

S. J. CILLEY.

Improvement in Weather-Strips.

No. 129,650.

Patented July 23, 1872.

Fig. 1.

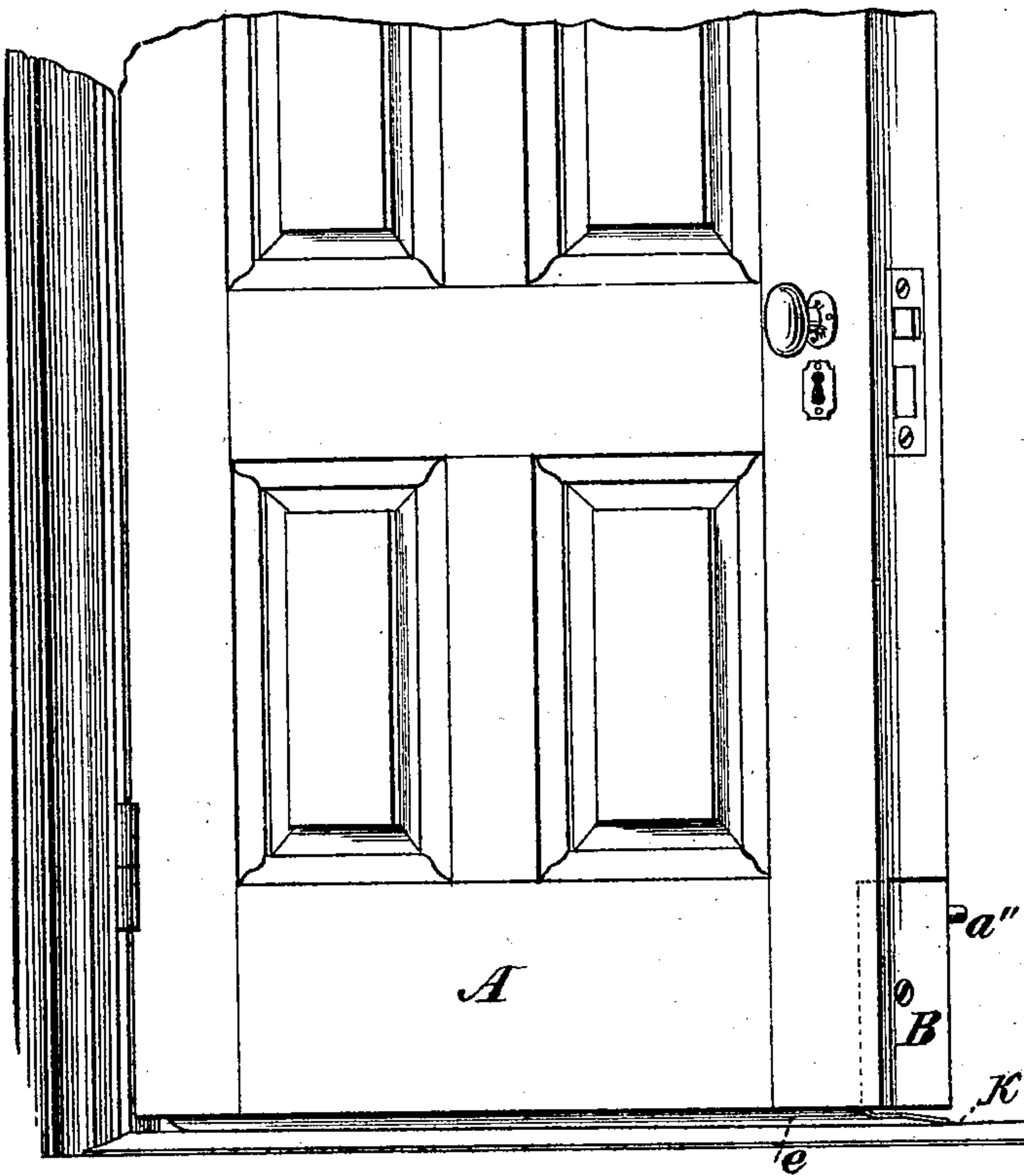


Fig. 2.

