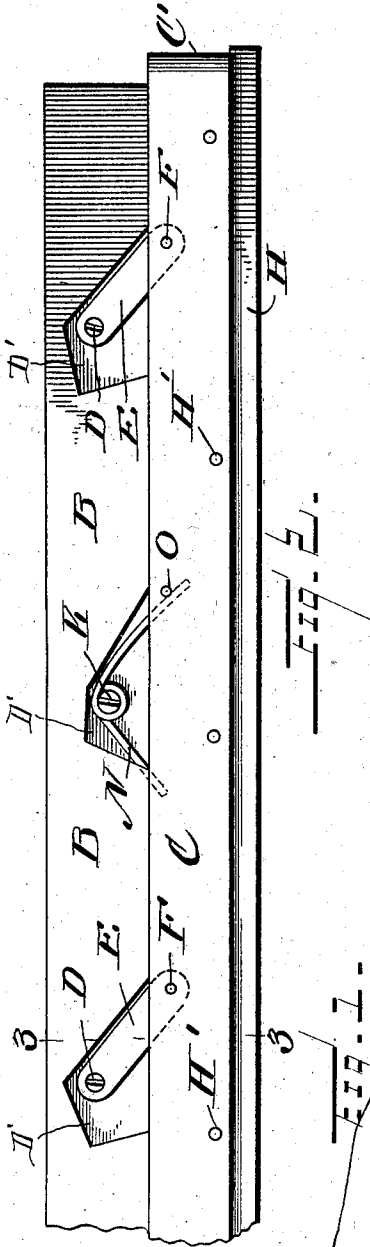
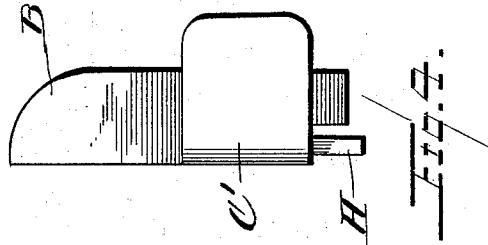
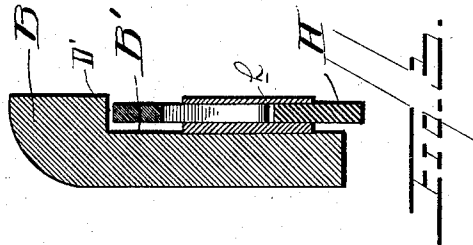
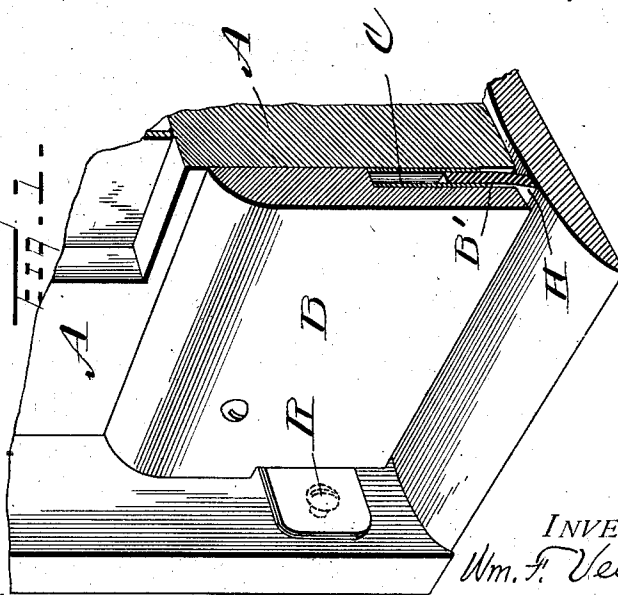


No. 746,416.

PATENTED DEC. 8, 1903.

W. F. VEBER.
WEATHER STRIP FOR DOORS.
APPLICATION FILED OCT. 1, 1903.

NO MODEL.



WITNESSES:

Wm. F. Veber
A. L. Hough

INVENTOR

Wm. F. Veber,

BY
Franklin H. Hough
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM F. VEBER, OF BOWLING GREEN, OHIO.

WEATHER-STRIP FOR DOORS.

SPECIFICATION forming part of Letters Patent No. 746,416, dated December 8, 1903.

