A. W. COMSTOCK.
Weather-Strip.

No. 200,177. Patented Feb. 12, 1878.

Fig. I.

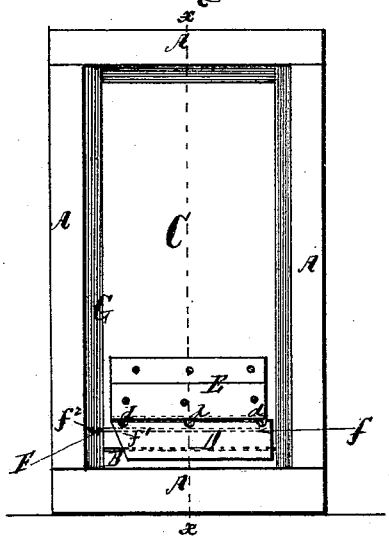
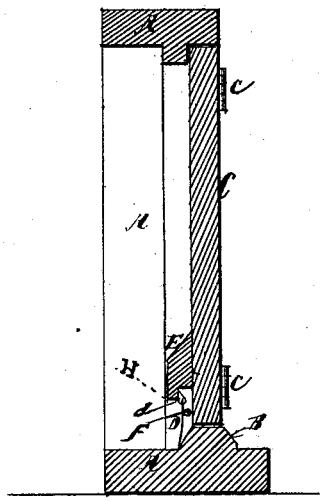


Fig. II.



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UNITED STATES PATENT OFFICE.

AUSTIN W. COMSTOCK, OF MOUNT PLEASANT, IOWA.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **200,177**, dated February 12, 1878; application filed January 16, 1877.

To all whom it may concern:

Be it known that I, AUSTIN W. COMSTOCK, of Mount Pleasant, in the county of Henry, State of Iowa, have invented a new and useful Improvement in Weather-Strips, of which the following is a full and clear description, reference being had to the accompanying drawings, forming a part of this specification.

Figure 1 in the drawings is an outside view of a door and door-frame, showing my improved weather-strip attached thereto. Fig. 2 is a sectional view taken on line *x x*, Fig. 1.

The object of my invention is to produce a self-adjustable weather-strip for doors and door-sills.

My invention consists in hinging a metallic strip to an adjustable piece of molding, to be attached to the door by screws or otherwise, with a metal spring to be attached either to the door or the adjustable molding. The spring is so attached that the end projects out past the end of the metallic strip. The spring, when the door is open, throws the metallic plate up, so that the door will swing free. On closing the door, the projecting end of the spring comes in contact with the door-stop, thus forcing it back, and letting the metallic plate fall on the door-sill on the outside, thus closing the opening. On opening the door the spring is set at liberty, and the plate is thrown up out of the way.

This strip is fastened to the outside of door, so that when the door is opened the metallic plate is thrown out of the way of sill or carpet.

In order to more fully describe my invention I will refer to the drawings, in which—

A represents a door-frame; B, the sill; C, the door, with hinges *c c*. D is the metallic plate, hinged at *d d* to the door, or to the support and rest E. F is the spring, fastened at *f* to the door, and resting against the metallic plate D at f^1. The end f^2 of the spring F projects some distance out from the end of the metallic plate D. (See Fig. 1.) The object hereof is to cause the said spring to strike against the strip G of the door-frame A when the door is closed.

The said metallic plate may, if so desired, be covered with india-rubber.

Having thus described my invention, I claim—

The combination, with the jamb, the door, and molding, having a rabbet and applied to the door so as to form a groove, *h*, to receive the upper portion of the strip above the lower edge of the door, of a spring, F, attached to the door or molding, and projecting beyond the edge of the door, whereby the strip shall completely cover the crack under the door, and it shall be lifted and held in such position by the spring when the door is opened, and permitted to fall of its own weight when the door is closed.

AUSTIN W. COMSTOCK.

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