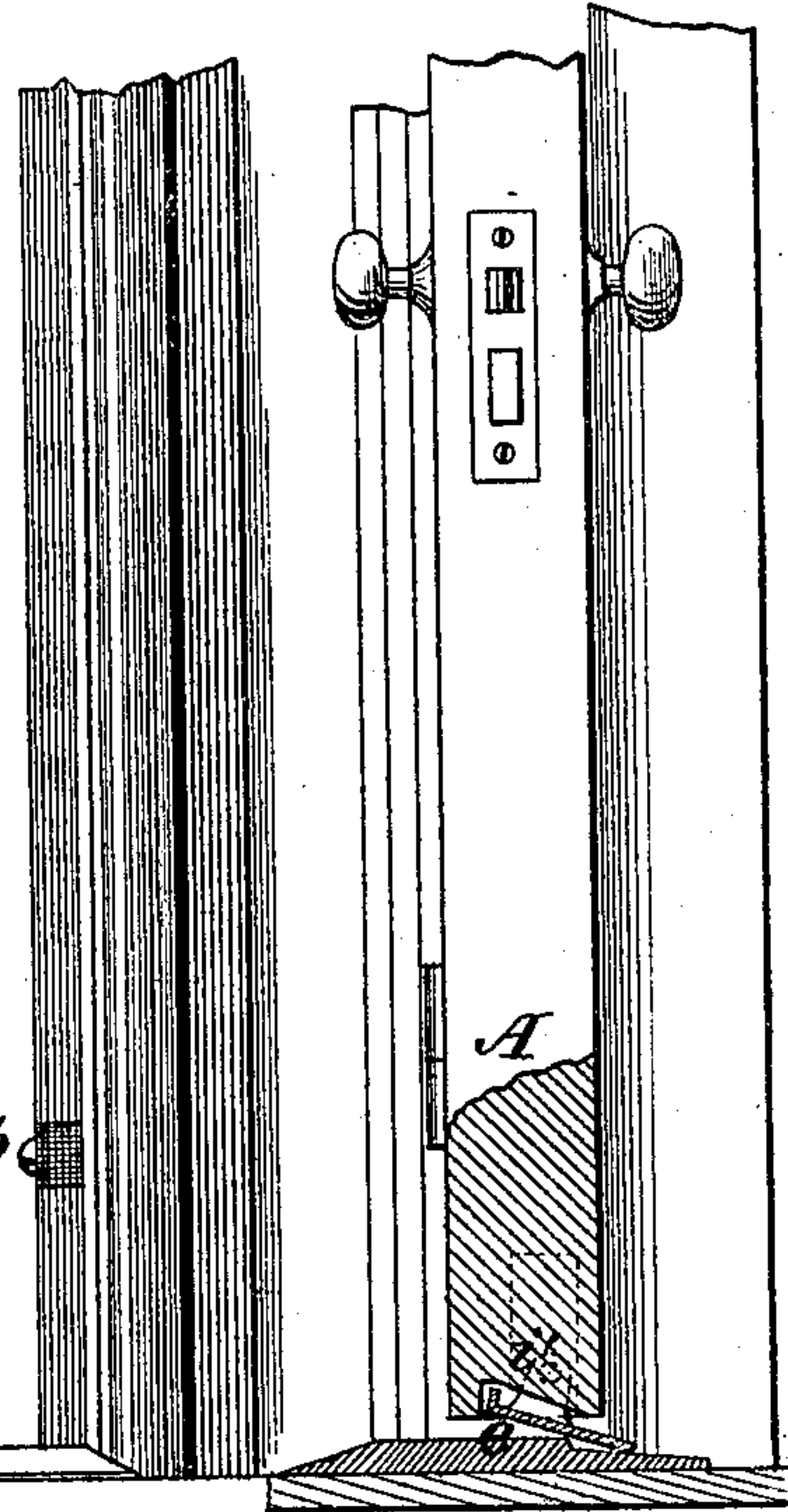


Fig. 3.

