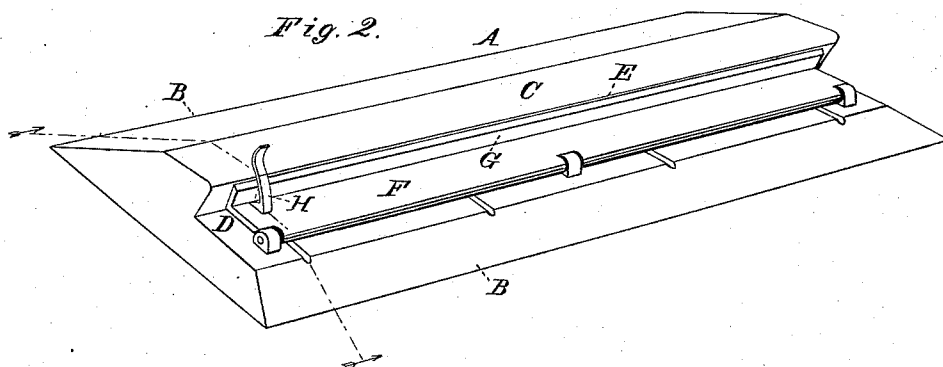
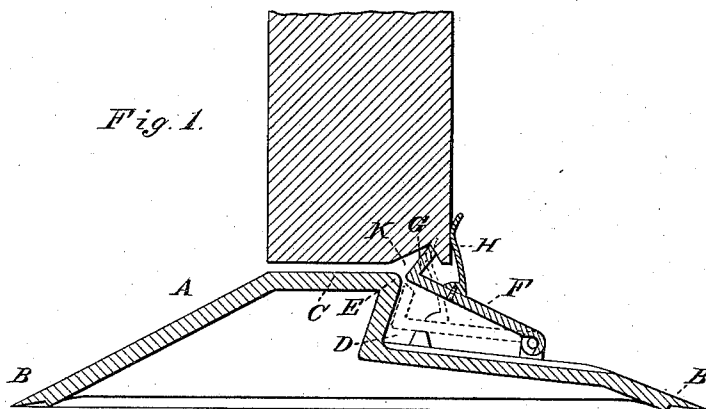


(No Model.)

S. A. KINTNER.
THRESHOLD.

No. 313,742.

Patented Mar. 10, 1885.



WITNESSES

Villette Anderson
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UNITED STATES PATENT OFFICE.

SIMON A. KINTNER, OF NEY, OHIO.

THRESHOLD.

SPECIFICATION forming part of Letters Patent No. 313,742, dated March 10, 1885.

Application filed June 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, SIMON A. KINTNER, a citizen of the United States, residing at Ney, in the county of Defiance and State of Ohio, have invented certain new and useful Improvements in Thresholds; 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. Fig. 2 is a perspective view.

This invention has relation to metallic thresholds; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and pointed out in the appended claim.

In the accompanying drawings, the letter A designates the body of the threshold, which is made of malleable iron, its under side being hollow and having bridges cast across to give strength. The marginal portions of the threshold terminate in acute edges B, adapted to engage the flooring closely, to prevent the entrance of wind, dust, or rain under said threshold. The outer portion of the threshold adjacent to the level middle part, C, which is immediately under the door when closed, is rabbeted to form a recess, D, shouldered at E, in which plays the weather-strip F. This strip is pivoted or hinged at its outer edge to bearings of the threshold, and at the edge next the shoulder E of its seat in the threshold it is provided with an upturned longitudinal flange, G, having usually a beveled edge.

H represents an inclined arm secured to the weather-strip, and projecting upward and inward or toward the door. This arm is located at the end of the weather-strip which is adjacent to the lock-stile of the door, and is adapted to be engaged by the door when the latter is closing in such a manner as to raise the weather-strip to an inclined position, wherein

the edge of its flange G will engage a groove, K, in the lower surface of the bottom rail of the door, forming a tight joint adapted to exclude dust, driving rain or snow, and wind. When the weather-strip is down, the door being open, the edge of the flange G is below the raised middle part, C, of the threshold, so that in sweeping the dust can be carried over the shoulder E from the inside. Grooves or ways are cast in the recess or seat D under the weather-strip, for the escape of water, which may sometimes pass in between the weather-strip and its seat in sweeping water over it.

I am aware that it is not new to construct a threshold so as to have its opposite longitudinal edges terminate in an acute angle, and that it is also not new to groove or recess the under edge of a door to receive the free edge of a pivoted or hinged weather-strip, the same being adapted to lie in a forward longitudinally-recessed portion of the threshold and carry an arm for engaging the door.

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

The combination, with the door having its under edge longitudinally grooved, of the threshold formed from a single piece of metal, having its opposite longitudinal edges terminating in acute angles, and an elevated plain intermediate portion, C, having its outer side provided with a rectangular recess, the weather-strip pivoted at its outer edge to lugs arranged in the horizontal portion of the said recess, and having its inner end turned upwardly and provided with an arm, H, extending over the said upturned edge, and adapted to engage the outer side of the door to bring the upturned edge of the strip into the groove of the door, substantially as specified.

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

S. A. KINTNER.

Witnesses:

JACOB YOUSE,
JOHN M. CALKINS.