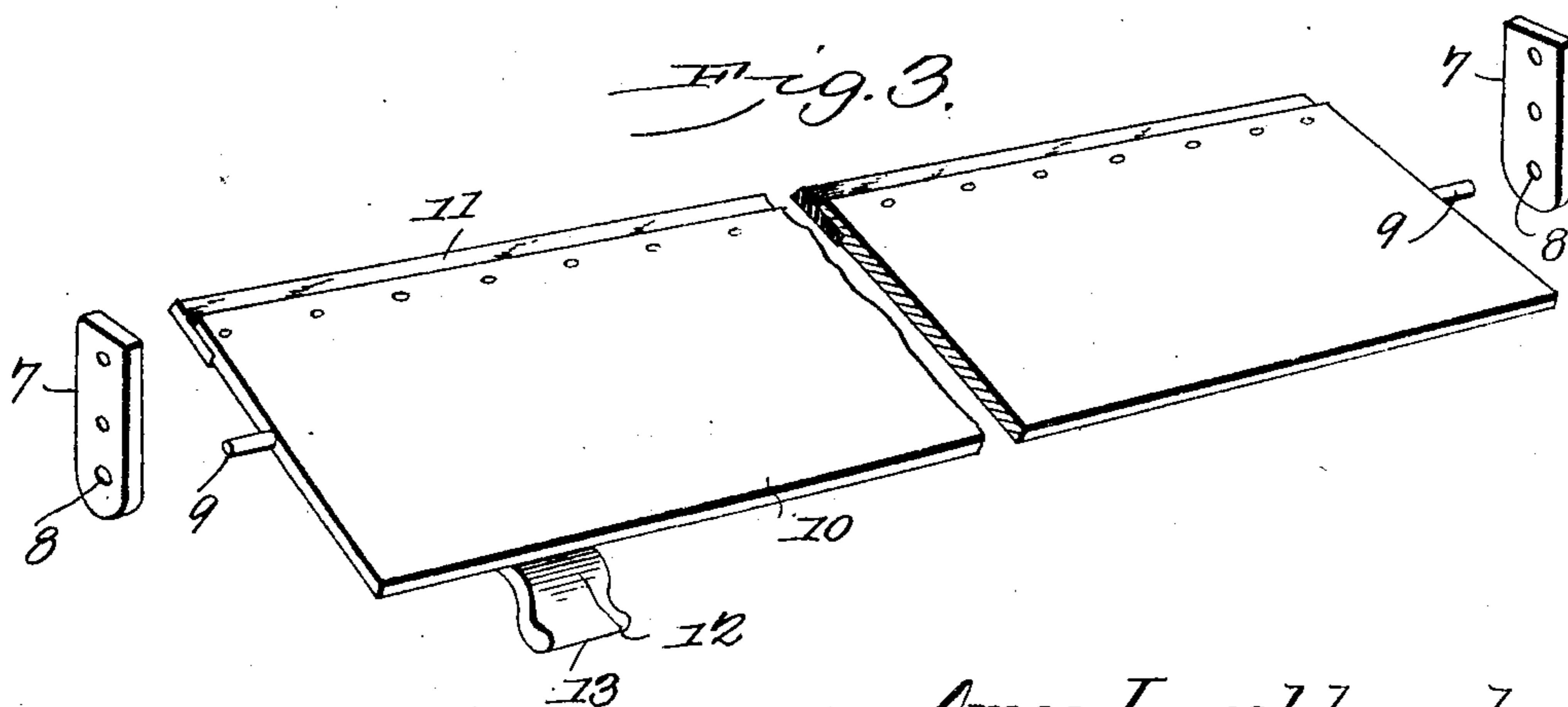
