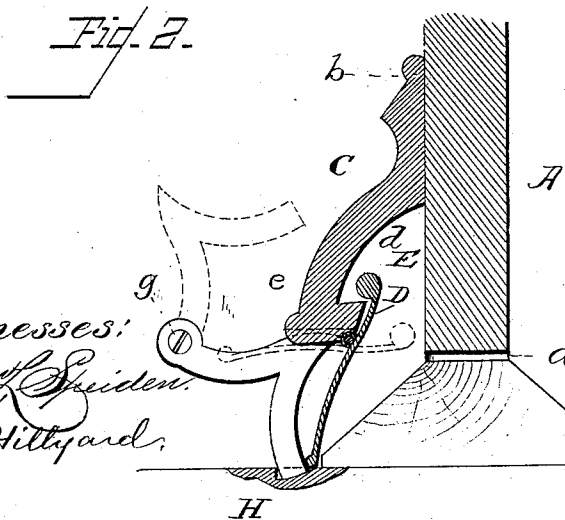
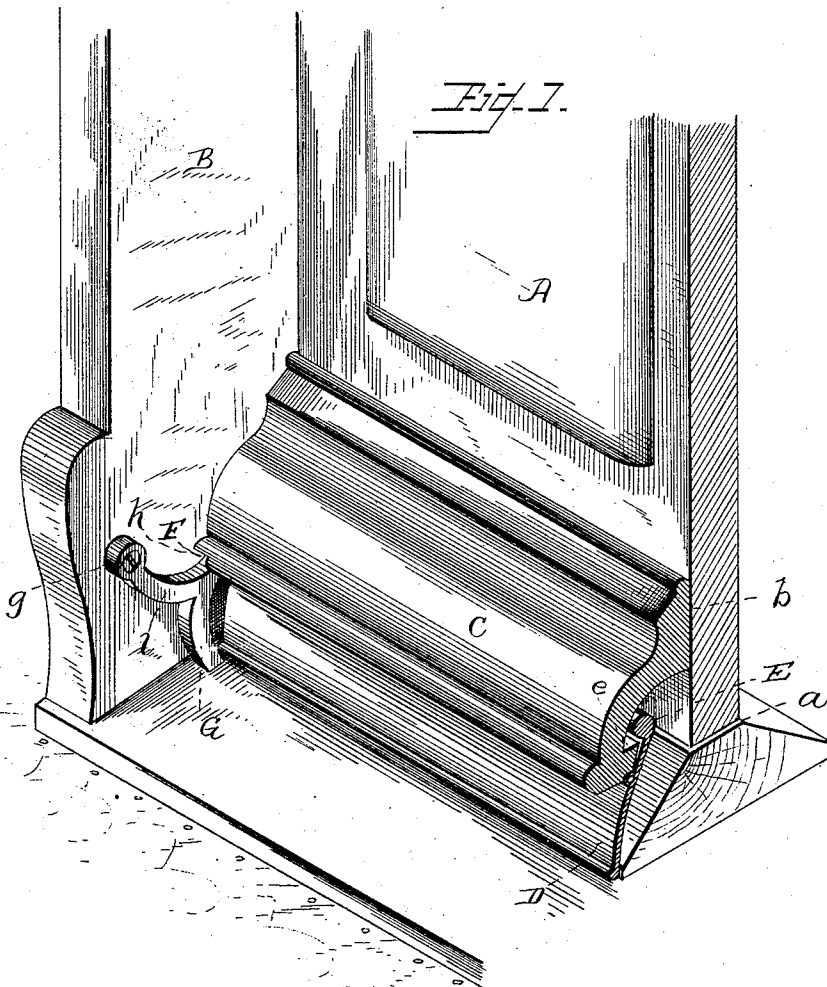


(No Model.)

S. J. GARD & J. ZARUBA.
WEATHER STRIP.

No. 310,406.

Patented Jan. 6, 1885.



