WEATHER-STRIP.

No. 184,071. Patented Nov. 7, 1876.

Fig. 2.

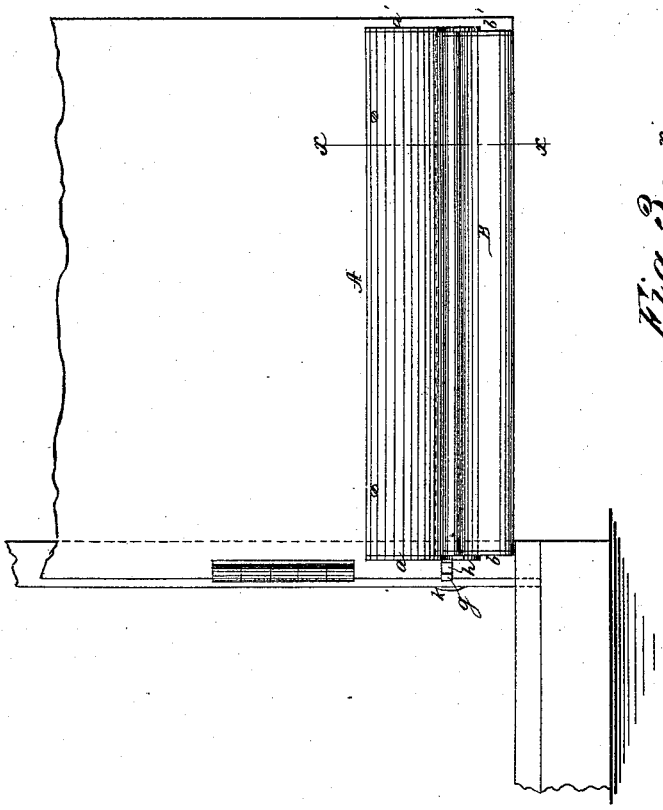


Fig. 3.

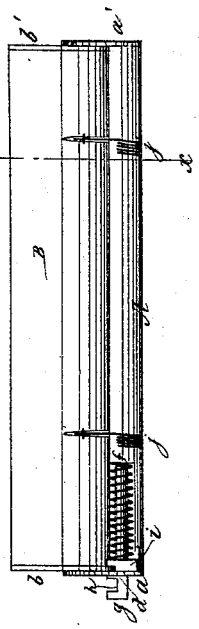


Fig. 4.

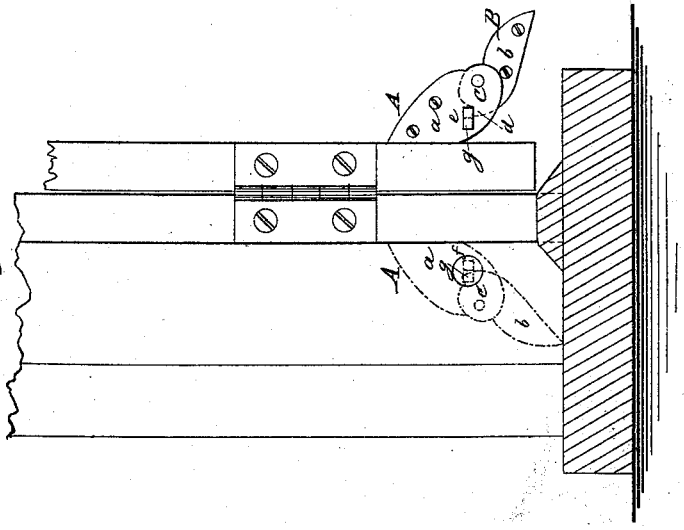
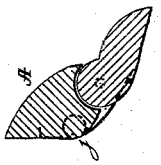


Fig. 4a.



WITNESSES:

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JOHN C. FIESTER, OF READING, PENNSYLVANIA, ASSIGNOR TO HIMSELF AND JACOB SCHAABER, OF SAME PLACE.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. **184,071**, dated November 7, 1876; application filed August 14, 1876.

To all whom it may concern:

Be it known that I, JOHN C. FIESTER, of Reading, in the county of Berks and State of Pennsylvania, have invented a new and Improved Weather-Strip, of which the following is a specification:

Figure 1 is an end view of my improvement attached to a door. Fig. 2 is a side view. Fig. 3 is a bottom view. Fig. 4 is a transverse section on line *x x* in Figs. 2 and 3.

Similar letters of reference indicate corresponding parts.

My invention consists in a weather-strip made from two pieces of wood, one of which is fixed to the door and the other joined to it by a rule-joint, and provided with hinge-plates at each end and springs for throwing the removable part down on the door-sill, and a spring bolt or detent that catches and retains the strip as it is raised by passing over the threshold, but which is tripped by contact with the door-casing as the door is closed.

A is a strip of wood having a length equal to the distance between the door-jambs, and is attached to the door parallel with, and a short distance from, the lower edge of the door. It is cored or hollowed out at its lower edge to form, with the rounded upper edge of the movable part B, a smooth tight joint.

Hinge-plates *a a'* are attached to the ends of the strip A, and plates *b b'* are attached to the ends of the part B. The plates of each part are pivoted together at *c*, thus forming a hinge upon which the part B turns. The plate *b* is provided with a lug, *d*, and the plate *a* with a mortise, *e*. A socket, *f*, is made in the strip A to receive the spring bolt or detent *g*, which projects through the mortise *e*, and is provided with the notch *h*. A lug, *i*, prevents the bolt from moving out too far. Springs *j* are attached to the under side of the strip A, and engage with staples in the under side of the part B, which tend to throw the part B downward. A metallic button, *k*, is placed on the door-casing for the bolt *z* to press against.

When the door is opened the movable part B, in passing over the threshold, is raised, so that the spring-bolt *z* may engage with the lug *d*, holding it in its raised position, preventing the strip from coming in contact with the carpet or floor. When the door is closed the end of the spring-bolt *z* strikes the button *k*, and forces it in until the lug *d* is liberated by slipping through the notch *h*, when the springs *j* press the part B down on the door-sill. When in this position the lug *d* engages with the notch *h*, and retains the bolt in the socket until it is liberated by raising the part B.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A weather-strip consisting of the parts A and B, hinged together by the plates *a a' b b'*, the spring-bolt *z*, the lug *d*, and springs *j*, combined and operating substantially as shown and described.

JOHN C. FIESTER.

Witnesses:

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