

E. Carpenter,
Threshold,
No 84,680, Patented Dec. 8, 1868.

Fig: 1.

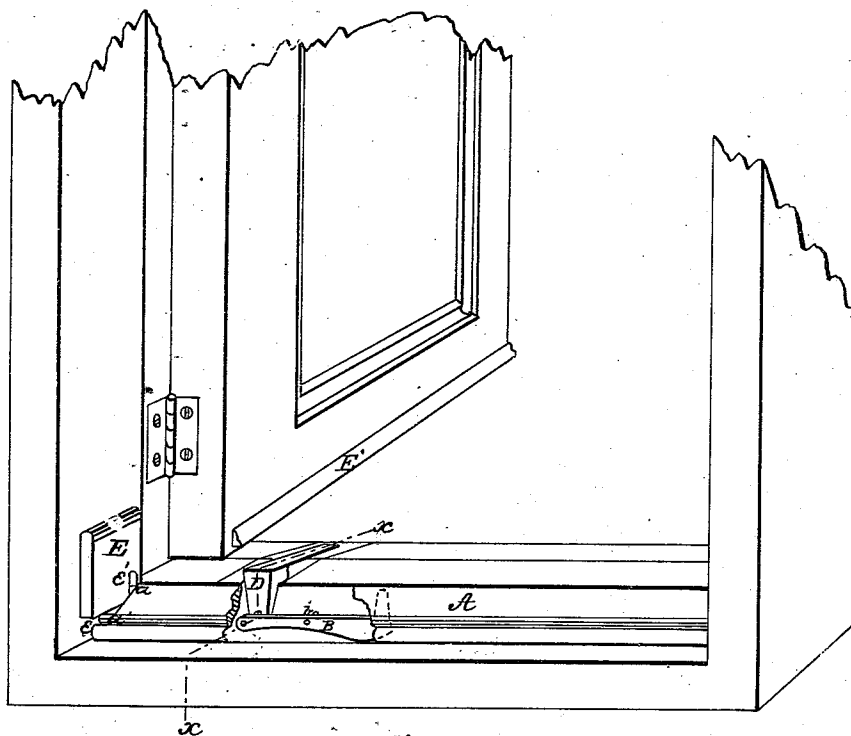
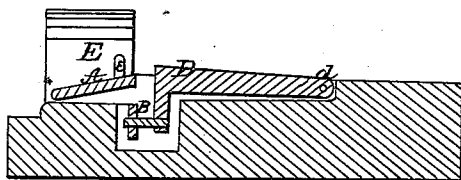


Fig: 2.



Witnesses:
G. F. Brown.
Fred Thomas.

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att'y.

United States Patent Office.

ELIJAH CARPENTER, OF CARBONDALE, PENNSYLVANIA.

Letters Patent No. 84,680, dated December 8, 1868.

IMPROVED WEATHER-STRIP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ELIJAH CARPENTER, of Carbondale, in the county of Luzerne, and State of Pennsylvania, have invented new and useful Improvements 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, in which—

Figure 1 is a perspective view of my invention, with a portion of plate A broken away, and

Figure 2, a section through line *x x*, fig. 1.

The object of this invention is to construct a weather-strip for doors, which, while attached to the threshold, and requiring no change whatever in the construction of the door, shall not alter the shape of the threshold, nor in any way diminish its strength or impair its beauty.

To accomplish this object, I rebate the outer upper edge of the threshold, and fill the space where the wood is removed with a metallic weather-strip, A, so shaped, as, when lying flat, to preserve the original form and dimensions of the threshold.

The plate A is thus slightly inclined, and its lower edge is rounded, while its upper edge is left sharp. At each end it is provided with the projections *a a'*, the lower one extending into a horizontal slot, *e*, and the upper one into a vertical slot, *e'*, in the jamb, or in a plate, B, attached to the jamb.

A lever, B, pivoted at *b*, lies under the upper edge of the plate A, in a slot or chamber in the threshold, made for the purpose.

One end presses up against the upper edge of plate A, while the other is pressed upon by a lever, D, piv-

oted at *d*, and projecting slightly above the threshold, as seen in figs. 1 and 2.

As the door closes, it presses down the lever D, thereby actuating lever B, and throwing the upper edge of plate A up against the under edge of the door, or against the under edge of a horizontal cleat, E', fixed to the door, near its lower edge.

When the door is opened, the weather-strip drops to the position seen in figs. 1 and 2.

It will be observed that the weather-strip, when the door is closed, inclines from under its edge downward and outward, so as to form a perfect water-shed, preventing the rain and snow from driving under the door into the house, or filling up and freezing in the cavity occupied by the two levers.

The whole apparatus is simple, not liable to get out of order, and can be applied to any form of threshold or door at little expense.

Having thus fully-described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The arrangement of the weather-strip A, having the two projections, *a a'*, with the slots *e e'* in the plates B B, attached to the jamb, or in the jamb itself, substantially as herein described and shown.

2. The combination of the strip A, levers B D, and door, when the several parts are constructed and arranged to operate in the manner described and shown, and for the purposes specified.

ELIJAH CARPENTER.

Witnesses:

LEWIS S. WATRES,
DUNCAN WRIGHT.