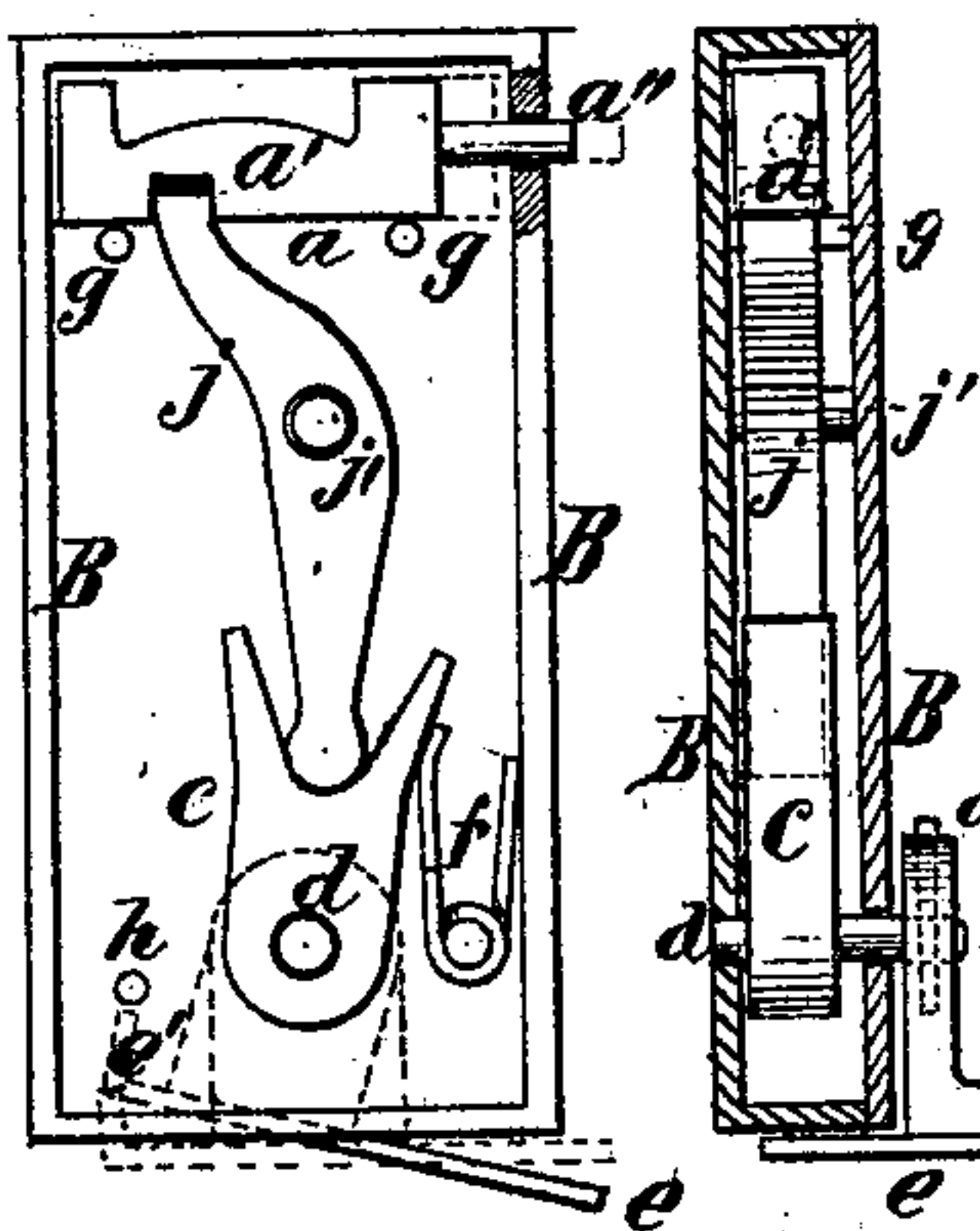
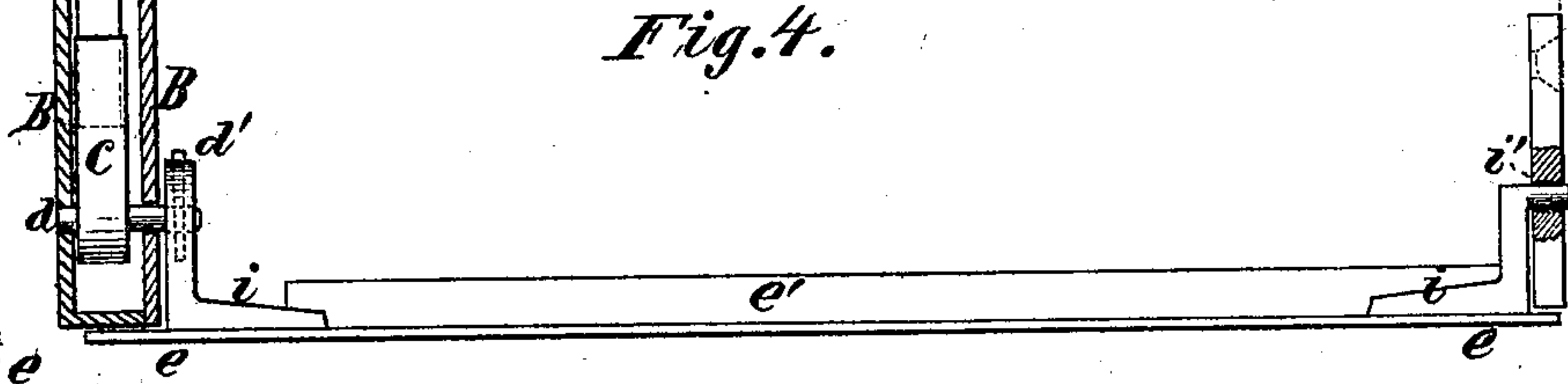


