

(No Model.)

G. W. CHINN.
WEATHER STRIP.

No. 312,610.

Patented Feb. 24, 1885.

Fig. 1.

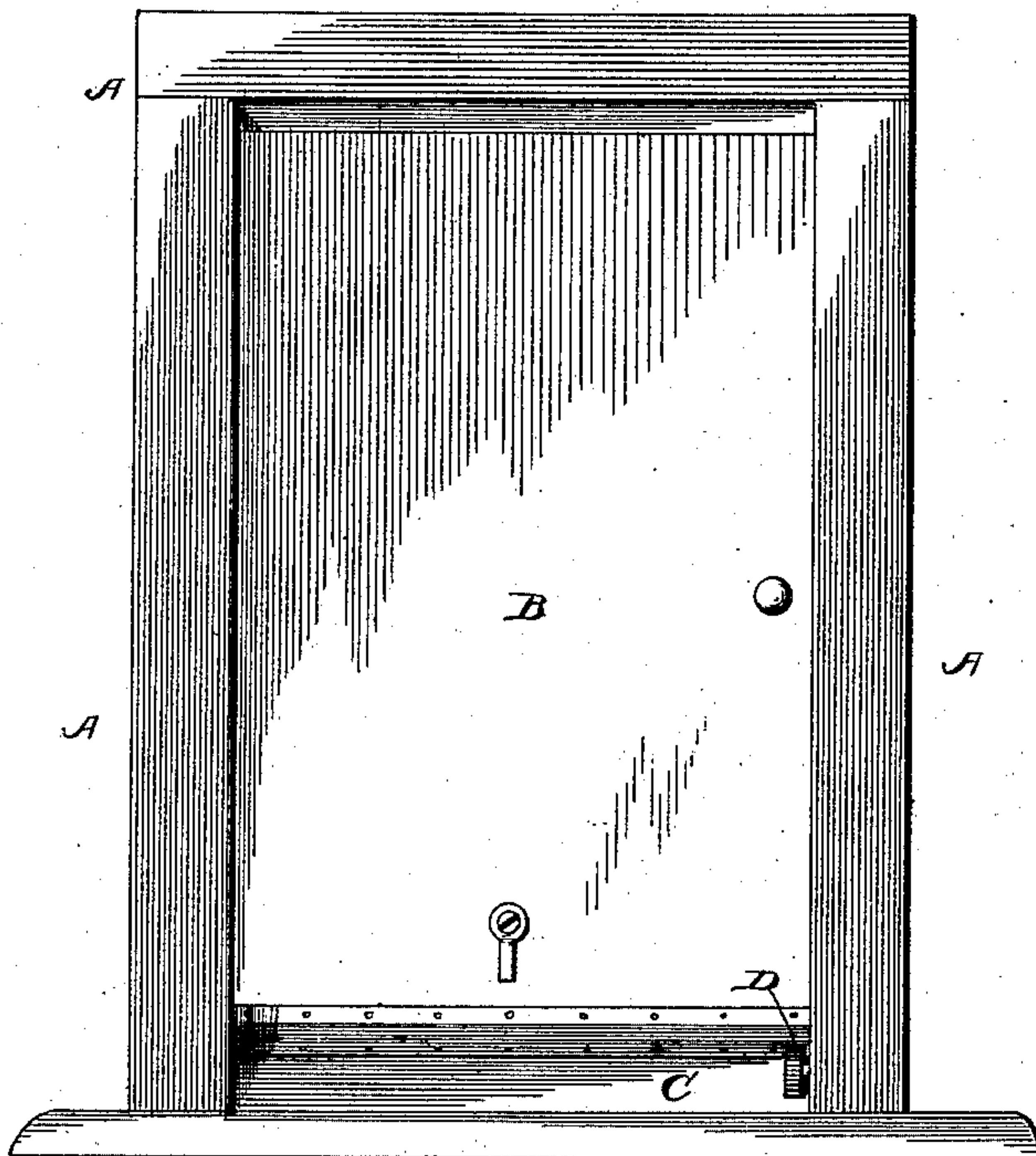


Fig. 3.

