

A. Dodder,

Threshold.

No. 44,613.

Patented Oct. 11. 1864.

Fig. 2.

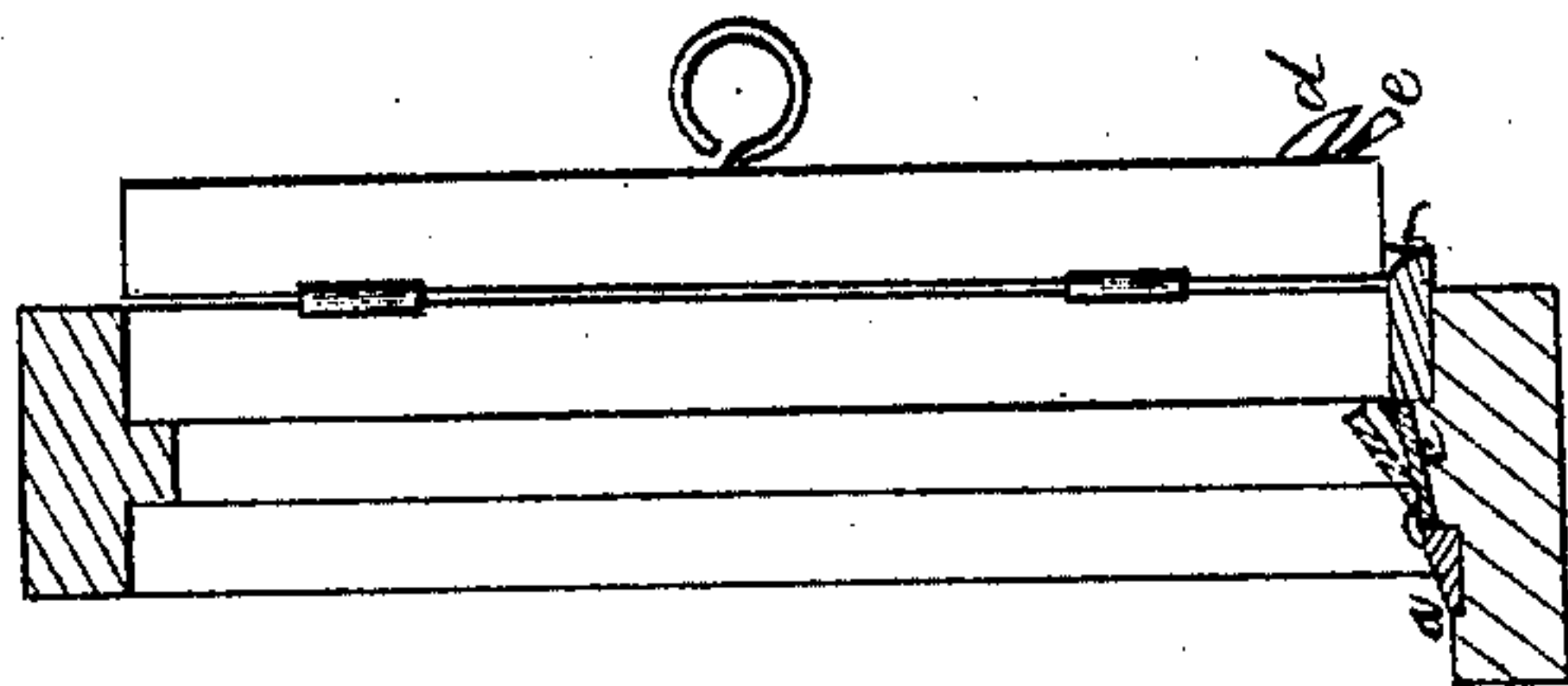
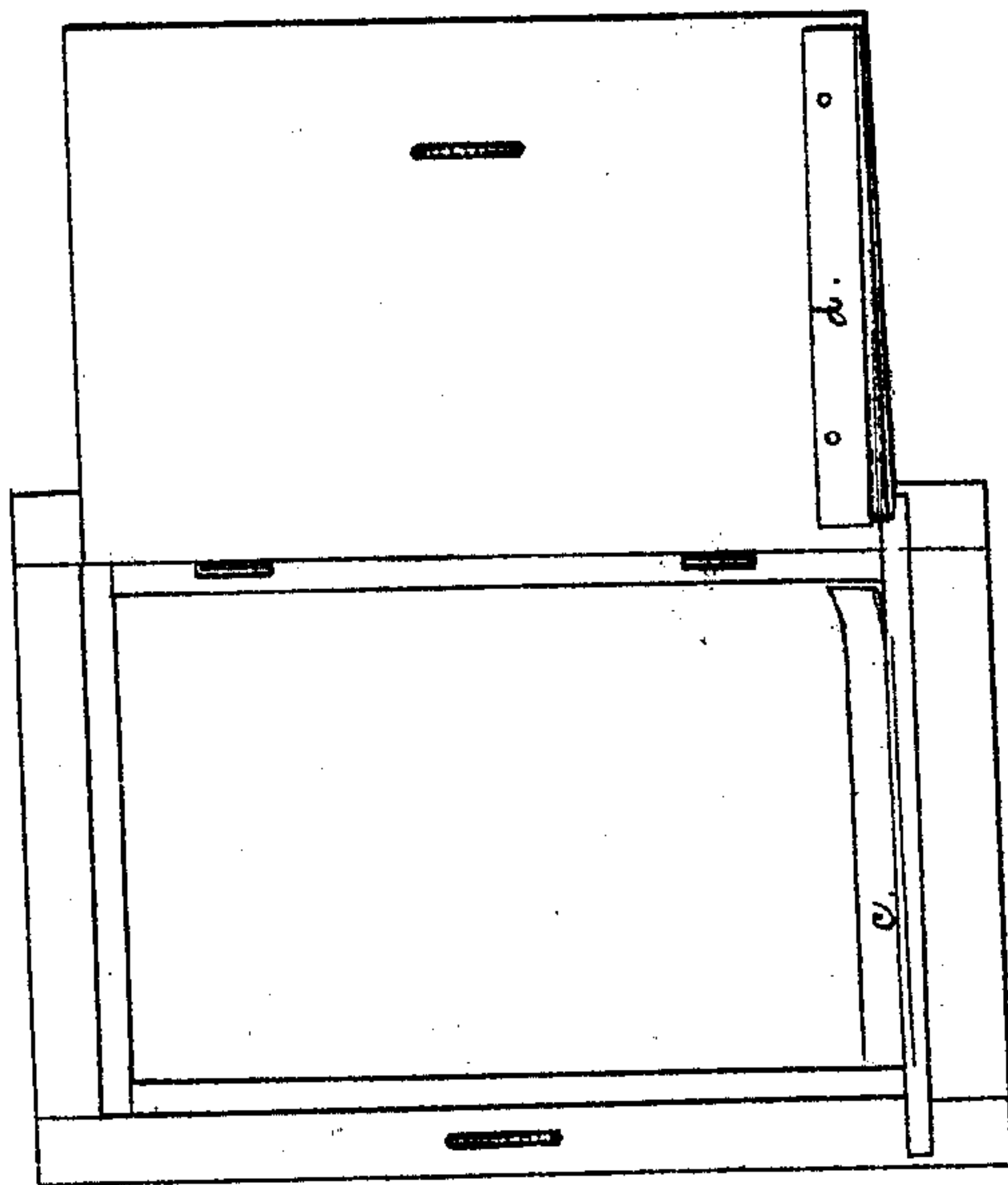


