

(No Model.)

L. M. PRATT.
WEATHER STRIP.

No. 377,838.

Patented Feb. 14, 1888.

Fig. 1.

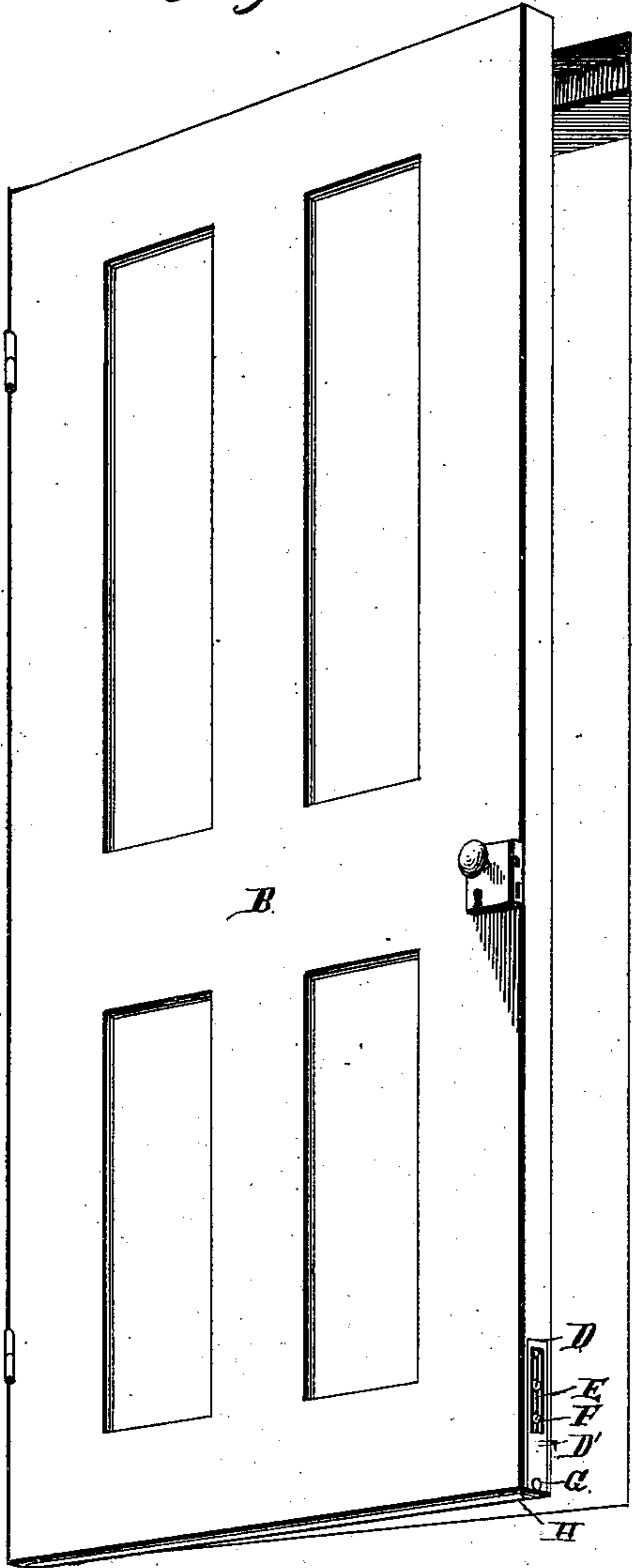


Fig. 2.

