

(No Model.)

I. COPPOCK.
WEATHER STRIP.

No. 272,213.

Patented Feb. 13, 1883.

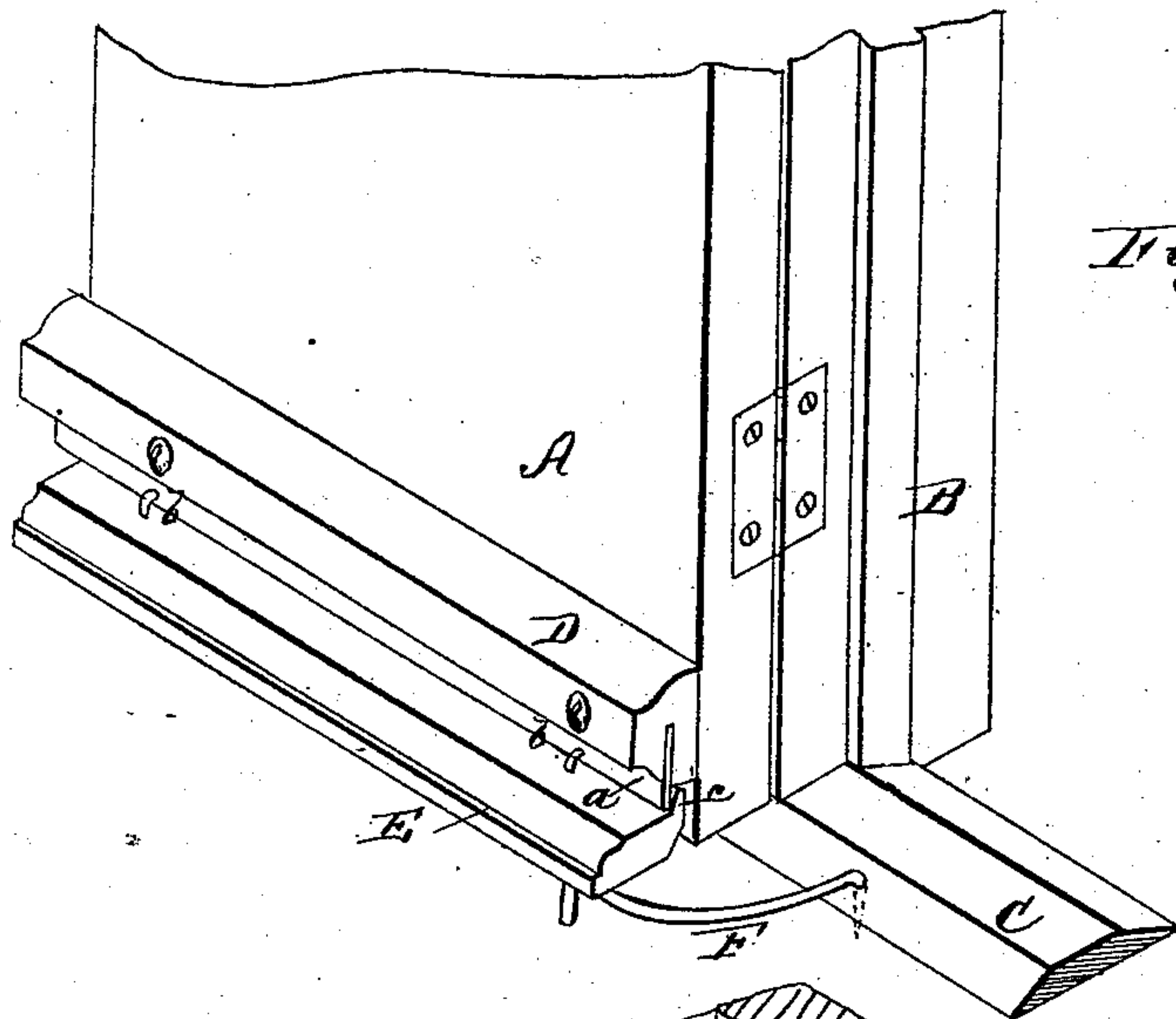


Fig. 1.

