

E. C. MATTHEWSON.

Strip for Doors.

No. 5,572.

Patented May 16, 1848.

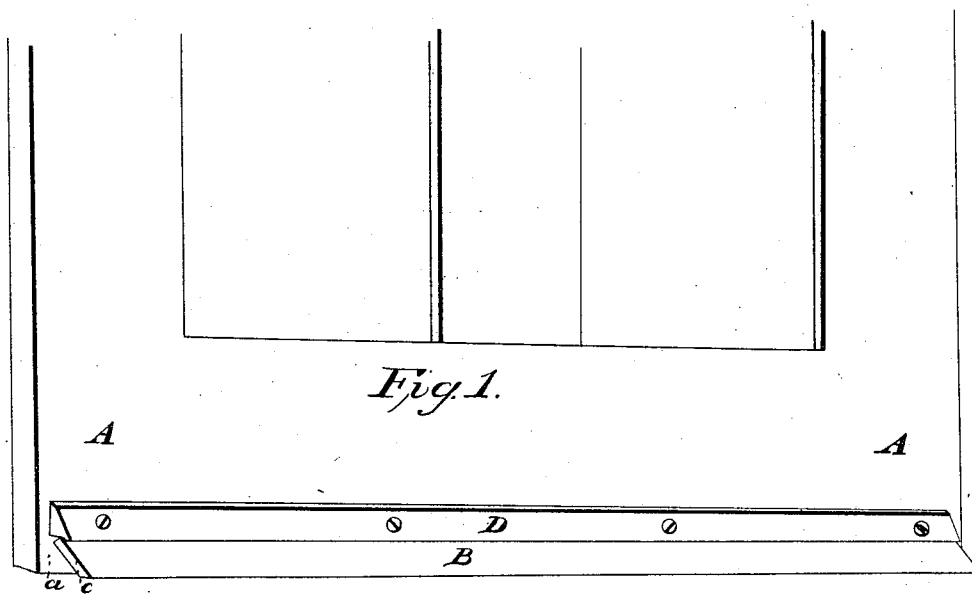


Fig. 2.



Fig. 3.



UNITED STATES PATENT OFFICE.

ERASTUS C. MATTHEWSON, OF HARTFORD, CONNECTICUT.

WEATHER-STRIP FOR DOORS.

Specification of Letters Patent No. 5,572, dated May 16, 1848; Antedated November 16, 1847.

To all whom it may concern:

Be it known that I, ERASTUS C. MATTHEWSON, of the town of Hartford, county of Hartford, and State of Connecticut, have invented a new and Improved Weather-Strip for Doors; and I do hereby declare that the following is a full description thereof.

The nature of my invention consists in making two strips of wood the length of which is equal to the width of the door; one of said strips is beveled on two edges; one of the bevels is placed next the door on the outside and near the bottom, to the other bevel is hung with butts in the usual way another narrow strip. A hole is bored horizontally into the door under the lower strip into which a spiral spring is fastened for the purpose of raising said strip when the door is opened, but on closing the door said strip is struck down by a small brass or iron plate screwed to the jamb of the door. So effectually does this accomplish its object that a door furnished with one of them is perfectly secure against the admission of wind, rain and snow.

To enable others to make and use my invention I will proceed to describe its operation, &c., with references to the drawings.

Figure 1 is a perspective view of the strip, as seen on the bottom of the door a small portion together with the jambs and threshold of which is shown; Fig. 2 is the brass or iron plate which strikes down the strip as the door shuts, and Fig. 3 is the spiral spring that raises up the strip as the door opens.

A A, Fig. 1, is the lower portion of the door. No alteration of the door is required. In putting the strip on a hole is bored into the door horizontally under the lower part of the strip to admit the spiral spring; said spring is held to its place by a wood screw passed through its inner end, the outer end

projecting about half an inch. The strip D is a small molding beveled on the inner sides and made fast to the outside of the bottom of the door by screws. B is hung to D with butts or hinges on the inner edge in the common form and works freely up and down. In fitting them on care must be taken that when the door is closed the strip B comes down to the threshold. On one end of said strip B there is an iron plate C to prevent wearing as it is struck down by the plate d that is screwed to the jamb, which plate (Fig. 2) must be attached to the jamb to strike down the piece B.

I am aware that weather strips have been made and used in various ways before, therefore I wish to be distinctly understood as not claiming anything that has before been used, but

What I do claim as my invention and desire to secure by Letters Patent is—

The construction of weather strips in two pieces hung together with butts, and attaching the upper piece firmly with screws, to the outside of the door, near the bottom, while the lower or vibrating piece will be struck down by means of the plate (Fig. 2) screwed to the jamb of the door when the door is shut so as to fit closely to the threshold, and so that it will be thrown up by the spring when the door is opened; the whole constructed, arranged and operating substantially as herein described.

In testimony whereof I, the said ERASTUS C. MATTHEWSON, hereto subscribe my name in the presence of these witnesses whose names are hereto subscribed on this fourth day of January, 1847.

E. C. MATTHEWSON.

Witnesses:

H. GOODWIN, 2d,
JOSEPH B. STARR.