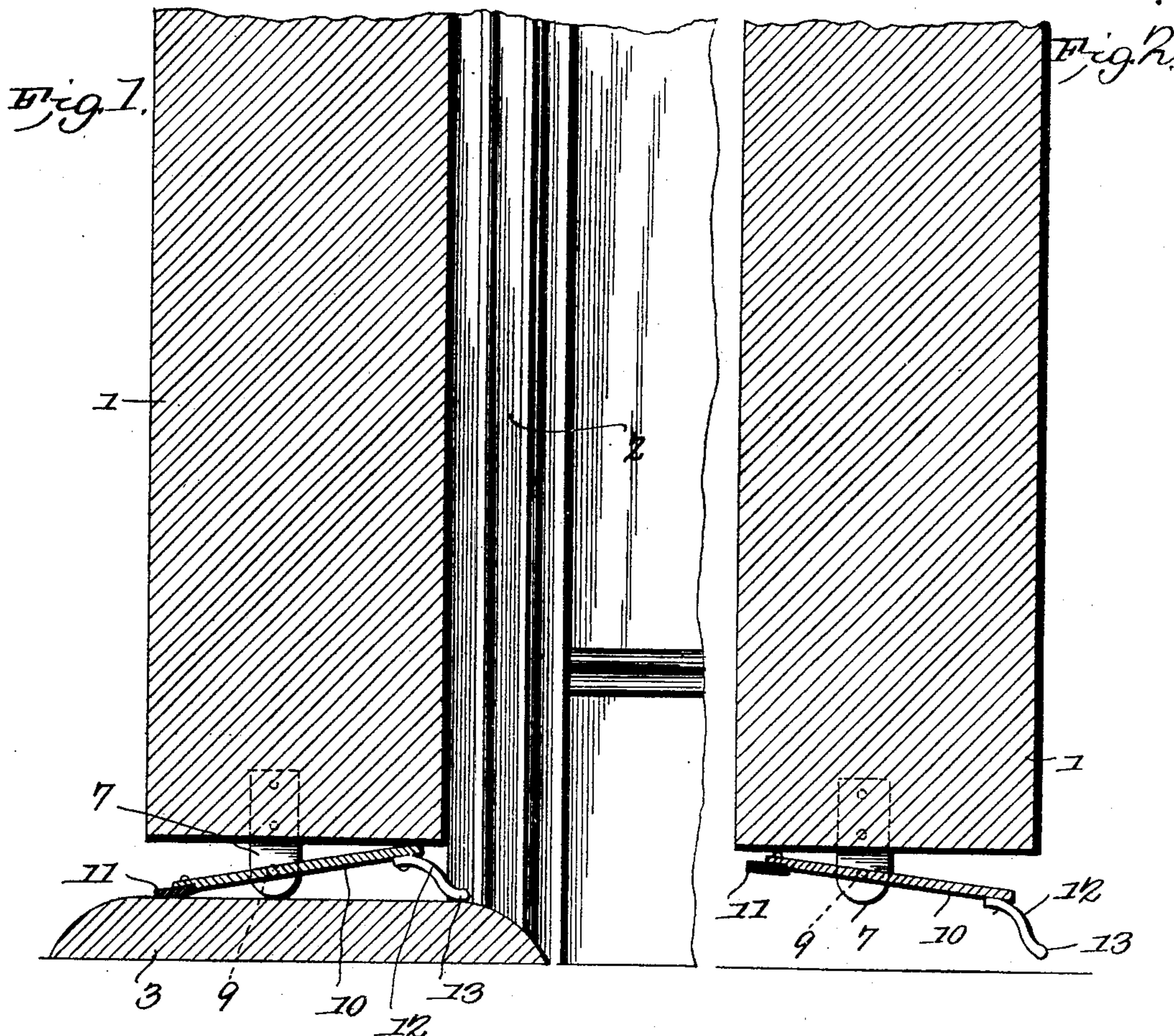


