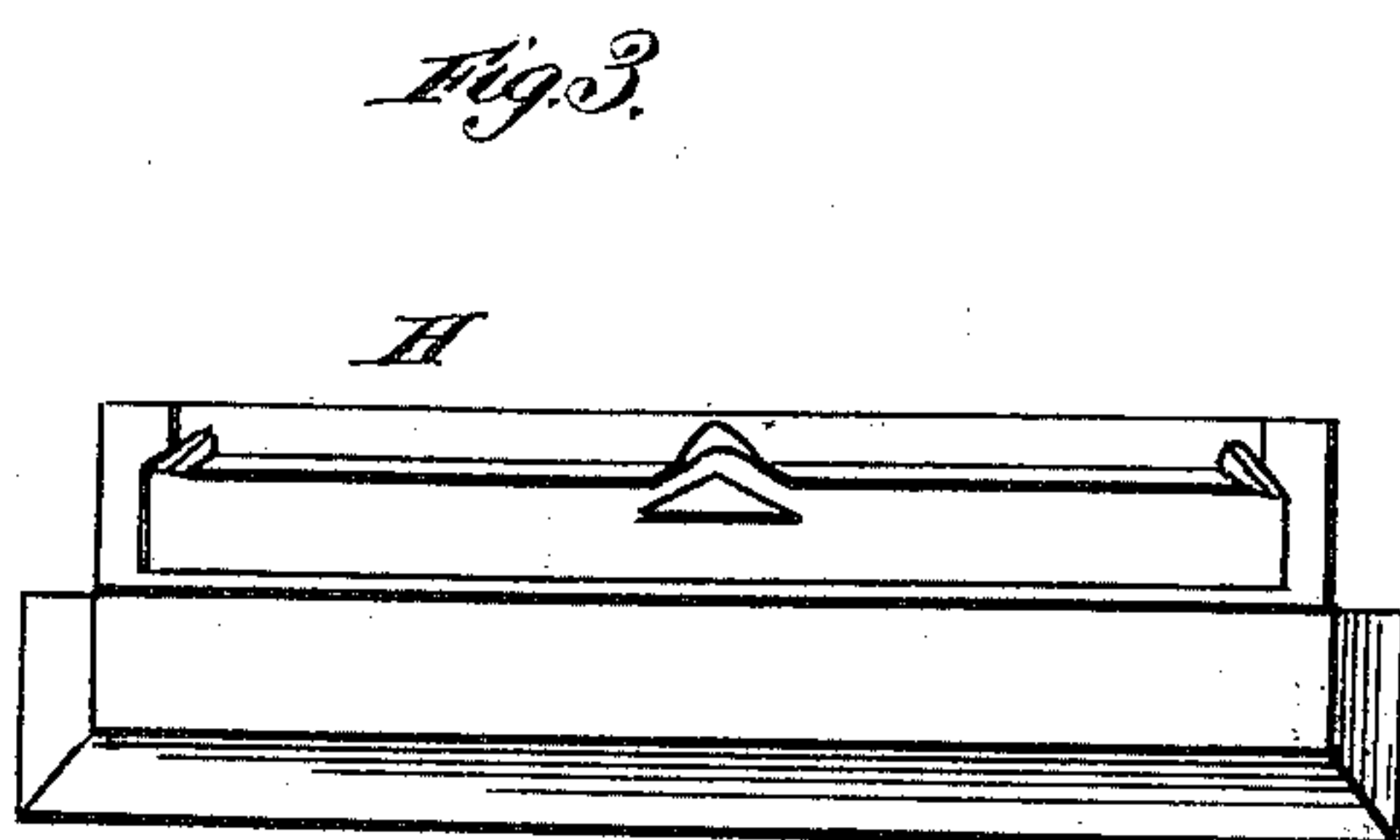
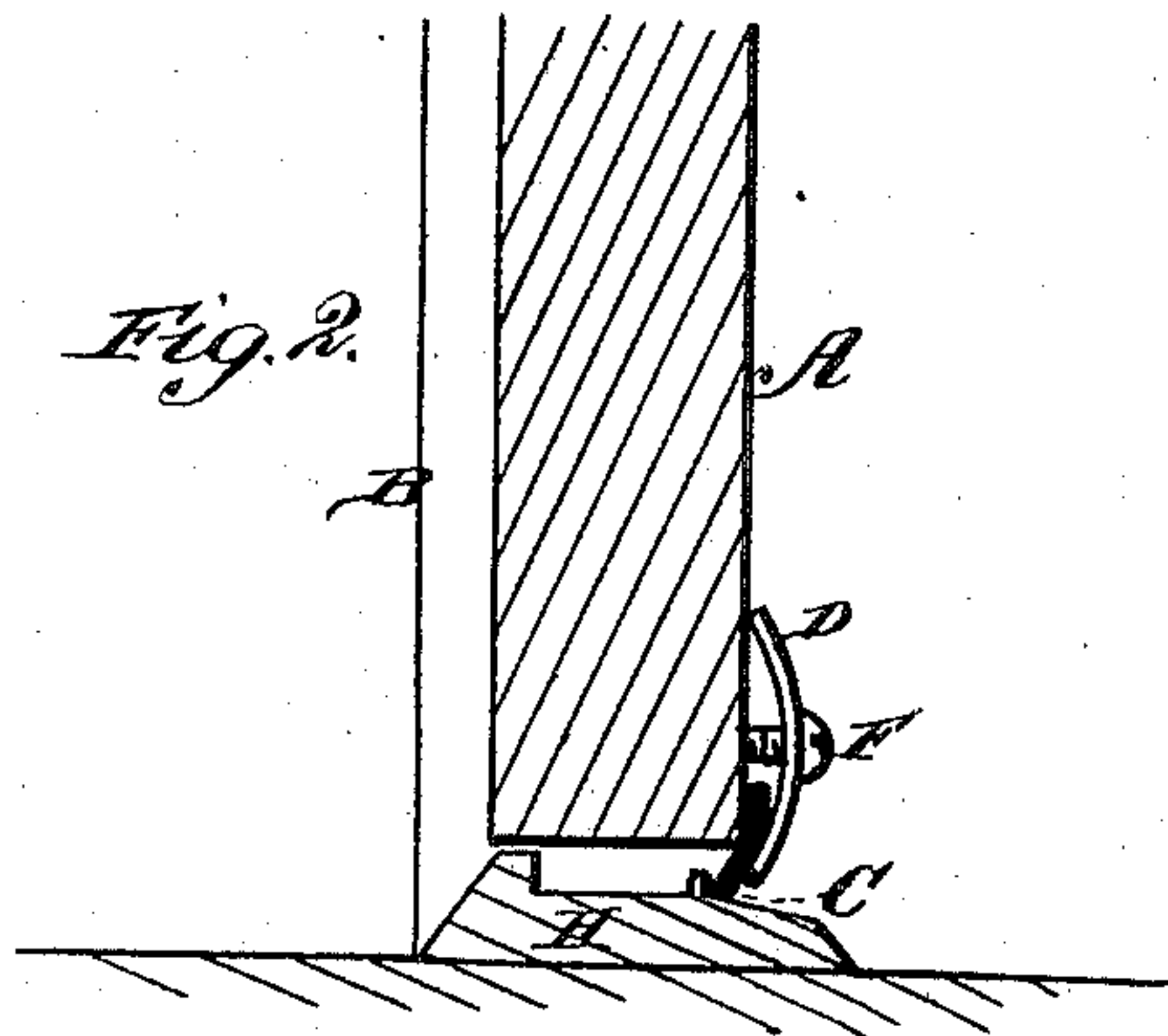