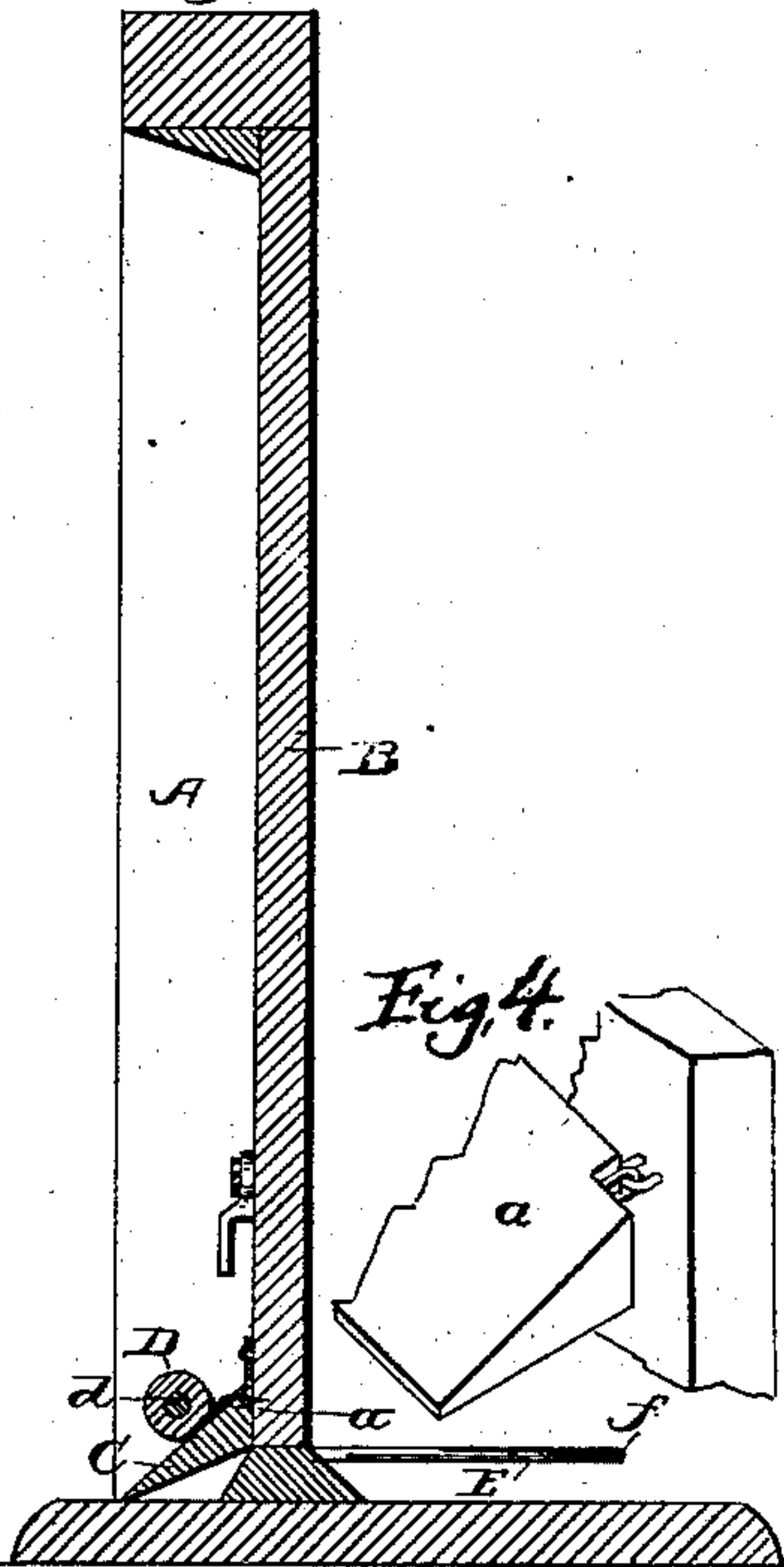
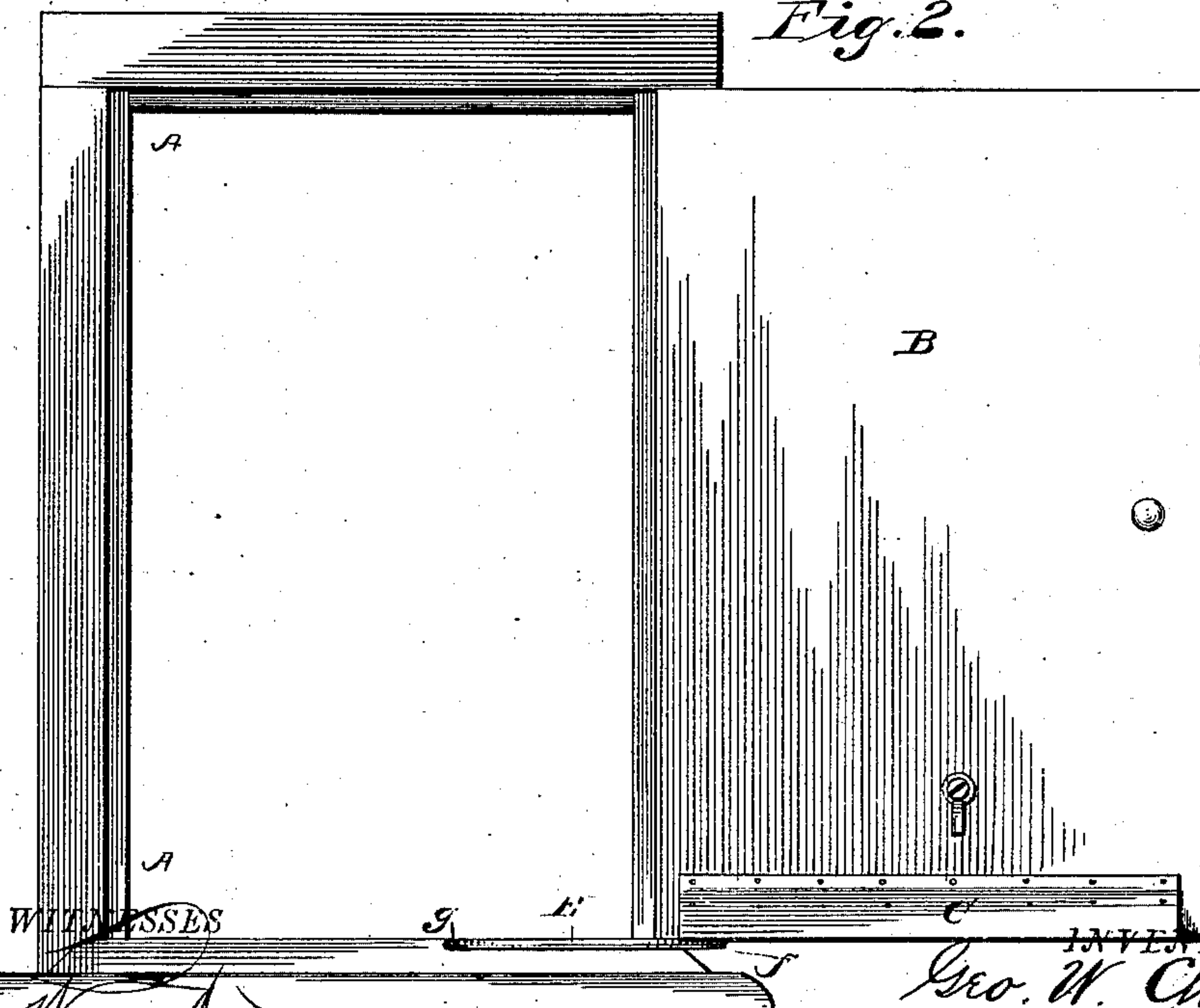