Fig. 1.



Inventor

Witnesses

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ABRAHAM DODDER, OF WASHINGTON, IOWA.

[IMPROVEMENT IN WEATHER-STRIPS.

Specification forming part of Letters Patent No. 44,613, dated October 11, 1864.

To all whom it may concern :

Be it known that I, ABRAHAM DODDER, of Washington, in the State of Iowa, have invented a certain new and useful Improvement in Weather-Strips for Doors ; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, and to the marks and letters thereon.

Of the drawings which form part of this specification, Figure 1 represents a door and door-frame with my weather-strip attached thereto, the door being open ; and Fig. 2 represents the door in like position, and by longitudinal section a part of the door-frame, the first figure being made from a view on the inner side of the doorway.

In each of these figures, where like parts are shown, like marks and letters are used to indicate the parts.

In carrying out my invention a recess in the sill or door-strip, as is indicated in Fig. 2, is made between the front part, *a*, and the back part, *b*, of the sill or strip, to the front edge of which recess a plate, *c*, is attached by suitable devices, or the plate may be held by pivots fitting into the side pieces of the door-frame.

In Fig. 1 the blue line indicates the plate *c* lying in the recess, and the red lines the elevated position of the plate.

In Fig. 2 the plate *c* in the recess is shown by the black lines and the elevated position by the red lines. The end of the plate near the hinged side of the door, as is shown by Fig. 1, is slightly turned up at the inner corner or angle. With the exception of this slight elevation, the plate, when down, will

be in line with the upper surface of the sill or strip, as is indicated by Fig. 2.

Upon the door are two strips or plates, *d* and *e*. The lower one, *e*, is slightly inclined, as shown by Fig. 1, its edge or angle near the hinged side of the door being turned down. The upper strip or plate, *d*, does not extend outward as far as the lower plate, *e*. On closing the door the angle or corner of the plate *e* will pass under the angle or corner of the plate *c*, attached to the sill, and, lifting up the plate *c* as the door is closed, will carry the inner edge of the plate *c* near to or against the door and under the plate or strip *d*. The crack or space between the bottom of the door and the sill or strip will, therefore, when the door is closed be completely protected, so that rain, dust, and wind will be as effectually excluded as it is possible to exclude, by a weather-strip, these or any other damaging means. When the door is open, none of the plates will in any way interfere with the free and complete use of the doorway.

The plates *d* and *e* can be secured to the door by any suitable devices.

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

The hinged or pivoted plate upon the door-strip or bed of the frame of the door, in combination with the plates or strips attached to the door, the parts being constructed and arranged in relation to each other and operated as herein set forth.

ABRAHAM DODDER.

Witnesses :

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