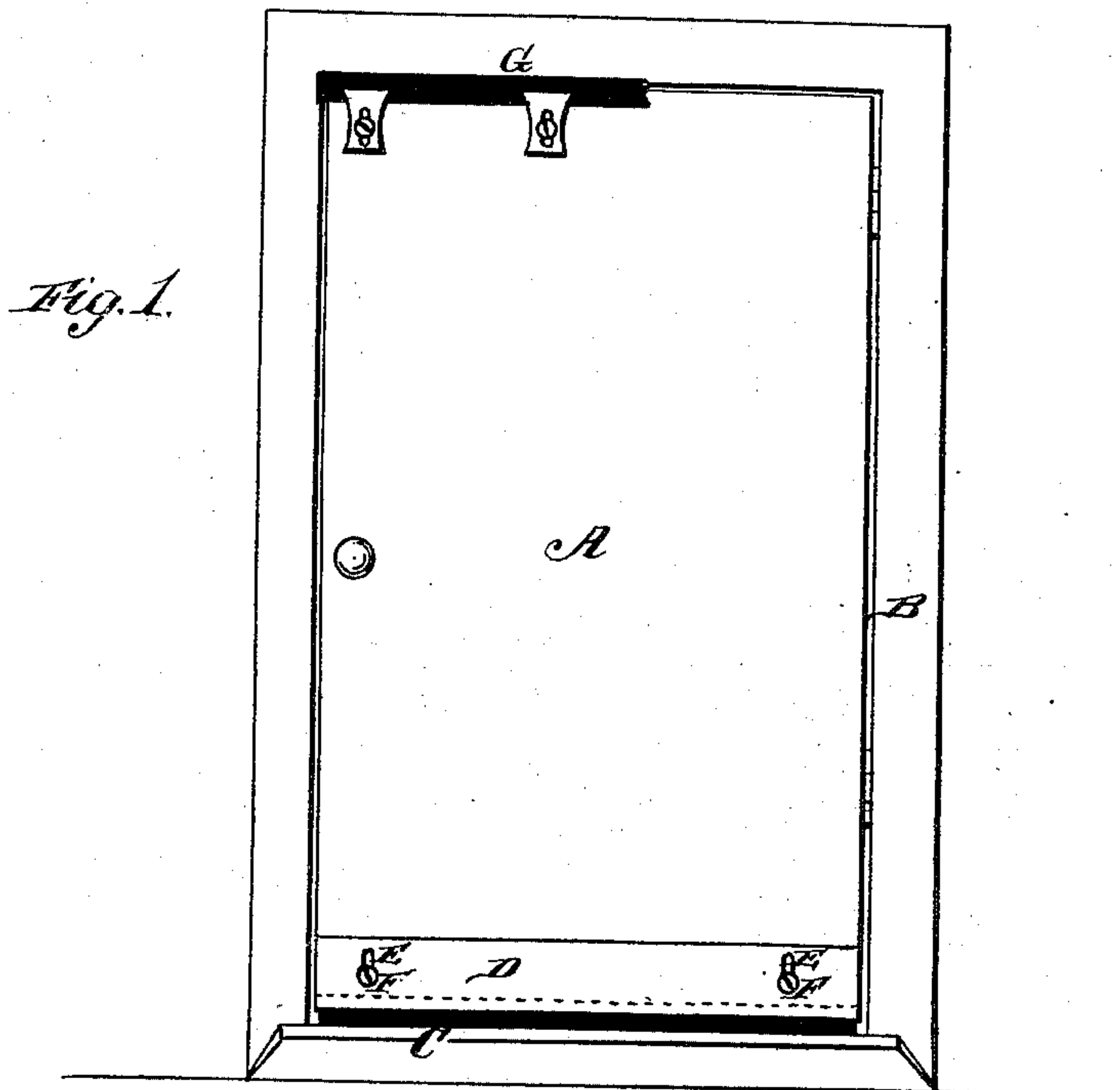


