

J. W. BROWNE.
Weather Strip.

No. 232,387.

Patented Sept. 21, 1880.

Fig. 1.

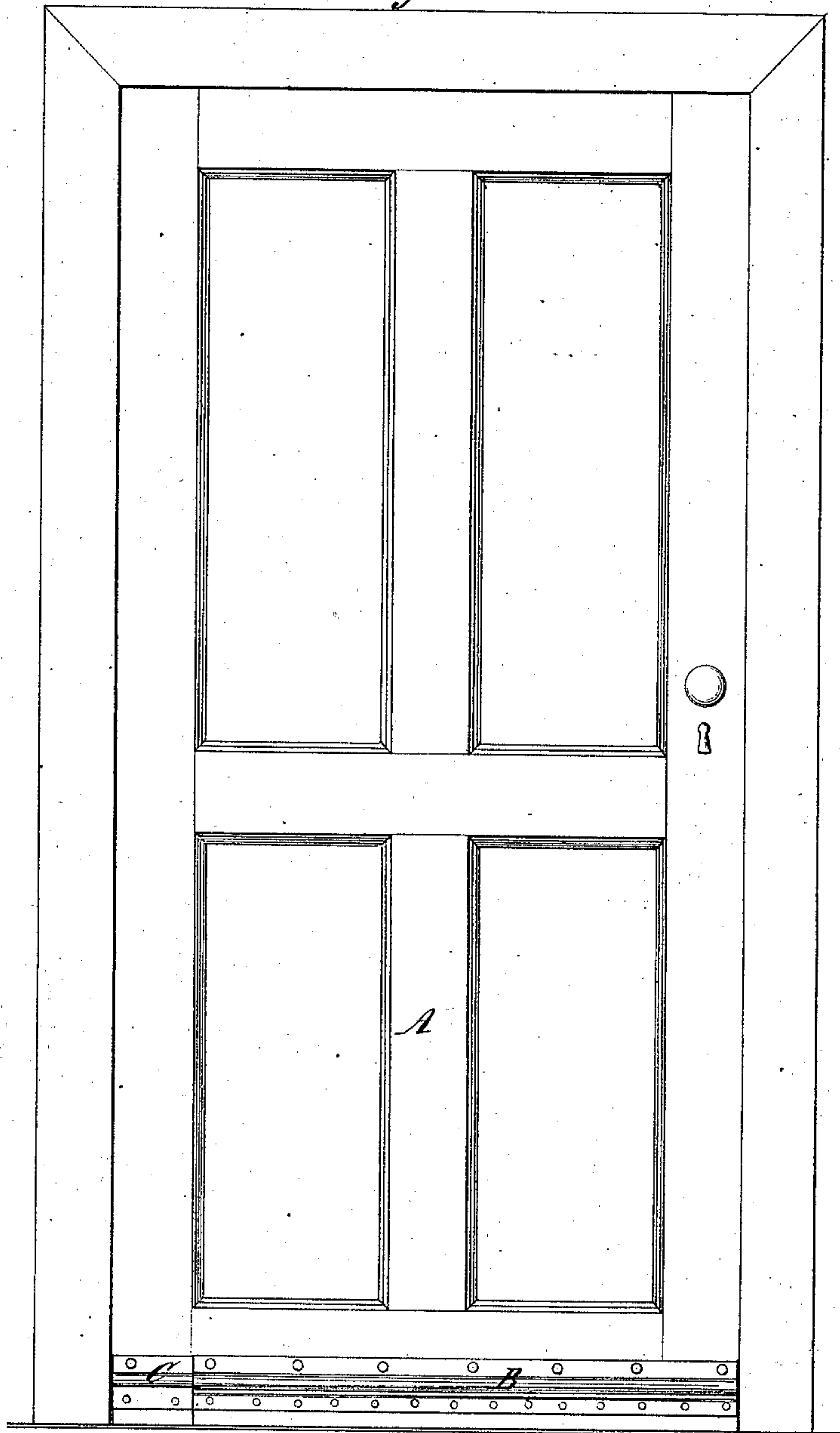
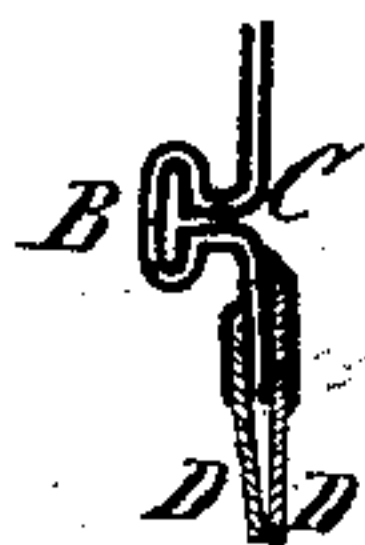


