

J. V. BEAVERS.
Weather-Strip.

No. 217,573.

Patented July 15, 1879.

Fig. 1

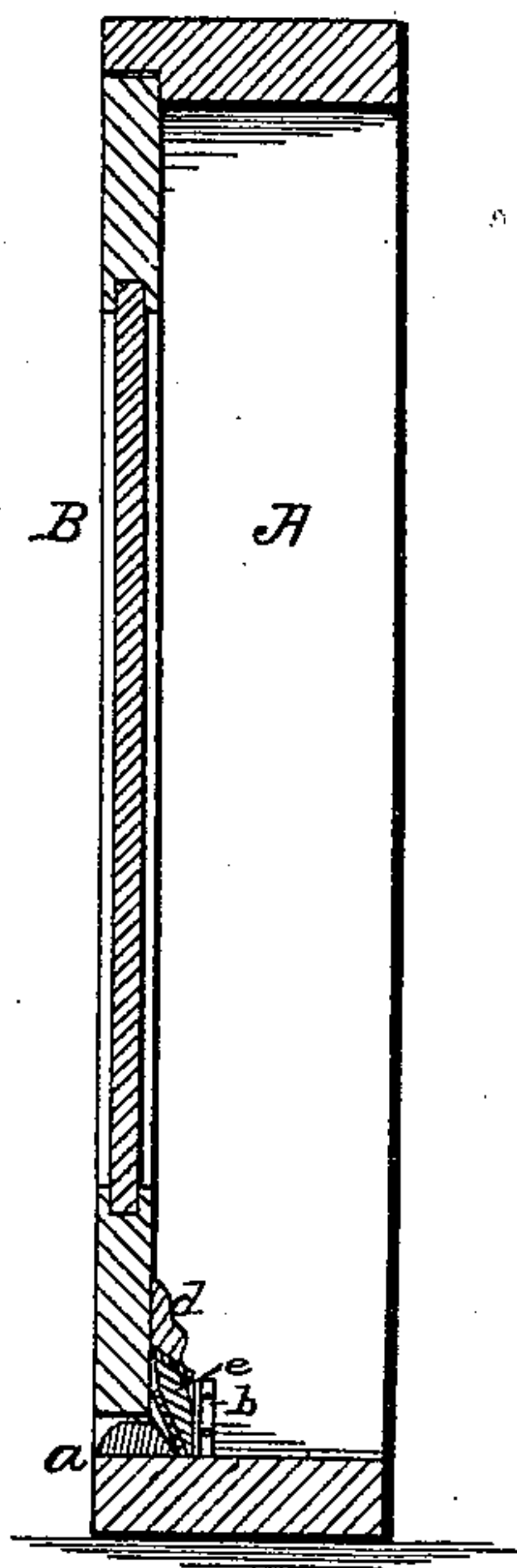
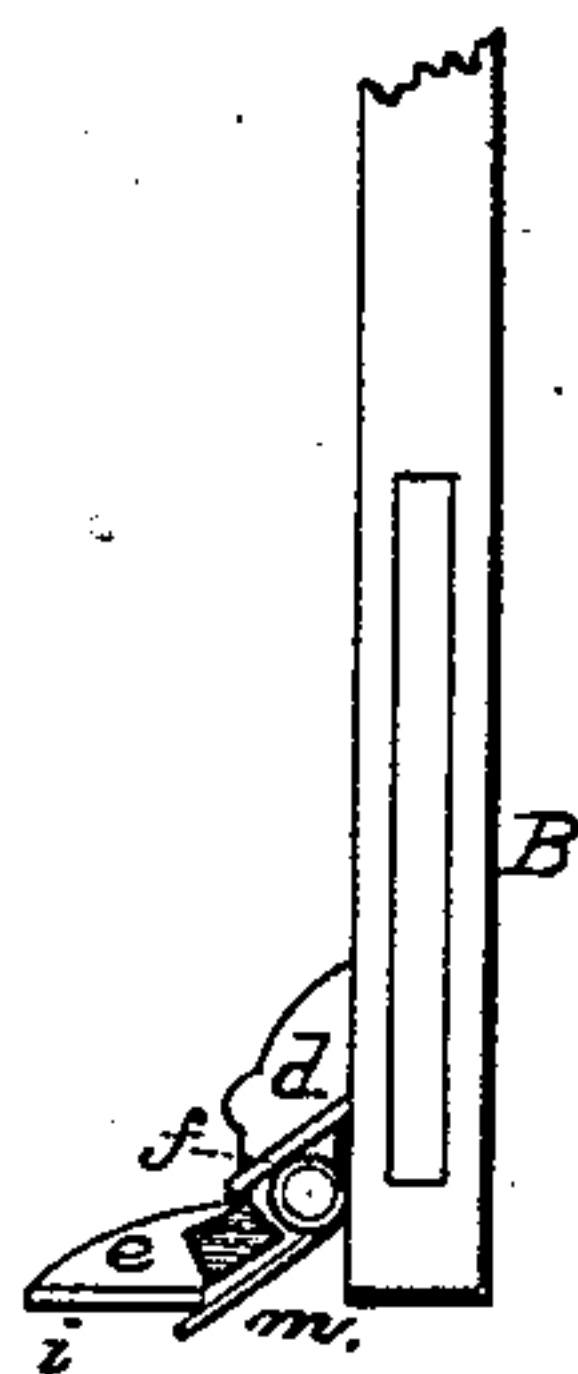


