and novel combination of parts, as hereinafter set forth, and pointed out in the claim.

Referring by letter to the accompanying drawings, A designates the door-frame, B the door, and C the threshold beneath the door.

D designates the cap-box, which in length is nearly equal to the width of the door on which it is used, and said cap-box is provided along its inner upper edge with an integral flange, E, having holes F near its upper edge, through which headed nails G are driven into the face of the door to secure the cap-box in place. The ends of the cap-box D are closed by integral pointed portions H, which are bent at right angles to the length of the box D, the points H projecting beyond the inner face of the flange E, so that they will be driven into the face of the door B when the fastening-screws I I I are turned up to secure the cap-box in place. The lower wall, J, of the cap-box D is provided at the middle of its edge with a rectangular notch, K, the purpose of which will be hereinafter further explained.

L is the metallic weather-strip, which is provided with an outward downwardly-projecting flange, M, along its upper edge, said flange projecting at an angle of about forty-five degrees from the plane of the body of the weather-strip. The lower edge of the weather-strip is curved upwardly throughout its length, so that it will slide easily over the threshold when opening and closing the door. A single nail, N, is driven through a hole, O, at the middle of the fold-line P of the inclined flange and into the door, to prevent lateral movement of the weather-strip in its cap-box. The threshold X has inclined sides, and rests upon the door-sill, to which it is secured. A metallic wear-plate, Y, slightly curved in outline, is secured to the sill, and extends up the outer incline of the threshold and forms a track for the lower inner corner of the weather-strip, and prevents the wood from being worn away by the latter when the door is being opened and closed.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the notched cap-box with the perforated integral upper flange and the closed ends with projecting points for entering the face of the door, of the flanged weather-strip with the hole at the middle of the upper folded edge, and the headed nail for securing the weather-strip in place, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

DANIEL D. MAYFIELD.

Witnesses:
A. A. HOLMES,
W. T. MAYFIELD.