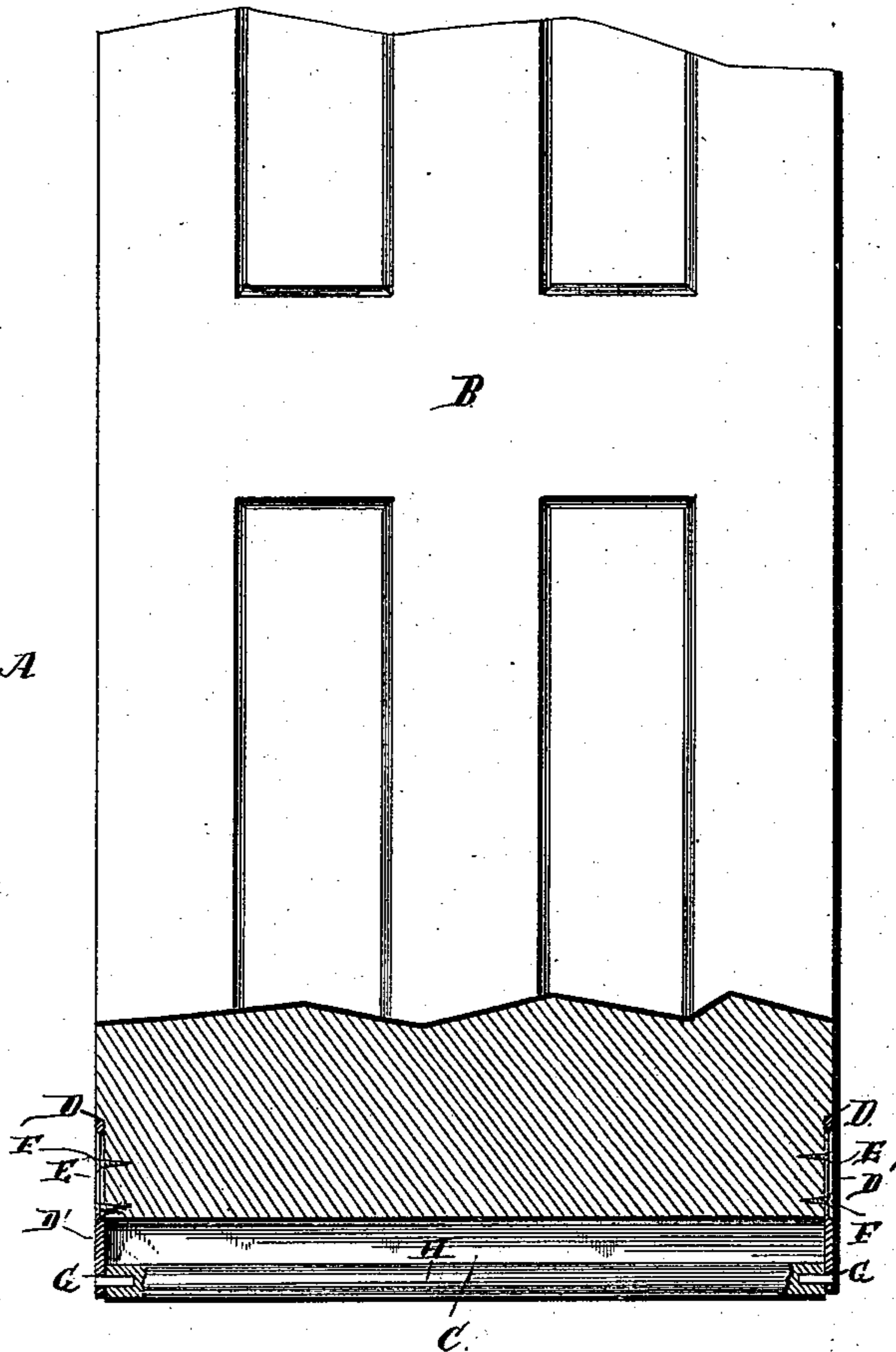


Fig. 3.

