

J. H. Miller.

Weather-Strijz.

N^o 69,010.

Patented Sept. 17, 1867.

Fig. 1.

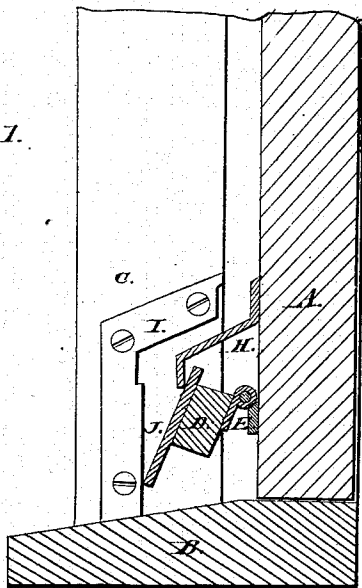
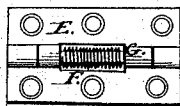


Fig. 2.



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J. H. MILLER, OF MILWAUKEE, WISCONSIN.

Letters Patent No. 69,010, dated September 17, 1867.

IMPROVED WEATHER-STRIP FOR DOORS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. H. MILLER, of the city and county of Milwaukee, State of Wisconsin, have invented a new and useful Improvement in Weather-Strips for Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The present invention relates to an improvement in weather-strips for doors, and consists in so hanging and arranging the weather-strip that when the door is closed it will be brought down and upon the sill of the same in proper position for preventing the passage of air, dust, &c., under the door, while, as the door is opened, it will so swing or turn as to pass freely over the sill, and offer no obstruction to the movement of the door. In accompanying plate of drawings, my improvement in weather-strips is illustrated—

Figure 1 being a vertical section of a portion of the door with it applied thereto, and also showing the door-sill in connection therewith, and

Figure 2 a view of one of the hinges by which the weather-strip is hung to the door.

Similar letters of reference indicate like parts.

A, in the drawings, represents a door, B the sill, and C the jamb. D, the weather-strip, hinged to and along the door near its lower edge, by means of one or more hinges, E E, one of which is shown in fig. 2, and has a spiral spring wound around the spindle G of its butt, upon which the leaves of the hinge swing or turn, and so connected to said spindle and the hinge leaves as to have a tendency to throw the said leaves open or apart and away from each other for a purpose to be hereinafter explained. This weather-strip D extends entirely across the width of the door, and over it is placed a sheet-metal or other suitable covering projecting plate H, which is secured and fixed to and upon the door, by means of screws or any other proper fastening devices. Upon the jamb of the door is secured a plate, I, in proper position, that as the door is shut or closed its weather-strip at the end corresponding thereto will strike against its edge J, and thus be swung down and into a vertical position over the door-sill, forming a tight and close joint by its lower edge therewith, and thereby serving to prevent all air, dust, &c., from passing under the door, as is plainly shown in fig. 1, in which figure the door is shown as partially and slightly open, the weather-strip, when the door is being swung open, being inclined sufficiently by the action of its spring hinge or hinges to entirely clear and pass over the door-sill, and thus offer no obstruction to the free movement of the door.

I claim as new, and desire to secure by Letters Patent—

The combination of the weather-strip D, hung to a swinging door-plate, H, spring hinge E, and projecting plate I of the door-jamb, substantially as and for the purpose described.

J. H. MILLER.

Witnesses:

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