Fig. 4.

Fig. 2.



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WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 312,610, dated February 24, 1885.

Application filed November 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. CHINN, a citizen of the United States, residing at Bloomington, in the county of Macon and State of Missouri, have invented a new and useful Improvement in Weather-Strips; of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to weather-strips, and more particularly to means for holding the strip in a raised position; and it has for its object to provide a device for the purpose stated which shall be simple in construction and efficient in operation.

With these ends in view the invention consists in the improved construction and combinations of parts, hereinafter fully described, and pointed out in the claim.

In the drawings, Figure 1 is a front elevation of a door-frame and door, showing a weather-strip applied thereto and the means for holding the same in position. Fig. 2 is an elevation from the other side of the door, showing the means for supporting the weather-strip when the door is opened. Fig. 3 is a transverse vertical section. Fig. 4 is a detached perspective view showing the connection of the strip with the door.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents the door-frame, and B the door, which may be of an ordinary well-known construction.

C represents a weather-strip which is secured to the inner side of the door at the lower end thereof by means of eyes or loops *a*, which engage similar eyes or loops on the door. A strip of leather, felt, or other suitable material is secured to the upper end of the weather-strip and to the door, thus forming a hinge in addition to the connection above described, and also sealing or closing the joint between the strip and door. Upon the door, a suitable distance above the weather-strip, is pivoted a catch, which, when the said strip is turned back, is adapted to be turned down to engage the upper end of the strip and support the same in a raised position. Upon the inner side of the door-frame, near the lower end

thereof, is provided a roller, D, which is journaled upon an outwardly-extending bolt or pin, *d*. By the use of this roller it will be seen that when the weather-strip is lowered and the door closed, as shown, said roller will bear upon the upper side of said weather-strip and serve to hold the same in close contact with the floor. Outside of the door, and adjacent to the side at which said door is hinged, is provided a support, E, which is secured to the base-board, and is adapted when the door is opened to hold or support the weather-strip. This support E consists of a single piece of wire bent outwardly to a point, *f*, from whence it is bent inwardly, as shown at *g*, and forms an arc, as shown.

From the above description it will be seen that by the employment of the devices above described the weather-strip is held in close contact with the floor, and will prevent, so far as is possible, the entrance of air, and will thoroughly prevent the entrance of either snow or rain. It will further be seen that said weather-strip may be turned back and held in such position, when desired, and that when the door is opened it is supported, thus relieving the hinges from any strain, and preventing the strip from dragging.

The devices described are simple in their construction, easily applied, thoroughly effective in their operation, and may be applied at a slight cost.

In order to define the nature, scope, and advantages of the present invention, I would state that it is not new to hinge weather-strips by employing eyes or loops; also, that it is not new to provide leather or the like as an additional means for hinging the strip, so that the leather covering closes the connection or joint; also, that it is not broadly new to provide a lever for holding the strip in a raised position when not in use; but I am not aware that a swinging catch has been pivoted to the door above the strip, so that when the latter is thrown up the catch may be turned or swung downward to engage the lower edge of the strip and support the same in a raised position.

Having fully described my invention, what I

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

5 As an improvement in weather-strips, the combination, with the door, of the weather-strip hinged to the door, and a swinging catch pivoted to the door a suitable distance above the strip, so that when the latter is thrown up the catch may be turned or swung downward to engage the lower edge of the strip and sup-

port the same in a raised position against the door, as set forth.

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

GEORGE W. CHINN.

Witnesses:

RD. A. BROWN,
THOMAS THOMPSON.