(No Model.)

A. F. VAN DOLSEN.

WEATHER STRIP.

No. 335,098. Patented Jan. 26, 1886.

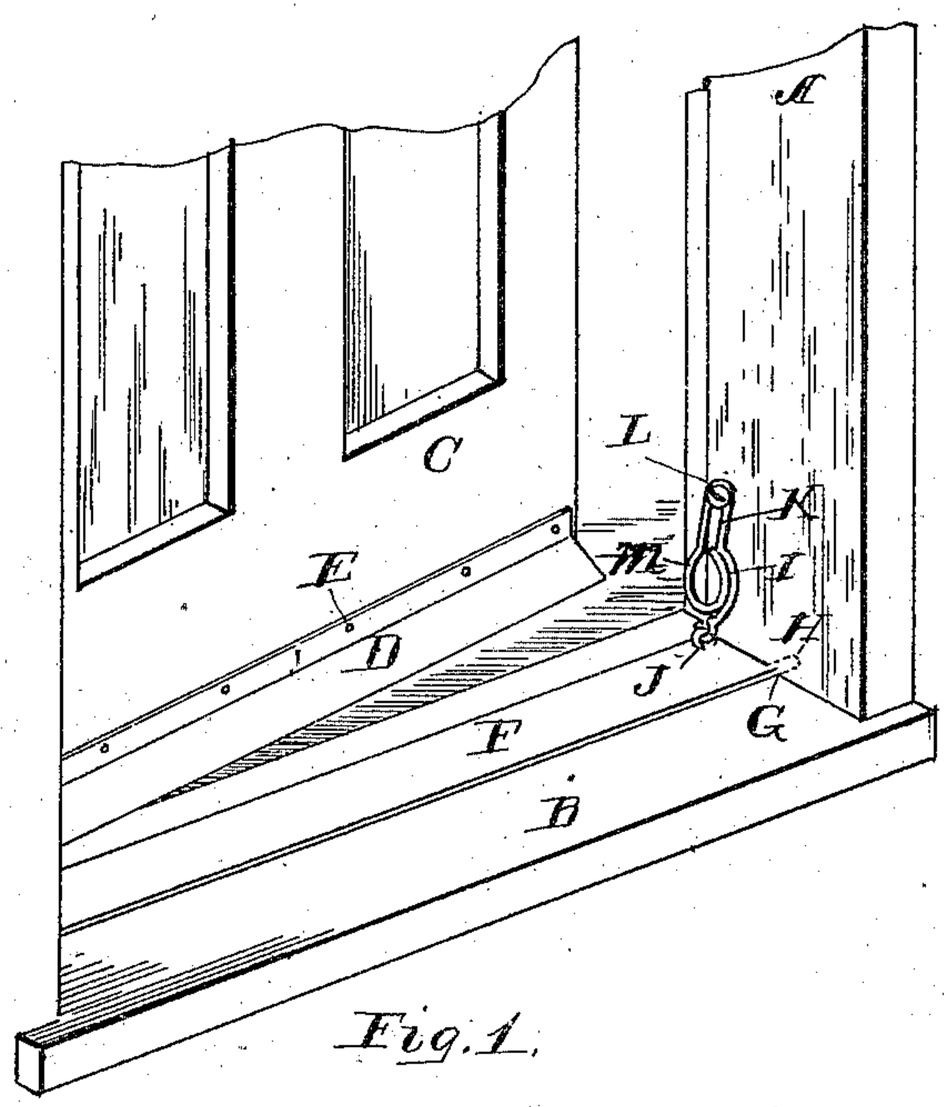

Fig. 1.