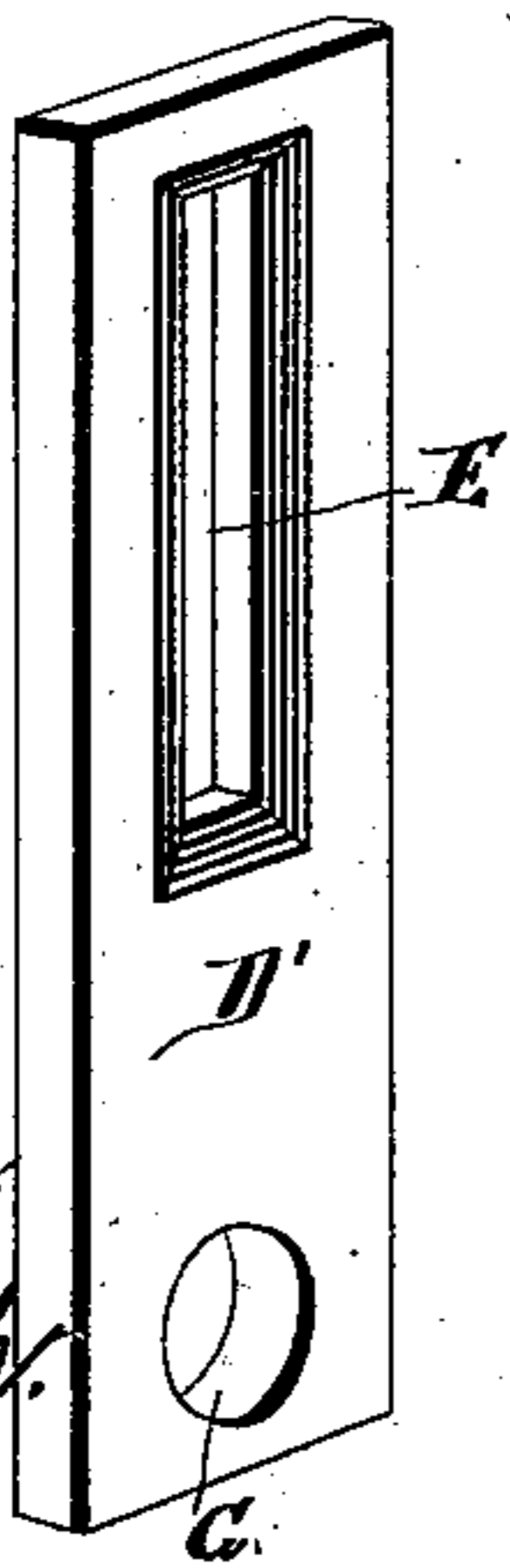
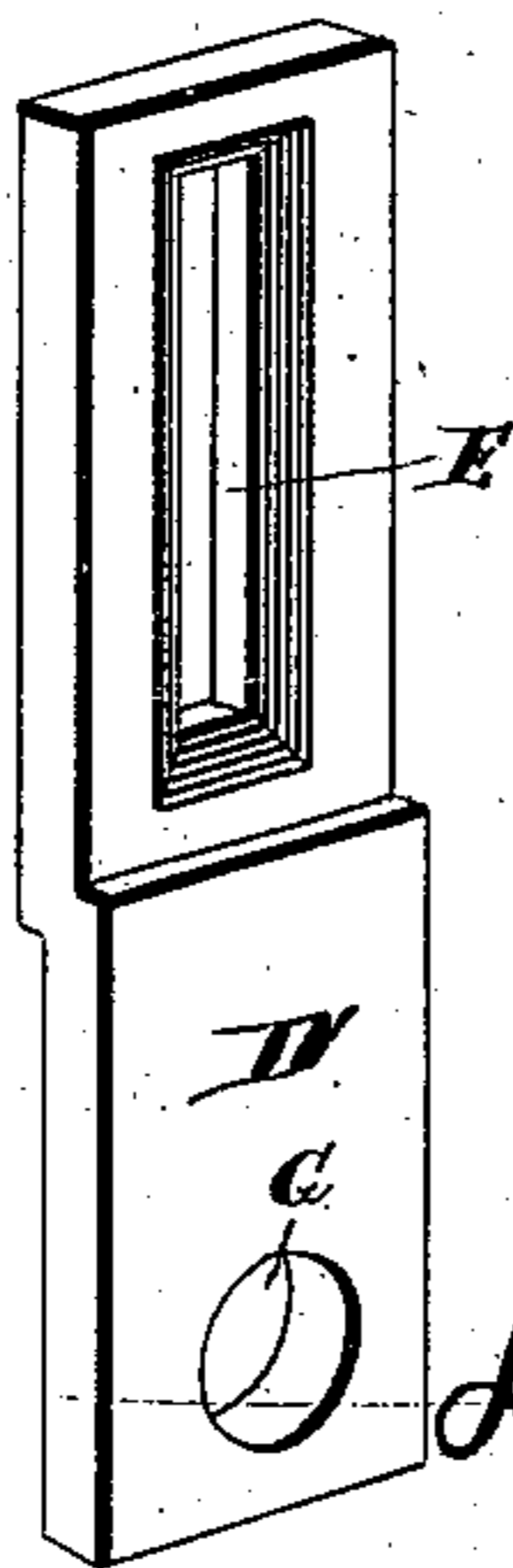