No. 796,742.

PATENTED AUG. 8, 1905.

A. LORSHBOUGH.
WEATHER STRIP.
APPLICATION FILED MAY 31, 1904.



Witnesses

E. J. Stewart
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UNITED STATES PATENT OFFICE.

AMOS LORSHBOUGH, OF HAMMERSLEY FORK, PENNSYLVANIA.

WEATHER-STRIP.

No. 796,742.

Specification of Letters Patent.

Patented Aug. 8, 1905.

Application filed May 31, 1904. Serial No. 210,550.

To all whom it may concern:

Be it known that I, AMOS LORSHBOUGH, a citizen of the United States, residing at Hammersley Fork, in the county of Clinton and State of Pennsylvania, have invented a new and useful Weather-Strip, of which the following is a specification.

My invention relates to weather-strips designed especially for application to and operation upon the lower edge of a door or the like, and has for its objects to produce a comparatively simple inexpensive device of this character which may be readily applied and will in practice be positively moved to active or inactive position upon the closing or opening of the door.

To these ends the invention comprises the novel features of construction and combination of parts more fully hereinafter described.

In the accompanying drawings, Figure 1 is a vertical sectional elevation illustrating my improved strip applied to a door and the latter in closed position. Fig. 2 is a similar view showing the door partly open. Fig. 3 is a perspective view of the weather-strip removed from the door.

Referring to the drawings, 1 designates the door, 2 the frame or casing therefor, and 3 the lower rail or sill over which the door rides when in closed position, these parts being of the usual or any appropriate construction and material.

In accordance with my invention I attach to the side edges of the door 1, adjacent to its lower end, bearing members or plates 7, which depend or project slightly beneath the lower edge of the door and have suitable bearing-openings 8, which receive the pivoting axle or axles 9 of my improved weather-strip 10, whereby the latter will in practice have free transverse rocking movement.

The strip 10, which is composed, preferably, of sheet metal, has one of its longitudinal edges rabbeted, as shown, for the reception of a supplemental bearing-strip 11 of rubber or other soft flexible material. Riveted or otherwise fixed to or provided upon its sheet-metal portion 10 is an actuating member or shoe 12, disposed transversely of and projecting outward from the strip, this member being downwardly curved or deflected, as shown, to ride at its outer end 13 upon the sill 4

when the door is moved to open or closed position. The shoe 12 by reason of its weight also serves to overbalance the weather-strip, so as to cause the active edge thereof to be normally elevated out of contact with the ground, as clearly shown in Fig. 2 of the drawings.

In practice as the door moves to closed position the deflected end 13 of the actuating member in riding upon the sill serves to rock the weather-strip transversely and press its normally inner active edge into contact with the sill, thereby effectually closing the space between the latter and the adjacent edge of the door and preventing the passage of air between the parts. When, however, the door moves to open position, the member 12 in riding upon the sill will rock the strip in the reverse direction sufficiently to permit free movement of the door and will after it has passed beyond the sill act through gravity to maintain the strip in its inactive position until the door is again closed.

From the foregoing it will be seen that I produce a simple device admirably adapted for the attainment of the ends in view, it being understood that minor changes may be made therein without departing from the spirit of the invention.

Having thus described the invention, what is claimed is—

The combination with a door and its sill the former being provided with a smooth continuous bottom edge, of supporting-brackets secured to the opposite side edges of the door, a weather-strip pivotally connected with the bottom of the door and entirely concealed thereby, said strip being formed of a flat rectangular plate having one longitudinal edge thereof rabbeted for the reception of a supplemental bearing-strip and its central portion spaced from the door to permit free rocking movement, aligned trunnions secured to the opposite ends of the weather-strip and disposed to one side of the longitudinal axis of the latter, the rabbeted edge of said strip being adapted to engage the sill when the door is closed with the opposite longitudinal edge thereof in contact with the bottom of the door throughout its entire length, and a transversely-disposed operating-shoe secured to the bottom of the strip

at the rear thereof and having a downwardly-deflected portion adapted to ride over the sill for moving the strip to active position, said shoe serving by its weight to normally elevate the active edge of the strip out of contact with the ground when said door is open.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in the presence of two witnesses.

AMOS LORSHBOUGH.

Witnesses:

MILLIE A. BOTSFORD,

FLORENCE G. HERMAN.