Witnesses:
"M. E. Spiden."
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UNITED STATES PATENT OFFICE.

STEPHEN J. GARD AND JAROSLAV ZARUBA, OF GOSHEN, IOWA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 310,406, dated January 6, 1885.

Application filed July 19, 1884. (No model.)

To all whom it may concern:

Be it known that we, STEPHEN J. GARD and JAROSLAV ZARUBA, citizens of the United States, residing at Goshen, in the county of Ringgold and State of Iowa, have invented certain new and useful Improvements in Weather-Strips and Door Attachments, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention has relation to improvements in weather-strips and means for operating the same; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claims appended.

The object of our invention is to provide a weather-strip which will be self-gravitating, so as to have the same automatically raise to a level or slightly above the lower edge of the door, the same being so arranged as to engage a cam secured to one of the walls of the door-frame to move or throw the strip down when the said door is brought to a close. This object we accomplish by the means shown and illustrated in the accompanying drawings, in which—

Figure 1 is a representation of a perspective of a portion of a door-frame and door, showing our invention applied; and Fig. 2 is a vertical cross-sectional view of the same.

Referring by letter to the said drawings, A indicates a door, and B a door-frame, which may be of any ordinary or approved construction, the door being preferably a little short in height, so as to leave an interspace, *a*, between the threshold and the lower horizontal edge of the door.

C indicates the molding or cap strip, which may be of any ornamental design on its exterior surface, and secured by its rear vertical side, *b*, at a sufficient height from the lower horizontal edge of the door upon its outer face. This cap-strip C is provided with a longitudinal recess, *d*, for the reception of the weighted end of the weather-strip D, and the lower end of the cap-strip may be provided with a lower horizontal rearward extension, *e*, to which the weather-strip is hinged.

The weather-strip we have illustrated as

being made of sheet metal, having its inner end weighted, as shown at E. It may, however, be made of wood and work equally as well as those made of metal; but, owing to the slender contour, cheapness, and durability, we have preferred to construct them of metal, which may be galvanized or otherwise coated, to prevent corrosion or rusting.

F indicates a cam or V-casting, which is provided at the outer end of one of its branches with an eye, *g*, by which the same may be pivotally connected to one of the inner side walls of a door-frame, as shown. One end of the cap-strip may be provided with an under transverse recess, *h*, to engage the branch *i* of the casting, the branch *G* being designed to engage the weather-strip D, and may enter a recess in the doorway, as H. By this construction it will be observed that in some seasons of the year, when it is desirable to close the door without shutting out the cool air, the cam F may be thrown up, as shown in dotted lines, Fig. 2, and the door securely closed without closing the interspace *a* beneath it. Another advantage of this construction is, that when the door is open the weather-strip will be held in a raised position, so as to permit the entrance of a broom beneath it in sweeping a floor.

We are aware that it is not new to provide a door-frame with an adjustable stop for engaging a weather-strip, the said stop being adapted to allow the door to close without engaging its strip, and that it is not new to hinge a weather-strip weighted at its inner end to a cap-strip in such a manner as to leave an opening beneath the door when the latter is not tightly closed, and therefore do not claim such devices, broadly.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. As an improvement in weather-strips, the combination, with the door, of the cap-strip C, having the rear longitudinal recess, *d*, and at its lower edge the rear extension, *e*, the weather-strip D, of flat contour, hinged thereto and weighted at its inner end, and the pivoted cam F, adapted to engage the said

strip and be moved therefrom, substantially as specified.

2. As an improvement in weather-strips, the combination, with a door and door-frame, of the cam F, pivoted to the door-frame, as shown, and adapted to engage a hinged weather-strip, and serve an additional function of allowing the door to close without engaging the strip, substantially as and for the purposes specified.

In testimony whereof we affix our signatures in presence of two witnesses.

STEPHEN J. GARD.
JAROSLAV ZARUBA.

Witnesses:

BOHUMIL ZARUBA,
WILLIAM M. BRADLEY.