

(No Model.)

B. F. HIGGINS & A. SKINNER.
WEATHER STRIP.

No. 420,067.

Patented Jan. 28, 1890.

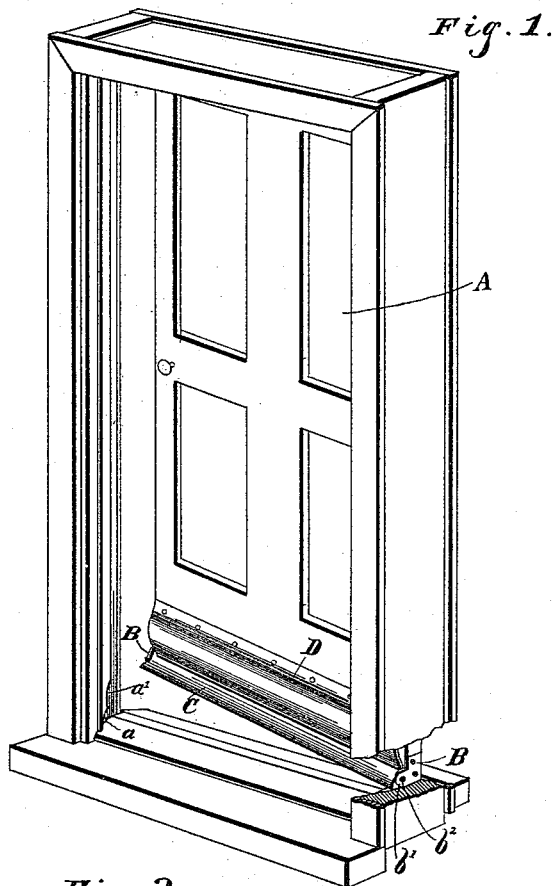
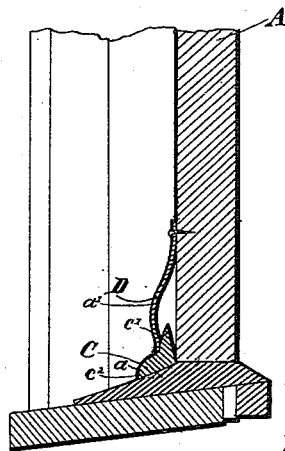


Fig. 2.



Witnesses,

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By their Attorneys,

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UNITED STATES PATENT OFFICE.

BENJAMIN F. HIGGINS AND AMOS SKINNER, OF OSWEGO, KANSAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 420,067, dated January 28, 1890.

Application filed July 27, 1889. Serial No. 318,895. (No model.)

To all whom it may concern:

Be it known that we, BENJAMIN F. HIGGINS and AMOS SKINNER, citizens of the United States, residing at Oswego, in the county of Labette and State of Kansas, have invented a new and useful Weather-Strip, of which the following is a specification.

The invention relates to improvements in weather-strips.

The object of the present invention is to simplify and improve the construction of hinged weather-strips and render them more durable.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

Figure 1 is a perspective view of a door provided with the improved weather-strip. Fig. 2 is a longitudinal sectional view showing the position of parts when the door is closed.

Referring to the accompanying drawings, A designates a door, which is provided at its side edges at the lower end with plates B, which lie flush with the bottom of the door, and which extend outward and have pivoted between them a weather-strip C, which is adapted when the door is closed to lie flat against the inclined side of the sill. The plates are constructed of suitable metal, and are preferably secured to the door by screws, and are provided in their ends b' with openings b^2 , through which pass screws, by means of which the strip is pivoted to the plates C.

The strip C is approximately L-shaped, and has its upper portion c' , which is above the pivotal point, engaged by a spring plate or guard D and normally held vertical, the other portion c^2 of the strip C extending out horizontally.

The guard D is constructed of sheet metal and has its upper edge secured to the door above the strip C, and the lower portion of the guard is bulged out and the free edge thereof bears against the upper portion c' of the strip.

When the door A is closed, the weather-

strip engages inclined edges a of the door-frame, which forces it tightly down upon the threshold. The door-frame is provided upon both sides with recesses a' to receive the bulged-out portion of the guard D.

From the foregoing it will clearly be seen that in weather-strips constructed in accordance with this invention the guard itself serves as the spring to hold the strip, which makes a very simple and inexpensive construction, adapted to be readily secured to a door.

What we claim is—

1. A hinged weather-strip comprising the plates designed to be secured to a door and have lower edges lying flush with the lower horizontal edges of the door and provided with outward-extending ends b' , the strip pivoted between the plates and adapted when the door is closed to lie flat against the inclined side of a sill, and a guard constructed of spring metal and extending across the front of the door near the bottom and adapted to bear against the upper portion of the weather-strip above the pivotal point to press the same against the door, substantially as described.

2. The combination, with an ordinary door, of the plates B, secured to the side edges of the door and lying flush with the horizontal bottom edge and projecting outward, the strip pivoted between the plates and adapted when the door is closed to lie flat against the inclined side of a sill, and the guard constructed of suitable spring metal and secured to and extending across the door above the strip and having its free edge bearing against the latter above the pivotal point to press the same to the door, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

BENJAMIN F. HIGGINS.
AMOS SKINNER.

Witnesses:

H. C. DRAPER,
L. BAKER.