Application filed October 1, 1903. Serial No. 175,337. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. VEBER, a citizen of the United States, residing at Bowling Green, in the county of Wood and State of Ohio, have invented certain new and useful Improvements in Weather-Strips for Doors; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in weather-strips for doors, windows, &c., and comprises a sliding spring-actuated member comprising two metallic strips which are spaced apart and adapted to clamp a piece of flexible material which is adapted to be held snugly against the threshold of a door or the sill of a window as the same is closed.

More specifically the invention comprises a recessed strip which is adapted for attachment to the edge of a door or window and having a member comprising two metallic strips spaced apart and clamping a piece of flexible material and in the provision of pivotal links mounted upon pins carried in recesses and connected to the metallic strips, while a spring is provided for normally throwing the metallic strips back against a shouldered portion of the recessed strip, while corresponding ends of the metallic strips are bent at an angle and serve as an abutment which is designed to contact with an adjustable screw held by the jamb of the door or window, whereby the force with which the weather-strip is to bear against the threshold or sill is regulated.

The invention consists, further, in various details of construction, combinations, and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a portion of a door, showing my improved weather-strip applied thereto. Fig. 2 is a side elevation of the recessed board which carries the weather-

strip. Fig. 3 is a cross-sectional view on line 3 3 of Fig. 2, and Fig. 4 is an edge view of the end of the strip.

Reference now being had to the details of the drawings by letter, A designates a door hinged to a suitable jamb, and B designates a board which is recessed on its inner face, as at B', and C is a weather-strip-clamping member, made up, preferably, of two pieces of metal which have their ends bent, as at C', at an angle from the end of said board. When said clamping member is adjusted in place, its outer face is flush with the recessed face of the board. Pins D are mounted upon said board and in the offsets D' from said recesses, and links E are pivotally mounted upon said pins at their upper ends, while the lower ends are pivotally mounted upon pins F, which are held in apertures in the metallic clamping-strips C. Said metallic strips C clamp a flexible weather-strip H, the latter being held between the metallic strips by means of rivets H', while a space $\frac{1}{2}$ intervenes in the rear of the weather-strip and the upper edges of the board sufficient to allow the links to have play therein. Intermediate the links is mounted a pin K in an offset from said recess, and a spring N is coiled about said pin K, one end of which engages the edge of the offset in said recess, while its other end bears against a pin O, mounted in apertures in said strip C. The office of said spring is to normally hold the member which has two metallic weather-strip-clamping pieces against the shoulder of said recess when the door or window equipped with my improved apparatus is not in use.

R designates an adjusting-screw which is adapted to be held in the jamb of a door or window, and the head of said screw is designed to be in the path of the clamping member C, whereby as the door carrying the latter swings into a closed relation said angled end will contact with the head of the screw and cause the weather-strip to be pushed slightly longitudinally and downward, which will cause the flexible weather-strip to snugly bind against the sill of the door. By adjusting said screw it will be observed that the weather-strip may be held lightly or with considerable pressure against the threshold of said sill, and when the door is opened the

spring will return the weather-strip to its raised position.

From the foregoing it will be observed that by the provision of a weather-strip embodying the features of my invention the operative parts are housed and protected from the elements, while the device is automatic in its action and affords a tight fit against the threshold of the door and binds the latter sufficiently to prevent its rattling.

While I have shown a particular construction of weather-strip embodying the features of my invention, it will be understood that I may make alterations, if desired, in the detailed construction of the device without departing from the spirit of the invention.

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

A weather-strip comprising in combination with a door, a board recessed on one face thereof and adapted to be held to said door, a clamping member comprising two metallic

strips and a flexible weather-strip held between the same, the corresponding ends of said metallic strips being bent at an angle over one end of said board, pins carried in offsets in said recess, links pivotally mounted upon said pins at their upper ends, pins carried by said metallic strips upon which the lower ends of the links are pivoted, a spring, one end of which bears against the wall of said recess, a pin carried by the metallic strips and engaged by one end of said spring, said spring and links having play in the space between the strips, and an adjustable screw adapted to be screwed to the jamb of the door and in the path of the angled ends of the clamping member, as set forth.

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

WILLIAM F. VEBER.

Witnesses:

CLAYTON S. ROGERS,
GEORGE L. CARMACK.