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

LEWIS M. PRATT, OF BELLEVILLE, KANSAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 377,838, dated February 14, 1888.

Application filed November 3, 1887. Serial No. 254,202. (No model.)

To all whom it may concern:

Be it known that I, LEWIS M. PRATT, a citizen of the United States, residing at Belleville, in the county of Republic and State of Kansas, have invented a new and useful Improvement in Weather Strips, of which the following is a specification.

My invention relates to improvements in weather-strips; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, which fully illustrate my invention, Figure 1 is a perspective view of a door provided with my improved weather-strip and partially opened. Fig. 2 is a longitudinal section of the lower portion of the door; and Fig. 3 is a detail perspective view of the bearing-plate. Fig. 4 is a detail view showing another form of bearing-plate.

Referring to the drawings by letter, A designates the door-frame, and B the door, hinged thereto in the ordinary manner, as shown. The door is provided in its lower edge with a recess, C, which extends entirely across the width of the door, and in the side edges of the door I form the grooves D, which communicate at their lower ends with the recess C, and in which the bearing-plates D' are mounted. These bearing-plates D are provided in their upper portions with the longitudinal slots E, through which the retaining-screws F are inserted into the door and by means of which the adjustment of the bearing-plates to and from the lower edge of the door is made possible. The edges of the slots E are beveled, as most clearly shown in Fig. 3, in order that the heads of the retaining-screws may be driven in flush with the outer surface of the plate, so that when the door is closed the said screws will not contact with and injure the door-jamb nor prevent the entire closing of the door. In the lower ends of the bearing-plates I form openings G, in which I journal the ends of the axis of a roller, H, which fits in the recess C

in the lower edge of the door and projects slightly below the same, as shown. In Fig. 4 I have shown the bearing-plate as having its lower portion projected outward slightly. This construction brings the end of the roller nearer the door, so as to prevent air passing between the jamb and the edge of the door.

In practice, when the door is closed, this roller rides over the threshold and effectually closes the space between the lower edge of the door and the threshold, thereby preventing the entrance of cold air, as will be readily understood. The roller can be readily set to project more or less from the lower edge of the door, according as the space between the same and the threshold may be greater or less, by adjusting the bearing-plates, as will be readily understood.

It will be seen that I have provided a very simple and efficient device, which can be manufactured at a small cost and can be readily applied and operated by an unskilled person.

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

The combination of the door having the horizontal recess C in its lower edge, and the vertical grooves D in its side edges, the plates D', fitted in the grooves D, and having the longitudinal slots E, provided with beveled edges, the retaining-screws inserted through said slots into the door, and the roller H, journaled in and between the lower ends of the plates and rotating in the recess C, substantially as set forth.

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

LEWIS M. PRATT.

Witnesses:

V. V. PRESTON,
M. B. McTAGGART.