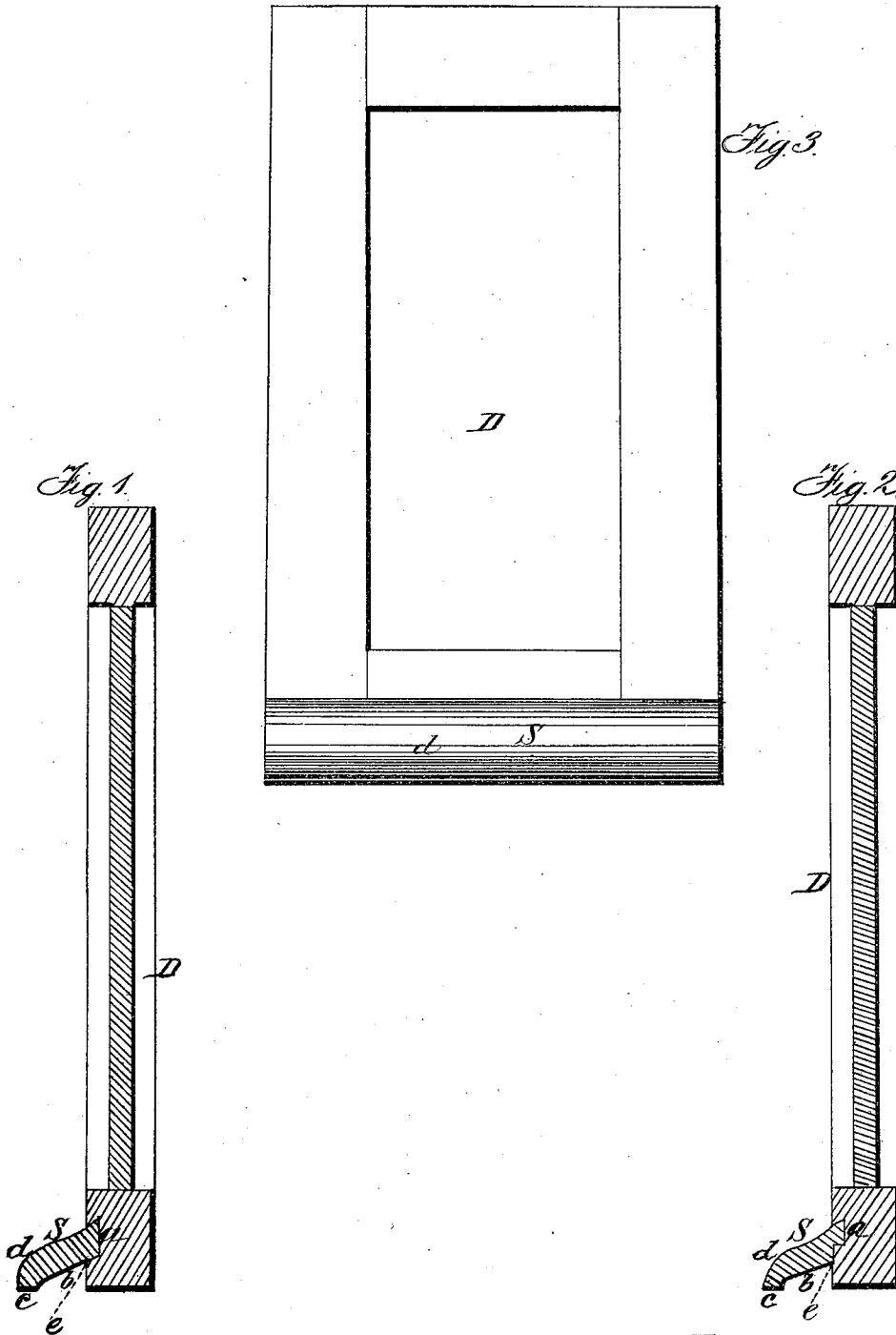


D. MUNSON.  
WEATHER-STRIP.

No. 178,455.

Patented June 6, 1876.



Witnesses:  
*J. A. Rutherford*  
*J. H. Wagner*

Inventor:  
*David Munson*  
by *Johnson* <sup>and</sup> *Johnson*  
his Attys.

# UNITED STATES PATENT OFFICE.

DAVID MUNSON, OF INDIANAPOLIS, INDIANA.

## IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **178,455**, dated June 6, 1876; application filed October 25, 1875.

*To all whom it may concern:*

Be it known that I, DAVID MUNSON, of Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements 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 which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

My object is to prevent water from being driven under outside doors in storms, and for this purpose I employ a strip or molding, set into the outside of the door by dovetail, and provided on its under side with a groove or surface inclining downward from the door, whereby the door is left intact and the water driven into a receiving-groove in advance of the door, and formed in a molding-strip, which makes a neat cornice-like finish to the door.

The water being driven into the groove is prevented from reaching the side of the door by the upward inclination of the grooved surface, and it must therefore be collected at the outer edge of the strip and pass off upon the door-sill. I apply white lead to the surface of this groove, which I find to give a greater degree of certainty in keeping the water from passing back to the door, and insuring its collection at the dripping-edge.

In the accompanying drawings, Figure 1 represents a cross-section of a door with my improved rain-excluding strip applied thereto; Fig. 2, a similar view, showing a slightly-modified form of strip; and Fig. 3, the front side of the door.

A molding-strip, S, is secured into the side of the door D by a dovetail-joint, *a*, and extends the full width of the door. I prefer fastening the strip by dovetailing it into the door-surface as it makes a sealed joint, *e*, and prevents water from passing in behind the

strip. The strip is grooved or forms a groove, *b*, on its under side along the length of the strip, and of any suitable width and form. Its surface inclines outward and downward from the door, and terminates at or near the outer drip-edge *c* of the strip, so that the water is received into said groove *b*, and in passing back must ascend the inclined surface, which, of course, it cannot do; and, as this surface is shielded from the action of the wind, the water must collect at the lowest part *c* of the strip, and, as this is the farthest from the door, the water must be intercepted by the groove and pass back to the outer edge of the strip. To render this result certain, I apply a coating of white lead to the inclined surface of the groove *b*, which gives the effect of a glazed surface to the inclined plane, up which the water cannot pass. The strip may project from one-half to four inches, and may be of metal, if desired. It also forms, by its molded surface *d*, a water-shed to the bottom of the door, and an ornamental attachment which is very effective in preventing the rain from being driven under the door.

The drawings show two forms of grooved strips, in both of which the receiving-groove in advance of the door is formed with its upwardly-inclined surface.

The strip adds strength to the door, and, having the form of heavy molding, makes a good finish.

I claim—

The weather-strip, having the inclined groove *b*, and dovetailed into the front side of the door to obtain a sealed joint, *e*, therefore, as and for the purpose described.

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

DAVID MUNSON.

Witnesses:

HEZH. DAILEY,  
W. M. PICKERELL.