Fig. 2.



Witnesses:

S. J. McQuigall
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Inventor.

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UNITED STATES PATENT OFFICE.

JAMES W. BROWNE, OF BROOKLYN, NEW YORK, (BRIDGET BROWNE,
ADMINISTRATRIX.)

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 232,387, dated September 21, 1880.

Application filed June 7, 1876.

To all whom it may concern:

Be it known that I, JAMES W. BROWNE, of the city of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates more particularly to weather-strips to be applied to the bottom of doors; and it consists in the construction and combination of two or more pieces or sections of weather-strips, one moving over or beneath the other in grooves or beads arranged for the purpose, and forming an extension or expanding weather-strip which will fit any width of door, as hereinafter more fully set forth.

In the annexed drawings, Figure 1 shows the weather-strip applied—a front view. Fig. 2 is a cross-section.

A, Fig. 1, represents a door with the extension weather-strip applied at the bottom. B represents the main weather-strip. C shows the extension-piece drawn from beneath the main weather-strip B and extending the full width of the door.

Fig. 2 shows two sections of the weather-strip, the main strip, and the extension marked B and C, and they are constructed of metal or other suitable material. On one edge is fastened a strip of rubber, felt, or other elastic or yielding material, as shown at D, Fig. 2. Near the center of the strip, in one section, is a groove, and in the other a bead fitting into the said groove, and allowing one section to slide over or beneath the other, as shown at Figs. 1 and 2. A slot and pin can be used to guide the two sections in place of the bead and groove.

Operation: Apply the weather-strip to the bottom of the door, as shown in Fig. 1, by placing the flat side against the door; then draw out the under or extension piece to the full width of the door, allowing the elastic edge of the weather-strip to rest on the sill or floor the whole length; then screw or nail it on the door, as shown at Fig. 1.

It is best applied to the inside of the door,

but can be applied to the outside, also to windows, the same as other strips.

In opening and closing the door the elastic strip on the bottom of the weather-strip will adjust itself to the irregularities of the sill or floor, and thereby exclude cold, dust, and rain.

The advantages of this weather-strip over all others in use are, first, it is adjustable to any width of door; second, it can be removed from one door to another of a different width; third, it is an article of merchandise finished and on sale by merchants, and can be applied by any one capable of driving a nail or screw, and does not require a mechanic to fit and adjust it.

The door-strips heretofore in use are made in lengths of ten to twelve feet, and require cutting and adjusting to the width of each door they are applied to, and if removed they are useless unless applied to the same width of door, which would be difficult to find, owing to the great variety of doors in use. This objection to the old style of strip makes it a specialty, requiring mechanics to cut and adjust them.

The above objections are entirely removed in my invention, as it requires but one or two sizes to meet all requirements.

I am aware that weather-strips have been made both of wood and metal having elastic edges, and nailed or screwed on under the casings of windows and doors. This I do not claim.

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

1. A weather-strip constructed of two or more sections having an elastic edge and beaded and grooved near their center, substantially as described.

2. An adjustable weather-strip constructed of metal or other material beaded and grooved, or its equivalent, so as to allow one section to pass over or beneath the other, in combination with a door or window, substantially as described.

J. W. BROWNE.

Witnesses:

S. T. McDOUGALL,
JACOB DUBOIS.