Fig. 4.



Witnesses.

J. S. Libbey.
John R. Varney.

Inventor.

Sewell & Cilley.

UNITED STATES PATENT OFFICE.

SEWELL J. CILLEY, OF ROCHESTER, NEW HAMPSHIRE.

IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. 129,650, dated July 23, 1872.

Specification describing certain Improvements in Weather-Strips, invented by SEWELL J. CILLEY, of Rochester, in the State of New Hampshire.

My invention relates to the mechanism by which the strip is fastened to the door, which consists of a lever and tumbler, as will be more fully hereinafter described.

In the accompanying drawing, Figure 1 is a plan view of door partly open. Fig. 2 is a vertical section of the door, showing the position of the strip when the door is shut. Fig. 3 represents the parts of the machinery by which the strip is moved and regulated. Fig. 4 is a front view of the strip.

In the drawing, A is the door-leaf. B is the box in which the mechanism for operating the strip is confined, and which is inserted in the edge of the door at the bottom with the position of the strip at *k*, Fig. 1, when the door is shut. *a* is a bolt having a notch, *a'*, and a pin, *a''*, which projects through a hole in the box B. *b* is a plate secured on the side jamb of the door-frame, on which the pin *a''* is pressed when the door-leaf is closed. *c* is a tumbler, fastened on one of the pivoted flanges *i*, to which the strip is also fastened. *d* is the pin or shaft, on which *c* is fastened by a small pin at *d'*, or in any other manner, to form a rock-shaft, carrying with its rotation the strip *e*,

which is fastened to it by the flange *i*. *e e'* is the flanged strip, having its pivots *d* and *i'*. *f* is a spring, acting against the side of the box and the tumbler. *g g* are pins to guide the bolt *a*; *h*, a pin for the spring *f*, when the door is arranged to open reversely from the drawing; *i i i'*, pivoted flanges, on which the strip is fastened. *j* is a dog, pivoted at *j'*.

Operation.

When the door stands open the spring *f* keeps the strip *e* close up to the recess in the bottom of the door. When the door is closed the pin *a''* is forced against the plate *b* in the side jamb, which causes the slide *a* to move inwardly, and carries the dog-lever *j*, which, working in the fork of the tumbler *c*, rocks the pin *d* and presses down the strip *e e'*, which is permanently fastened thereto.

Having fully described this invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination of the slide *a*, lever-dog *j*, tumbler *c*, weather-strip *e*, spring *f*, and plate *b*, all substantially as and for the purpose described.

SEWELL J. CILLEY.

Witnesses:

PARKER W. HAME,
JOHN R. BARNEY.