

H. B. DAVIS.
Weather-Strip.

No. 211,228.

Patented Jan. 7, 1879.

Fig. 1.

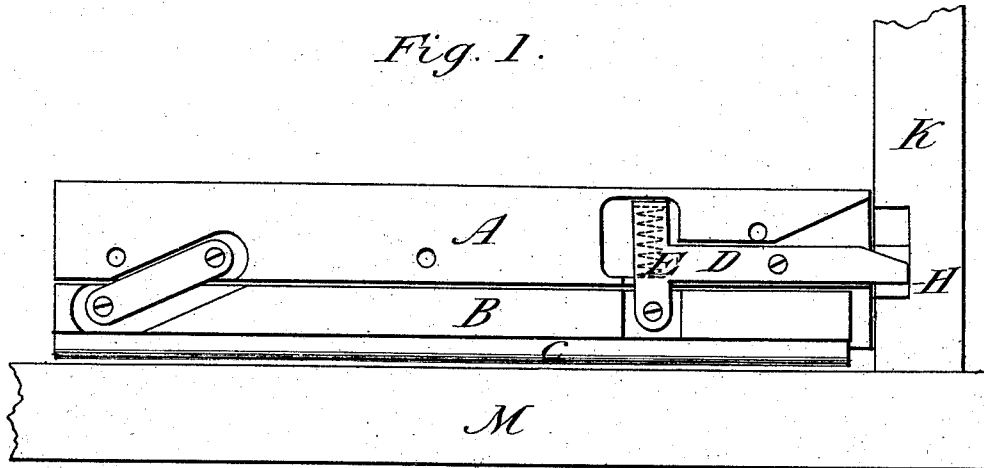


Fig. 2.

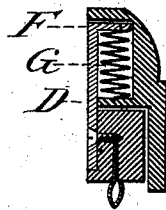
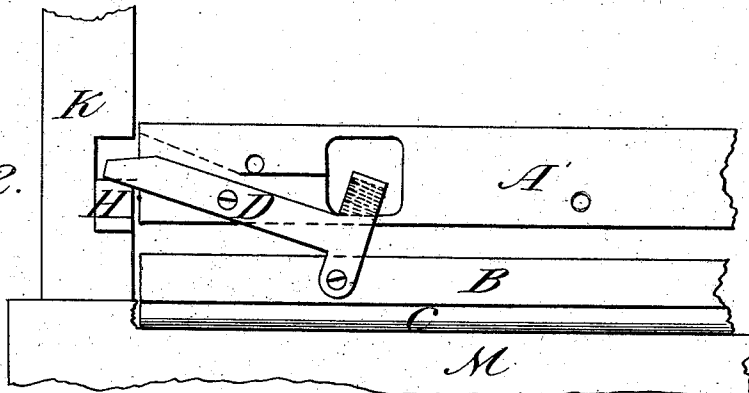


Fig. 3.

Attest:

Inventor:

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UNITED STATES PATENT OFFICE.

HORACE B. DAVIS, OF LEXINGTON, MASSACHUSETTS.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **211,228**, dated January 7, 1879; application filed August 14, 1878.

To all whom it may concern:

Be it known that I, HORACE B. DAVIS, of the town of Lexington, county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Weather-Strips, which improvement is fully set forth in following specification, reference being had to the accompanying drawings.

The object of my invention is to close the space necessarily left between the bottom of door and the threshold, thereby preventing the passage of wind or storm, and aiding in keeping the house to which this invention is applied warm; and consists of the following parts, to which reference is made by corresponding letters in the accompanying drawings.

In Figure 1, A represents a piece of molding about two inches wide, and as long as the width of the door, to the bottom of which it is attached, said molding having a strip, B, cut out on its lower side, next the door, about one-half inch thick and five-eighths inch wide, thereby leaving a space between the face of the molding and the door, in which said strip can move up and down. To the lower edge of the strip B is attached a strip of rubber, C.

Near one end of the molding A is placed a latch or lever, D, hung near its center, and having at one end a cross-piece, E, with a projection, F, Fig. 3, at its upper end playing in a space in the molding A, (said space being made to contain the projection F, together with the spring G, Fig. 3, against which the projection F presses,) and, being attached at its lower end to the strip B, causes said strip to be raised or lowered with the movement of the latch. The latch or lever D is raised by a

catch, H, which is inserted in the door-frame K. When the door is closed, one end of the latch D, coming in contact with the catch H, is raised, and, being hung near its center, the other end of said latch D, to which is attached the cross-piece E, together with the strip B, is pressed down, thereby pressing the rubber strip C firmly against the threshold M, and effectually closing the space between said threshold and the door above it.

When the door is opened the latch D being relieved from pressure of the catch H, the spring G, Fig. 3, pressing against the projection F, Fig. 3, on the cross-piece E, to the lower end of which is attached the strip B, raises the cross-piece E, together with the strip B, sufficiently to allow the rubber strip C to swing clear of the threshold M.

One end of the strip B being raised and lowered by the latch or lever D moving in the arc of a circle, the other end of said strip is carried by a hinge or attachment moving in the same arc, thereby causing the entire strip B, with its rubber strip C, to move smoothly and evenly.

The foregoing is very simple, very effective, and very durable.

What I claim, and desire to have patented, is—

In combination with a door, the projecting latch D, adapted to be operated by the catch H, and formed with cross-piece E, the spring G, and strip B, all constructed as and for the purpose set forth.

HORACE B. DAVIS.

Witnesses:

FRANK S. DAVIS,
ISAAC N. DAMON.