W. P. FRENCH.
Weather-Strip.

No. 218,870. Patented Aug. 26, 1879.

Fig. 1

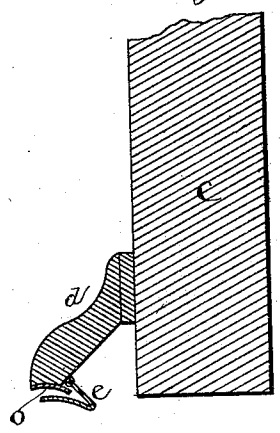
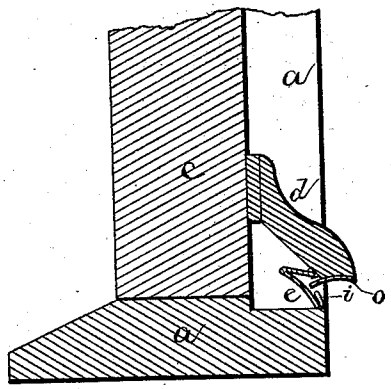


Fig. 2



Witnesses
J. W. Garner.
W. L. D. Haines.

Inventor:
Wm. P. French,
per
F. A. Lehmann,
Atty.

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UNITED STATES PATENT OFFICE.

WILLIAM P. FRENCH, OF WASHINGTON, IOWA.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **218,870**, dated August 26, 1879; application filed January 28, 1879.

To all whom it may concern:

Be it known that I, WILLIAM P. FRENCH, of Washington, in the county of Washington and State of Iowa, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in weather-strips; and it consists in a peculiarly-bent plate that is pivoted at its upper edge to the under side of the molding on the door, in combination with a guard to protect the joint at the upper edge of the strip, as will be more fully described hereinafter.

Figures 1 and 2 are vertical sections of my invention, showing the strip in two positions.

a represents the door-sill and frame; *c*, the door; *d*, the molding, and *e* the weather-strip. This strip is formed from a thin metallic plate, which is hinged directly to the under side of the molding *d*, as near as possible to its lower edge, and which is bent, as shown, slightly above its center. By thus bending the strip upon itself to nearly a V shape, and hinging it by the shorter limb to the molding, the longer limb, when left free to move, will assume a horizontal position, as shown in Fig. 1, so that its lower edge will not catch in the carpet.

The lower edge of the molding *d* is made wide and concave, and to it is fastened the guard *o*, the inner edge of which is inclined downward, and projects inward far enough to form a guard for the joint formed by the strip and the molding. This guard prevents snow, dust, and moisture from finding their way under the molding over the top of the strip. When the door is closed the lower edge of the strip strikes against the stops *i* and assumes the position shown in Fig. 2.

Having thus described my invention, I claim—

In a weather-strip, a metallic strip, *e*, bent upon itself to nearly a V shape, and hinged to the molding by the shorter limb, so that the longer one will assume a horizontal position when the door is open, in combination with the molding *d* and guard *o*, substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of January, 1879.

WILLIAM P. FRENCH.

Witnesses:

A. C. MCGUIGAN,

P. F. WESTPHAL.