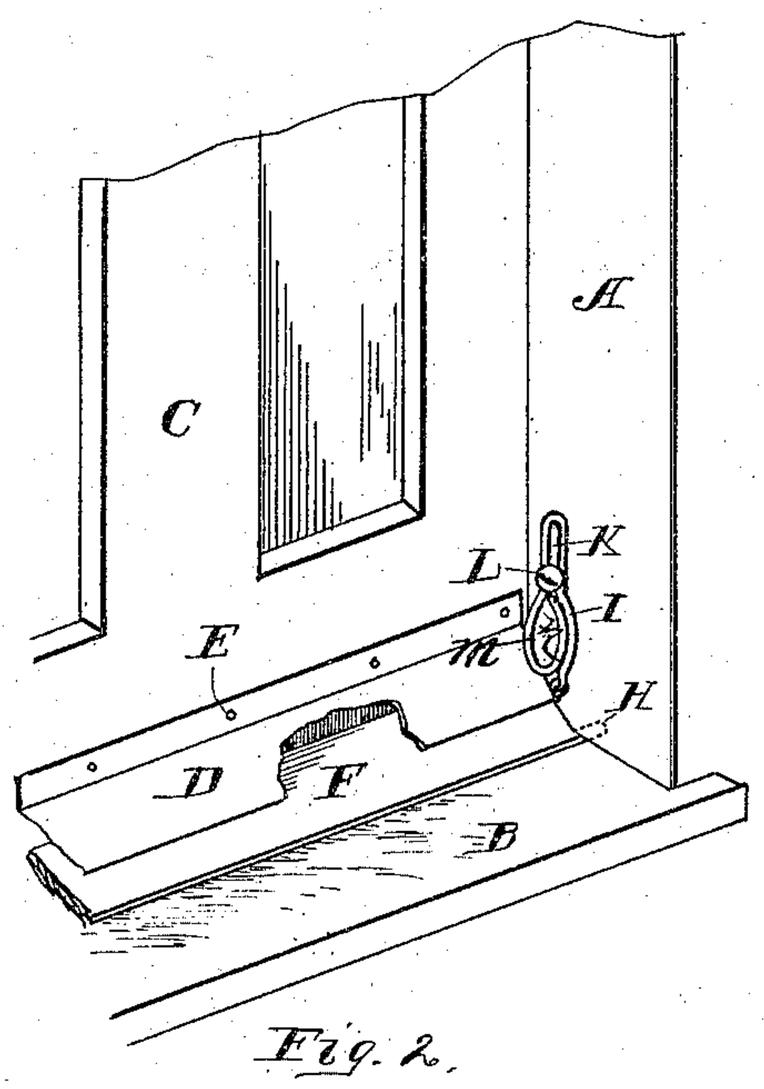

Fig. 2.

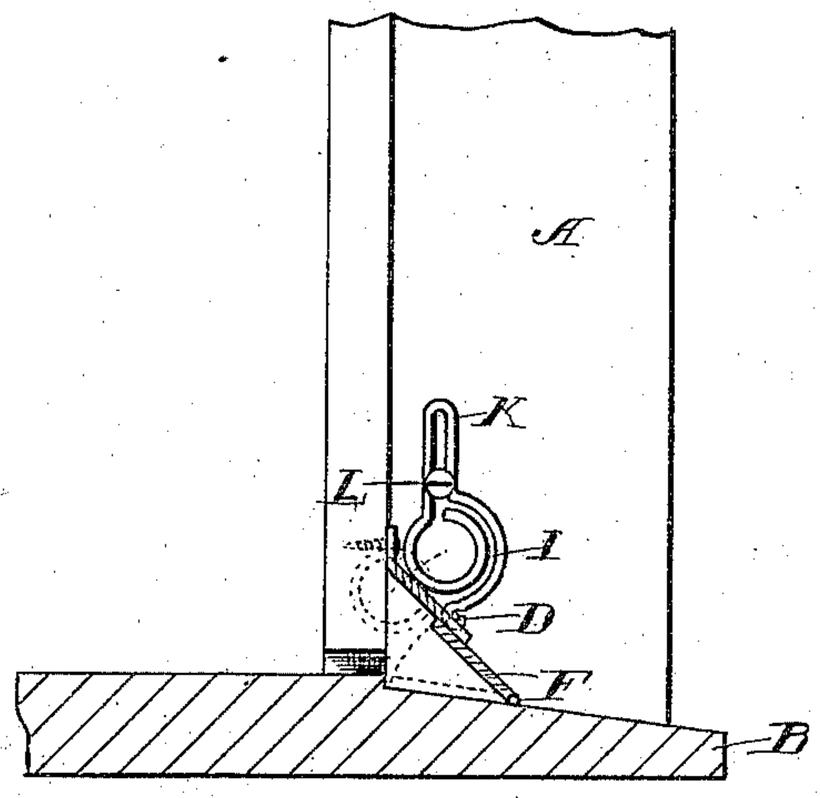

Fig. 3.