Fig. 2



WITNESSES =

Chas. B. Gill

Geo. C. Appell

INVENTOR =

Jeremiah V. Beavers

By his Atty

Cox and Cox

UNITED STATES PATENT OFFICE.

JEREMIAH V. BEAVERS, OF MOUNT SUMMIT, INDIANA.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **217,573**, dated July 15, 1879; application filed February 8, 1879.

To all whom it may concern:

Be it known that I, JEREMIAH V. BEAVERS, of Mount Summit, in the county of Henry and State of Indiana, have invented a new and useful Improvement in Weather-Strips, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to an improvement in weather-strips; and consists in the devices hereinafter described and claimed.

The object of the invention is to produce a weather-strip that will effectually prevent dust, water, or other matter from entering apartments beneath the door thereof.

Referring to the accompanying drawings, Figure 1 is a central vertical longitudinal section of a door, showing the weather-strip in its closed position. Fig. 2 is an end view of the weather-strip, showing its position when the door is open.

In the accompanying drawings, A represents the door-frame, and B the door, the frame being provided with a sill, *a*, and in its lower left-hand corner with the stud *b*, hereinafter mentioned. The weather-strip is secured upon the lower portion of the outside of the door, and is composed of two sections, *d e*. The upper section, *d*, is rigidly fastened to the door, and has its lower surface slightly inclined and faced with a strip of rubber, *f*, or other suitable material. The lower section, *e*, is hinged at its upper edge to the lower edge of the section *d*, and has a free oscillatory movement. The upper edge of the section *e* is adapted, when the section is in a vertical position, to press firmly against the strip *f* and form an air-tight joint. The rear surface of the section

e is beveled to an edge at its lower portion, and is supplied with a strip of rubber, *i*, or other suitable material, as shown.

A spring, *m*, is secured to the lower left-hand corner of the door immediately below the upper section, *d*, and has an outward tension against the section *e*, whereby the lower edge of this section is sufficiently elevated to permit the door to be opened and closed at will.

When the door B is closed the lower edge of the section *e* strikes the stud or flange *b*, and is thereby turned downward until it assumes a vertical position. In this condition the strip *i* presses firmly against the carpet-sill, and the upper edge of the section *e* forces itself against the strip *f*, forming air-tight joints, and preventing the entrance of extraneous matter into the apartments.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a weather-strip, the section *d*, rigidly secured to the door, and having an inclined lower edge faced with packing *f*, in combination with the section *e*, secured thereto by hinges, and having the packing *i* upon its rear beveled surface, and with the spring *m* and stud *b*, the section *e* being so arranged that when down its upper edge will abut against the packing *f*, substantially as set forth.

In testimony that I claim the foregoing improvement in weather-strips, as above described, I have hereunto set my hand this 31st day of January, 1879.

JEREMIAH V. BEAVERS.

Witnesses:

WILLIAM C. BOWMAN,
WILLIAM MELLOTT.