

M. E. BROWN & E. BROWNELL.

Improvement in Weather-Strips.

No. 126,014.

Patented April 23, 1872.

Fig. 1.

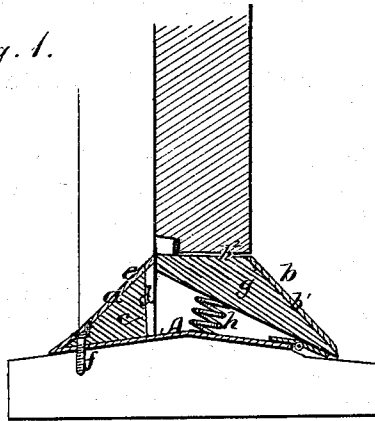
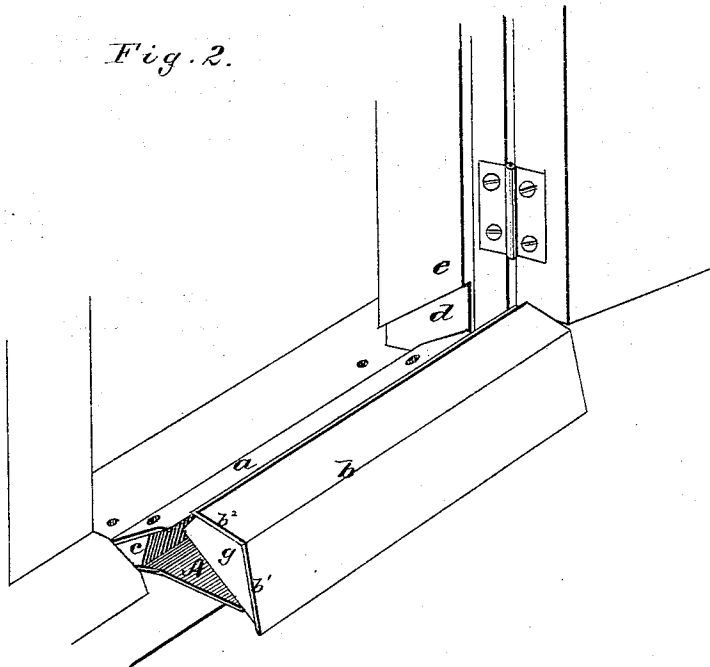


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. 126,014, dated April 23, 1872.

Specification describing an Improved Weather-Strip, invented by MICHAEL E. BROWN and EBEN BROWNELL, of Scranton, Luzerne county, State of Pennsylvania.

This invention relates to a device for preventing the passage of rain, snow, wind, and dust from the outside into a house beneath its doors, and which is so constructed as to be easily put in place or removed therefrom, and which, as regards details of form and operation, is hereinafter fully set forth.

Figure 1 is a transverse vertical section, showing the door shut; and Fig. 2 is a perspective view, showing the door open and the strip moved back.

A is the metal bottom plate of the weather-strip; *a*, the outside and *b* the inside upper plate. These plates are all of a length equal to the width of the door. The plate *a* is inclined, and a wooden block, *c*, is interposed between it and the bottom plate in order to support the former. This part of the device, when in place, is slipped at its ends into recesses *d* formed for the purpose at the lower ends of the edges *e* of the jambs, and is held in place by screws *f* passing through it into the door-sill. The plate *b* is made fast to a block, *g*, that is hinged, at its under side, to the bottom plate A, and is provided with springs *h*, that rest on said bottom plate and

tend to raise the block. The plate *b* has two planes, the inner one, *b*¹, inclined and projecting inward, and the top plane, *b*², inclined also, and, when the door is shut, pressed against the bottom of the same by the springs *h*, thus completely closing the space. The device can easily be removed, for repairs or other purposes, by removing the screws *f* and slipping it inward, as shown in Fig. 2. The lower end of the door is inclined inward and downward in order that, during the operation of shutting, the pressure may be applied to the springs gradually, so as to render the operation easy. A rabbet is cut along the outer corner of the bottom of the door, to the back side of which a gum strip is fastened, which presses upon the plane *b*², and thus renders the joint tighter.

We claim as our invention—

The removable weather-strip herein described, consisting of the bottom plate A, the inclined front plate *a*, the fixed block *c*, the hinged block *g*, spring *h*, and inside plate *b*, having the planes *b*¹ *b*², all arranged as specified.

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Witnesses:

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