W. J. ANDERSON.
Weather-Strip.

No. 223,796.

Patented Jan. 27, 1880.



WITNESSES
Robert Everett
Chas. S. Page

INVENTOR,
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UNITED STATES PATENT OFFICE.

WILLIAM J. ANDERSON, OF HILLSDALE, IOWA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 223,796, dated January 27, 1880.

Application filed November 8, 1879.

To all whom it may concern:

Be it known that I, WILLIAM J. ANDERSON, of Hillsdale, in the county of Mills and State of Iowa, have invented certain new and useful Improvements in Weather-Strips; 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 annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a face of a door, showing my weather-strip applied; and Figs. 2 and 3 are detail views of the same.

The nature of this invention relates to weather-strips for doors; and the improvement consists in a peculiarly-constructed metal strip for holding the rubber strip in place along the lower edge of a door, as fully set forth in the following specification, and particularly pointed out in the claim.

In the drawings, A designates a door hinged in the frame B, and C the rubber weather-strip, which is secured along the lower edge of the door by a plate, D. This plate is of the form of the section of a cylinder, as shown, and is applied to the door so that its convex side is outside, the strip of rubber being arranged so as to extend up between its concave side and the door, and also to extend below the lower edge of the said plate.

E designates slots formed in the plate, and F screws which are passed through the slots into the door, whereby the plate can be vertically adjusted and then firmly secured in place. The lower edge of the plate, as herein shown, extends slightly below the lower edge of the door, and the rubber strip is clamped between the said edges of the door and plate, so that below the said two parts it sets at an angle to the side of the door, as shown. By the vertical adjustment of the slotted plate

the said angle of the strip may be varied, since, by reason of the curved form of the plate, the strip may be held either in a vertical plane or be held so as to extend inward under the door, thereby adapting the same to the construction of the frame and door which is hinged therein, and insuring a perfectly tight joint or packing to prevent the inflow of cold air, dust, or water.

At G, I have shown a rubber strip secured by small slotted plates, which are constructed upon the same principle as the long plate D.

These strips are not necessarily confined to the lower edge of the door, but may also be secured to its top or side edge.

H designates a cast-iron bed, which essentially constitutes the door-sill. This bed is channeled, so that rain or snow which is prevented from passing under the door by the weather-strip will be caught therein, and the water drained off through its channels.

My improved weather-strip is especially applicable to doors having such form of cast-iron sill.

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

A weather-strip for doors, comprising the plate D, of the form of a section of a cylinder, with slots E, through which screws are passed into the door, and a rubber strip held, in part, between the concave side of the plate and the door, and clamped between the lower edges of the door and plate, as herein shown and described, and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

W. J. ANDERSON.

Witnesses:

L. P. ANDERSON,
STEPHEN HOBSON.