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AUGUSTUS F. VAN DOLSEN, OF LIBERAL, ASSIGNOR TO R. J. MORRIS & CO., OF DENNISON, MISSOURI.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 335,098, dated January 26, 1886.

Application filed September 5, 1885. Serial No. 176,264. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS F. VAN DOLSEN, of Liberal, in the county of Barton and State of Missouri, have invented a new and useful Improvement in Weather-Strips, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of a section of a door and casing with my improved weather-strip attachment; Fig. 2, a perspective view of she same with the door closed, and Fig. 3 a transverse vertical section.

My invention relates to an improvement in weather-strips, consisting of a plate hinged to the sill and an angled plate on the outer face of the door, so disposed as to come in contact with an adjustable sliding piece attached to the hinge of the sill-plate, so that when the door is closed the sill-plate will be raised and press against the under face of the angled door-plate, and thus form a close joint, as a protection against air and water, all of which will now be set forth in detail.

In the accompanying drawings, A represents an ordinary door-jamb, B the sill, and C the door. On the lower outer face of the door C, I provide a plate, D, the lower edge projecting outwardly somewhat at an angle and secured to the said door by means of screws E, or by other suitable means. Over the sill B, I provide a plate, F, the corners G at one side having elongations, so as to be placed within recesses H in the jamb, and thus permitting one edge of the plate to be elevated. Over one end of this plate F I provide a wire piece, I, secured to a staple, J; thence, curved somewhat laterally, extends up vertically and forms a loop, K, over a pin, L, in the jamb; thence returning somewhat parallel with this vertical part, and is curved laterally at M, toward the door, and thence inwardly, forming a loop, N. This wire piece may thus be elevated in connection with the inner edge of the sill-plate F.

Figure 1 shows a view where the door is slightly open and the plate F rests down horizontally upon the sill B. Figs. 2 and 3, however, show the device when the door is closed, and, as will be noticed in this case, the angled plate D on the outer side of the door as it comes in contact with the loop N, and this vertical piece slides up on this angled plate, which has a tendency to raise the inner edge of the said plate F, so as to bring it up to the lower edge of this said angled plate. As the door is again opened, the weight of the inner edge of the plate causes the said plate to return flat on the sill, and thus be out of the way.

Having described my invention, what I claim is—

1. In a weather-strip, a metallic piece attached to a staple on one edge of a hinged metallic plate over the sill, thence extending upwardly, passing over a pin and forming a loop, returns a short distance parallel with the opposite side, and then curved out laterally, so that an angled piece on the outer face of the door will come in contact with the said curve and will cause one edge of the hinged sill-plate to press up against the angled door-plate and make a tight joint, substantially as herein set forth.

2. The combination, in a weather-strip, of the sill-plate F, hinged at one side to the jamb having therein at the opposite edge a staple, to which is attached a vertical piece forming a loop, K, over a pin in the side of the jamb, and with its inner side having a projecting curve, so as to be operated by an angled plate, D, substantially as herein set forth.

3. The combination of the sill B, the jamb A, the sill-plate F, the vertical piece I, looped at its upper end and inwardly formed with a curve, M, with the door C, and the angle-plate D on its outer face so disposed as to come in contact with the vertical piece I, and thus operate the sill-plate, substantially as herein set forth and described.

In testimony that I claim the foregoing I have hereunto set my hand, this 29th day of August, 1885, in the presence of witnesses.

AUGUSTUS F. VAN DOLSEN.

Witnesses:

REUBEN J. MORRIS,

GEORGE H. OGDEN.