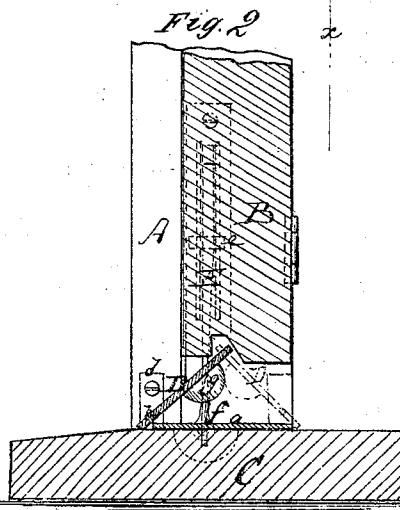
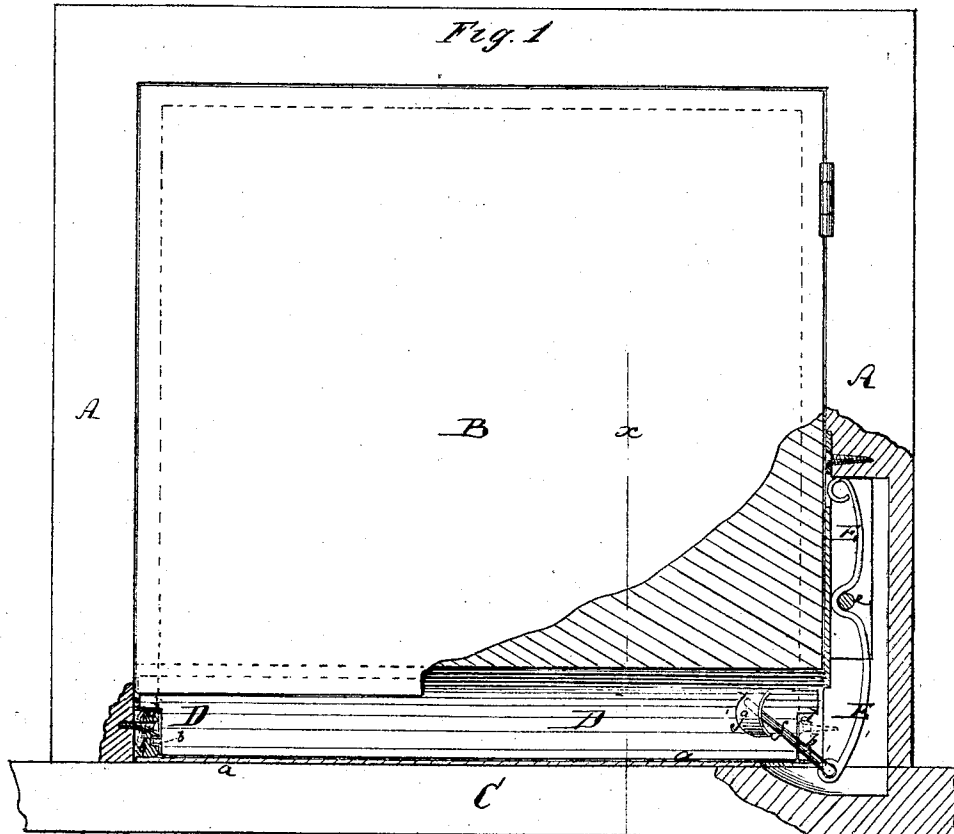


J. W. KRAMER.
Weather Thresholds.

No. 135,132.

Patented Jan. 21, 1873.



Witnesses:

A. W. Almquist
C. Sedquist

Inventor:

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UNITED STATES PATENT OFFICE

JOHN W. KRAMER, OF BLOOMSBURG, PENNSYLVANIA.

IMPROVEMENT IN WEATHER-THRESHOLDS.

Specification forming part of Letters Patent No. 135,132, dated January 21, 1873.

To all whom it may concern:

Be it known that I, JOHN W. KRAMER, of Bloomsburg, in the county of Columbia and State of Pennsylvania, have invented a new and Improved Weather-Strip for Doors, of which the following is a specification:

Figure 1 is a longitudinal vertical section of my invention. Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

The invention relates to improvements on the door-strip for which United States Letters Patent numbered 106,835 were granted to me the 30th day of August, 1870. The present invention consists in a new manner of connecting each door-strip with a spring-lever in the side of the door-case, by means of which the strip will be raised when the door is shut.

A in the drawing represents the door-frame; B, the door; C, the sill. A metal plate, *a*, is by screws fastened upon the sill, and serves, besides protecting the sill against water, to hold down the end of the oil-cloth. D is a door-strip. It has projecting lugs or pins *b b* at the ends, by which it is pivoted. These pins *b* enter sockets in small metal plates *d d* that are screwed against the door-frame. When the strip D is to be removed for any purpose it will only be necessary to unscrew one of the plates *d*, or to spring the plate D up in the middle and detach it without unscrewing a

plate, *d*. E is a spring lever pivoted at *e* in a recess of the door-frame. Its lower end connects with a rod, *f*, which enters a pocket, *g*, formed in the door-strip D. When the strip D lies flat upon *a*, which it will whenever the door is open, it will swing the lever E, so that its upper end will project inward from the door-frame. When the door is shut it will crowd the upper end of E into the frame, and thereby cause it to swing the plate D into the inclined position shown in Fig. 2—*i. e.*, against the door—to act as a weather-strip for the same.

Every front door may be provided with such strips D, either together with or without the plate *a*. A rabbet may be cut into the lower edge of the door for the door-strip to fit against.

By dotted lines in Fig. 2 is shown a plate on the other side of D, but similar to it. It is to be used for inside doors, and the carpet can be laid over it.

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

The combination of the spring-lever E and rod *f* with the door-strip D and pocket *g*, substantially as specified.

JOHN W. KRAMER.

Witnesses:

WM. PEACOCK,
W. C. MCKINNEY.