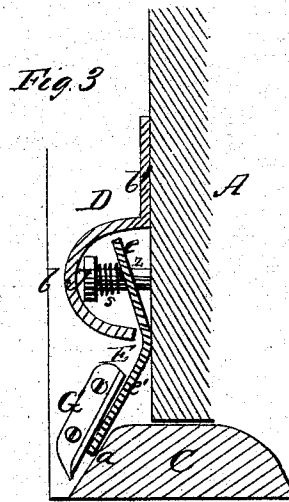
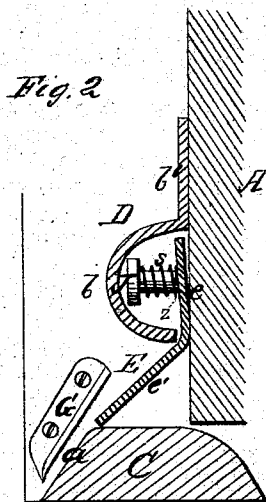
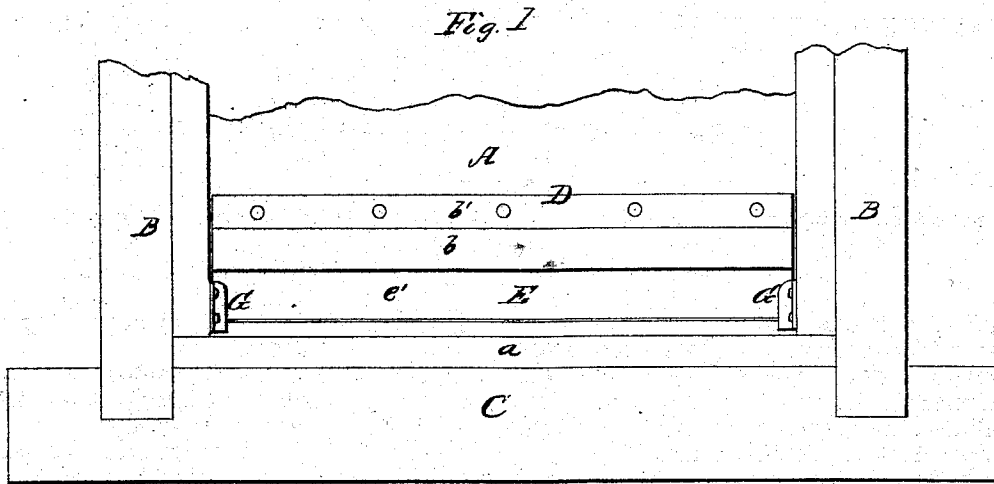


P. M. & J. W. LYNCH & N. A. STOWELL.
Weather-Strips.

No. 158,292.

Patented Dec. 29, 1874.



WITNESSES
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UNITED STATES PATENT OFFICE.

PATRICK M. LYNCH, JAMES W. LYNCH, AND NATHAN A. STOWELL, OF
MONICA, ILLINOIS.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **158,292**, dated December 29, 1874; application filed
March 14, 1874.

To all whom it may concern:

Be it known that we, PATRICK M. LYNCH, JAMES W. LYNCH, and NATHAN A. STOWELL, of Monica, in the county of Peoria and State of Illinois, 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 drawing is a representation of our weather-strip. Figs. 2 and 3 are sectional views of the same.

This invention has relation to weather-strips for the bottoms of doors; and it consists in a stiff angular strip, a shield or guard-strip, and also with springs and depressing-plates, whereby the said angular strip will be lifted when the door is opened, and forced down closely on the sill when the door is shut, as will be hereinafter explained.

In the annexed drawing, A designates the lower portion of a door, which is hung in a frame, B, over a sill, C, having an inclined edge, *a*. D designates a guard or shield, consisting of a raised semicircular portion, *b*, and a flat portion, *b'*, by means of which latter the guard is secured to the outside of a door near its lower end, and parallel thereto. E represents an obtuse angular strip, the upper portion of which is inclosed by the semicircular portion *b* of the guard D, and receives through it two or more pins, J, on which helical springs *s* are applied. The springs *s* press the upper portion of the strip E flatly against the door, and raise the lower portion *e'* of this strip

above the sill C when the door is open, as shown in Fig. 2.

In the act of shutting the door the ends of the closing-strip E will strike two inclined plates, G G, which are secured to the frame B, which plates will depress the exposed portion of said strip against the inclined surface *a* of the sill, as shown in Fig. 3.

The guard D hides from view the upper portion of the strip E and its pins and springs, and also protects these parts from water and ice.

We are well aware that the employment of a bent plate as a weather-strip is not new; also, that it is common to attach a straight or plane strip to the dust-cap by curved arms, as shown in the patent of H. Ogborn, No. 40,941, December 15, 1863. We do not claim such devices, broadly.

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

The combination, with the centrally longitudinally bent weather-strip E, perforated above the bend, and rocking on the bend against the door, of the bolts J, secured to the door, passing through the perforations of said weather-strip, and carrying the coiled springs *s*, as herein shown and described.

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

JAMES W. LYNCH.
PATRICK M. LYNCH.
NATHAN A. STOWELL.

Witnesses:

AUGUSTUS STOWELL,
AMY J. STOWELL.