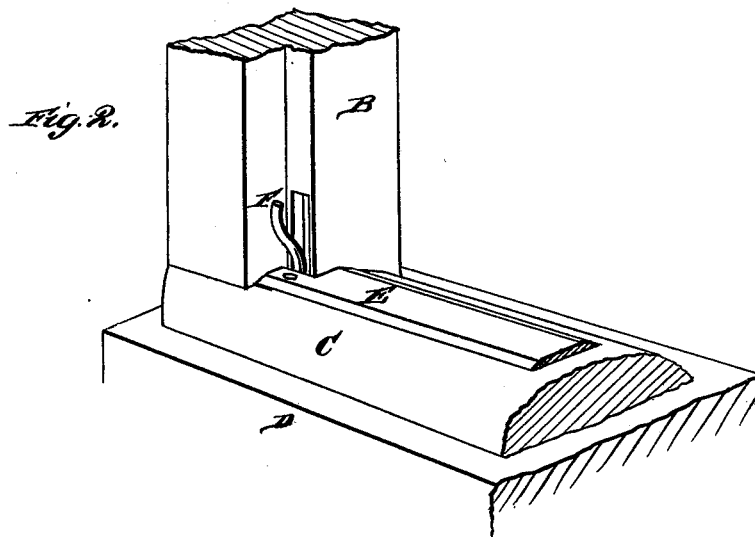
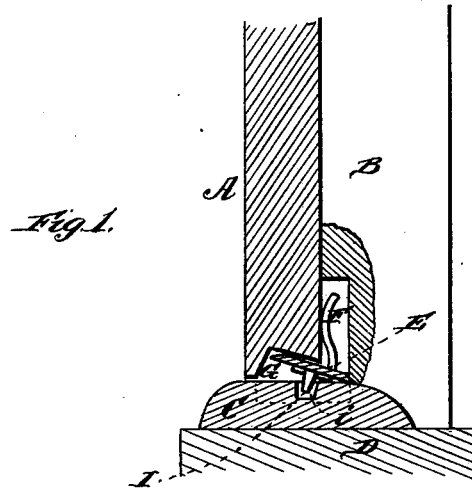


N. ROWEN & M. D. MILLER.
Weather-Strip.

No. 214,198.

Patented April 8, 1879.



WITNESSES
Robert Smith
H. Clay Smith

INVENTORS.
Nelson Rowen.
Markus D. Miller.
By *Gilmore Smith & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE

NELSON ROWEN AND MARTIN D. MILLER, OF OSWEGO, KANSAS,
ASSIGNORS TO THEMSELVES AND F. B. DUFFEY.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **214,198**, dated April 8, 1879; application filed
October 26, 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 section of our weather-strip, and Fig. 2 is a perspective detail view of the same.

Our invention relates to a weather-strip for doors, hinged windows, and the like; and the novelty consists in the construction and arrangement of parts, as will be more fully hereinafter set forth, and pointed out in the claim.

Referring to the drawings which form a part of this specification, A represents a door, hinged upon its frame B in the ordinary manner. C represents the usual carpet-strip, placed upon the door-sill or threshold D. E represents the weather-strip, made of any suitable material, usually ordinary band-iron, which lies on the top of the carpet-strip in such a position as to project slightly outside of the door, and is held in place by pins I I, which operate in holes *i i* in the carpet-strip C. The weather-strip E lies horizontally upon the carpet-strip C until the door A, in closing, presses upon the lever F, and turns the strip E up on its edge into an inclined rabbet in G in the bottom of the door, and the action of

the door upon this lever, when fully closed, springs the strip up against the door and down upon the carpet-strip, forming an air and water tight joint, held so by the fastening which holds the door closed and the impingement of the back part of the strip against the back part of the rabbet G.

The strip E is readily removable to clean out any dirt or sand which might accumulate, and is as readily replaced, is simple, cheap, and durable, and forms an efficient device for the purpose.

We have already obtained Letters Patent for a loose strip, without hinges, resting in a groove in the sill of a door-frame, and having a covering which overlapped the said groove, the said strip being provided with an upwardly-projecting lever, which is operated by a door having a beveled lower edge to tilt the strip up against the bottom of the door, as shown in Letters Patent No. 205,686, of July 2, 1878, and we do not seek to cover said construction in this application.

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

The combination of the removable strip E, lever F, and pins I I with the door A, frame B, and sill having holes *i i*, as and for the purpose described.

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:

H. C. COOK,
M. M. SHIPLEY.