

N. ROWEN & M. D. MILLER.
Weather-Strip.

No. 205,686.

Patented July 2, 1878.

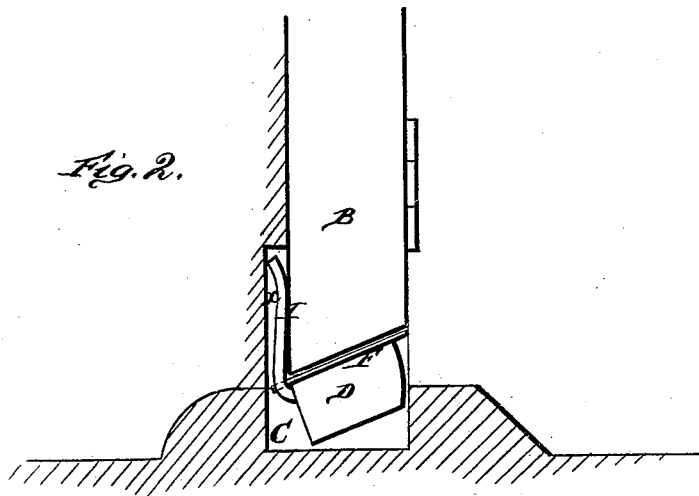
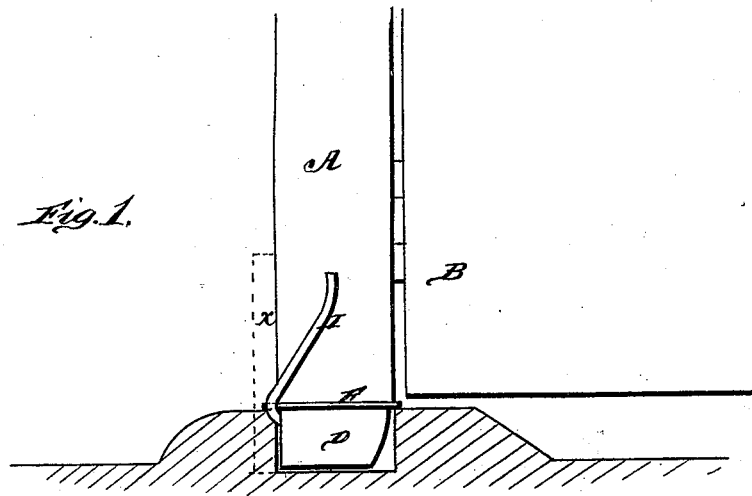


Fig. 3.

WITNESSES
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UNITED STATES PATENT OFFICE.

NELSON ROWEN AND MARTIN D. MILLER, OF OSWEGO, KANSAS.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **205,686**, dated July 2, 1878; application filed June 1, 1878.

To all whom it may concern:

Be it known that we, NELSON ROWEN and MARTIN D. MILLER, of Oswego, in the county of Labette and State of Kansas, have invented a new and valuable Improvement in Weather-Strips; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a transverse vertical section of our weather-strip. Fig. 2 is a transverse vertical section, and Fig. 3 is a detail view thereof.

The nature of our invention relates to the construction of a weather-strip for doors, as will be hereinafter more fully set forth.

The annexed drawings, to which reference is made, fully illustrate our invention.

A represents an ordinary door-frame, with door B hinged thereto. The lower edge of the door is beveled from the inner side downward and outward, as shown, and in the sill of the door-frame is made a gutter, C, of the same width as the thickness of the door, and extending entirely from jamb to jamb of the door-frame. In this gutter C is placed a loose strip, D, the upper side of which is provided with a lining, F, of zinc or other suitable sheet metal. This lining projects both in front and rear of the strip D, and rests upon the top of the sill. At its outer end the strip D is provided with a curved arm, I, extending upward, as shown.

As the door B closes it strikes this arm I and forces the same into a recess at *f* in the door-jamb, and this movement raises the strip, as upon a hinge, up against the under edge of the door. It will, however, be noticed that we have no hinge to the strip, but that its outside upper edge forms the center of rotation, thereby cramping the strip tightly under the door.

When the door is opened the strip falls down in the gutter or groove C, so as not to be in the way.

We are fully aware that it is not new to operate a weather-strip by the door in closing the same; hence we do not claim such, broadly, as our invention.

What we claim as new, and desire to secure by Letters Patent, is—

The combination, with the frame A and door B, of the groove or gutter C, formed in the sill of the door-frame, the loose strip D, placed therein, the lining or covering F, extending beyond the strip on both sides and adapted to rest closely upon the outer side of the sill only when tilted, and arm I, substantially as and for the purposes set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

NELSON ROWEN.
MARTIN D. MILLER.

Witnesses:

F. R. BARNES,
WM. HOUCK.