(No Model.)

H. J. BEAMS.

COMBINED THRESHOLD AND WEATHER STRIP.

No. 350,102. Patented Oct. 5, 1886.

Fig. 1.

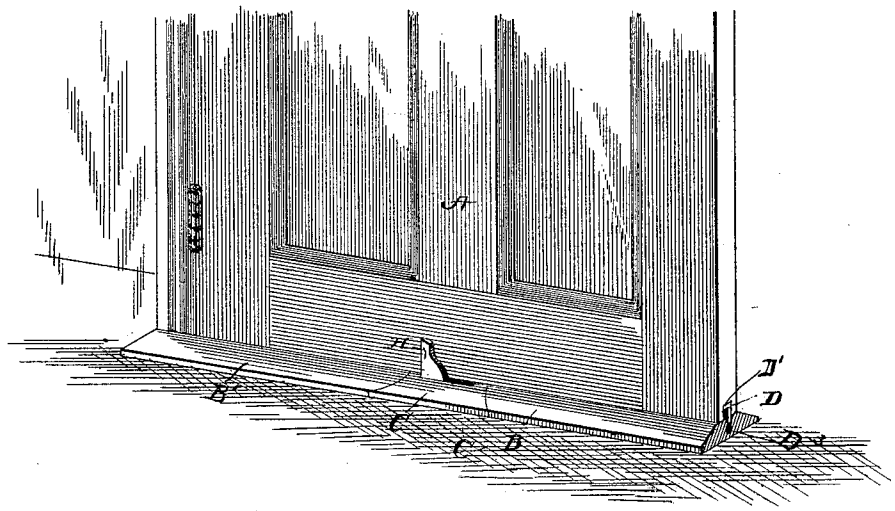


Fig. 2.

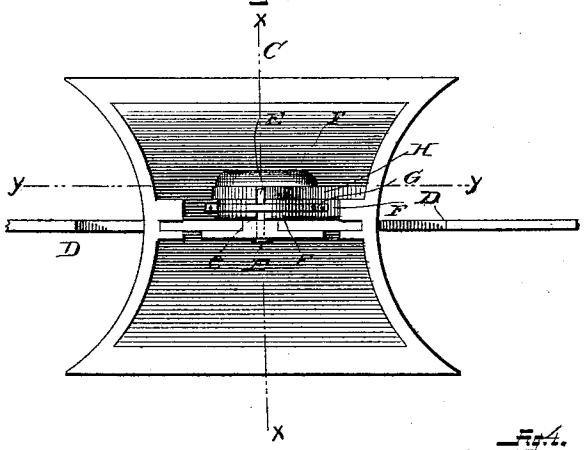


Fig. 3.

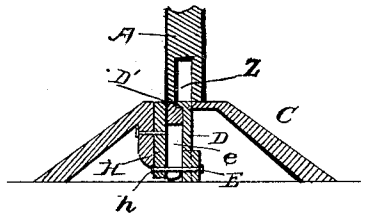
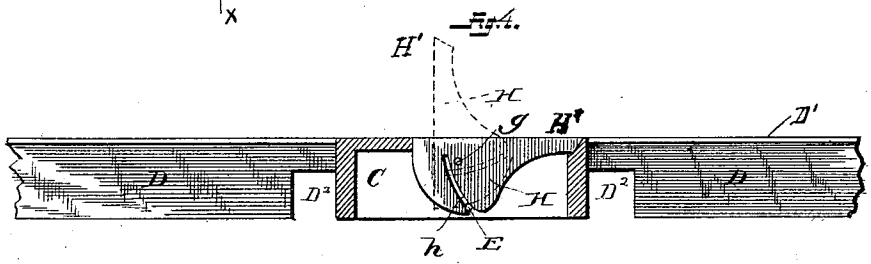


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

HENRY J. BEAMS, OF REYNOLDSVILLE, PENNSYLVANIA.

COMBINED THRESHOLD AND WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 350,102, dated October 5, 1886.

Application filed June 12, 1886. Serial No. 205,012. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. BEAMS, a citizen of the United States, residing at Reynoldsville, in the county of Jefferson and State of Pennsylvania, have invented certain new and useful Improvements in Combined Thresholds and Weather-Strips; and I do hereby 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.

This invention has relation to thresholds, weather-strips, and door-locks combined; and it consists in the construction and novel combination of parts, as will be hereinafter fully described, and particularly pointed out in the claims.

In the accompanying drawings, which form part of this specification, Figure 1 is a perspective view of the lower end of a door with my invention applied. Fig. 2 is a bottom plan view of my weather-strip and door-lock detached from the threshold. Fig. 3 is a transverse section on line *x x* of Fig. 2; and Fig. 4 is a vertical longitudinal section on line *y y* of Fig. 2.

Referring by letter to the accompanying drawings, A designates the door, and B B′ the end portions of the sectional threshold. These end portions, B B′, are shouldered at their outer ends to fit the door-jambs; but this is not an essential feature in the primary construction of the weather-strip, as the shoulders may be cut at the time the weather-strip is to be fitted to the door-frame.

The inner ends of the end portions, B B′, are convex or arc shape, and are designed to fit the concave ends of the middle section of the threshold. All three of the sections, B, B′, and C, are slotted longitudinally in their upper faces along their middle lines, which are in horizontal planes, while their integral sides incline outwardly and downwardly therefrom.

The horizontal guard or weather strip D is flanged along its upper edge at one side, as at D′, and recessed between its ends, as at D^2.

The middle section, C, is provided with integral brackets F F, one of which has a straight vertical slot, *e*, which serves as a guide for the laterally-projecting rod or pin E when the guard-strip D is raised or lowered, and the metallic guard G prevents the accidental removal of the pin E from said slot. The cam H is extended on one side to form a handle, H′, is provided with an arc-shaped slot, *h*, and is supported between the brackets F F on a pin, *g*, which forms a fulcrum therefor. In the slot *h* works a laterally-projecting pin, E, which is secured to and controls the raising and lowering of the guard-strip D.

When the door is closed by raising the cam-lever H, the guard or weather strip D is thrown into the groove Z in the bottom edge of the door, thus making an effectual guard against the entrance of wind, snow, or rain, and at the same time securely locking the door on the inside.

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

1. A sectional threshold, the adjacent ends of which are provided with interlocking portions and a longitudinal slot, in combination with a vertically-adjustable guard, substantially as described.

2. A sectional threshold, the middle section of which is provided with concave ends and the outer section with convex inner ends, and a longitudinal slot extending throughout all of the sections, in combination with a vertically-adjustable weather-guard, substantially as described.

3. A threshold having a longitudinal slot, in combination with a vertically-adjustable weather-guard having a flange on the upper edge thereof and a lever pivotally secured thereto for raising and lowering the same, substantially as described.

4. The combination, with the longitudinally slotted and grooved end sections, B B′, of the middle section, C, with the integral brackets F F, one having groove *e*, the pivoted cam-lever H, having the integral handle H′ and the slot *h*, for receiving the rod E, and the guard or weather strip D, having flange D′ and recesses D^2, substantially as specified.

5. The combination, with the door-frame and the door having the longitudinally-grooved lower edge, Z, of the sectional threshold with the longitudinal middle slots, the flanged and recessed guard or weather strip D, the brackets F F, having a guard, G, and the slotted cam H, swinging or pivoted on pin *g*, substantially as specified.

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

Witnesses: HENRY J. BEAMS.
FLEMING Y. CALDWELL,
THOMAS J. COOPER.