

T. STECKEL.
WEATHER STRIP.

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Mrs. L. Dietrich.
Jno. W. Stockett.

INVENTOR.

INVENTOR.
J. Steckel,
by C. A. Snow & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

THEODORE STECKEL, OF KLECKNERSVILLE, PENNSYLVANIA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 266,730, dated October 31, 1882.

Application filed July 7, 1882. (No model.)

To all whom it may concern:

Be it known, that I, THEODORE STECKEL, of Klecknersville, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Weather-Strips; and I do hereby that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of the lower part of a door, showing my improved weather-strip attached to the same, the cover or molding having been removed. Fig. 2 is a front view of the same, showing the door closed. Fig. 3 is a section on line *xx*, Fig. 2. Fig. 4 is a section on line *yy*, Fig. 2. Fig. 5 is a horizontal sectional view on the line *zz*, Fig. 2; and Fig. 6 is a detail view.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to weather-strips for doors; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents the door-frame, and B the door.

C D are hinge-plates, secured near the lower edge of the latter, and provided with perforated lugs E to receive the hinge-rod F, which passes through similar perforated lugs, G, projecting from plates H, secured upon the rear side of the weather-strip S, which is thereby hinged to the door. Any suitable number of hinge-plates may be employed, according to the width of the door. One of the hinge-plates, D, is provided with an additional lug, I, between which and the lug E a spring, J, coiled upon the hinge-rod, is interposed. The ends of said spring bear against the hinge-plates of the door and weather-strip, which latter, or its lower edge, is thereby forced in a forward and upward direction.

The weather-strip S, which is made of wood, has at its lower edge a strip, K, of rubber or other suitable material. At one end it has a notch, L, to receive an arm or lever, M, projecting from the end of the hinge-rod F. It will be observed that by pressing said arm or

lever the weather-strip will be forced down against the tension of the spring. The entire weather-strip and working mechanism may be covered by a molding, N, of sheet metal, having a notch, O, at one end, through which the arm or lever M projects.

To the sides of the door-frame are secured curved brackets P, conforming to the outline of the molding N, as shown. One of said brackets consists of a plate, Q, having a curved flange, R, under which another plate, X, having a tongue, T, is adjustable by a screw, U, working in a slot, V, in said plate. Plate X is to be so adjusted that when the door is closed the lever M shall strike the tongue T, and the weather-strip thus be forced down in contact with the carpet-strip W, thereby excluding wind and rain.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood. It is simple, easily attached to any door, and always certain to operate satisfactorily.

I claim and desire to secure by Letters Patent of the United States—

1. The combination, with a door, of the hinge-plates C D, having perforated lugs E, the latter being also provided with an additional lug, I, the weather-strip S, having hinge-plates H, the hinge-rod F, and the spring J, coiled upon the latter between the lugs E I of plate D, with its ends bearing against the door and weather-strip, as set forth.

2. The combination of the door, the weather-strip having a notch, L, at one end, the hinge-plates, and the hinge-rod F, having lever or arm M, fitted in said notch L, as set forth.

3. The combination, with the weather-strip, hinged, as described, by the rod F, having lever M, fitting in a notch, L, in said strip, of the bracket P, secured to the side of the door-frame, and composed of a flanged plate, Q, and an adjustable plate, S, having tongue T, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THEODORE STECKEL.

Witnesses:

DANIEL FEHNY,
JOSIAH BARTHOLOMEW.