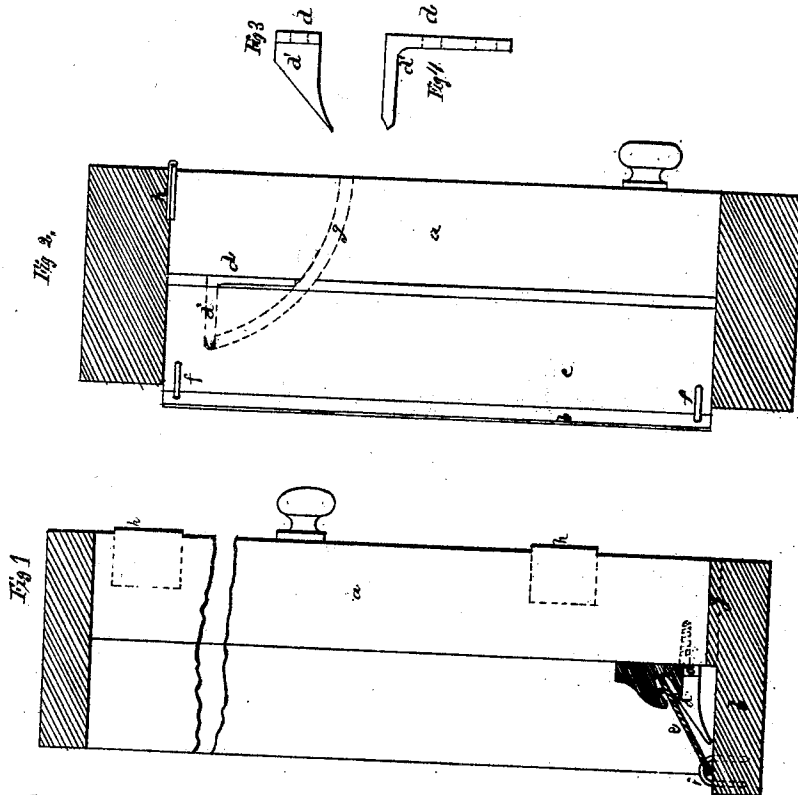


H. W. Caneu,

Weather Strip.

No. 94,472.

Patented Sept. 7. 1869.



Witnesses *J. S. Grinnell*
W. B. Miller

Henry W. Caneu
Inventor.

United States Patent Office.

HENRY W. CAREW, OF NORWICH, CONNECTICUT.

Letters Patent No. 94,472, dated September 7, 1869.

IMPROVED WEATHER-STRIP.

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, HENRY W. CAREW, of Norwich, in the county of New London, and State of Connecticut, have invented a new and useful Improvement in Weather-Strips; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is a vertical section.

Figure 2 is a horizontal section.

Figures 3 and 4 are detached views of the elevator.

My invention relates to the class of weather-strips where the plate is raised into the position designed to exclude rain, snow, dust, &c., and consists in the peculiar means employed for raising the edge of the plate into the required position.

In the drawing—

a represents the closed door.

b is the threshold.

c is the metallic plate, and is hinged at its front edge to the threshold, by means of the staples *f*.

d is the elevator, and consists of a plate screwed to the outside of the door, and having attached to it an inclined arm, projecting forward and downward, below the bottom of the door, its point coming into the groove *g*. This groove is cut, to the width and depth required, into the threshold, to allow the lower point of the elevator-arm *d'* to swing clear and a little below the bottom of the door.

e is the moulding-piece, attached to the front of the door in the usual manner, and having a recess, *e'*, cut in, as shown in fig. 1.

The operation of my invention is as follows:

When the door is open, the plate *c* lies on the threshold *b*. In closing the door, the point of the arm *d'*

swings around the arc in the groove *g*, coming under the back edge of the plate *c*, causing it to slide up the inclined top of said arm into the recess *e'*, as shown in fig. 1.

In opening the door, the arm *d'* recedes from under the plate *c*, allowing it to fall back upon the threshold *b*, the whole forming a more convenient and positive means of operating the plate, for the purpose described, than the modes heretofore in use.

I am aware that a finger has been used for raising and holding the foot-plate, either up against the lower surface of a fixed plate or against the inside of a vertical plate, the foot-plate being sustained in position by the finger, which is liable to get bent, or otherwise injured, by any strain brought against the foot-plate while the door is closed.

By my arrangement, it will be seen that the elevator *d* raises the edge of the plate *c* to the proper height to enter the recess *e'*, so that in the last movement of the closing door, the edge of the plate *c* is carried back into the recess *e'*, where it is held independent of the elevator *d*.

I, therefore, do not claim, broadly, the use of the elevator *d*.

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

The elevator *d*, and the groove *g*, in combination with the plate *c*, the moulding *e*, with its recess *e'*, and the door *a*, all constructed, arranged, and operated substantially as and for the purpose specified.

HENRY W. CAREW.

Witnesses:

J. B. FULLER,

A. S. ELKINS.