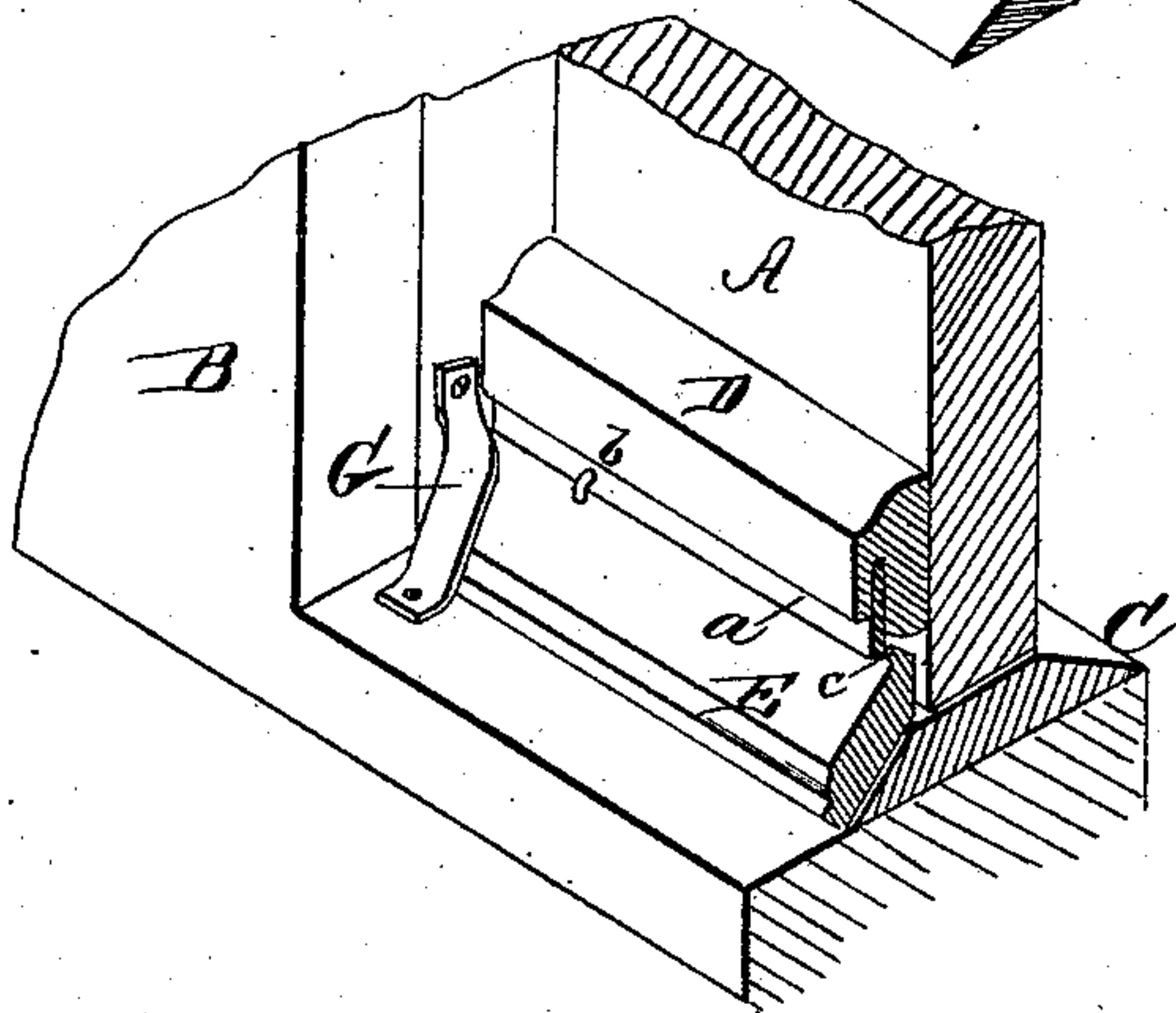


Fig. 2.

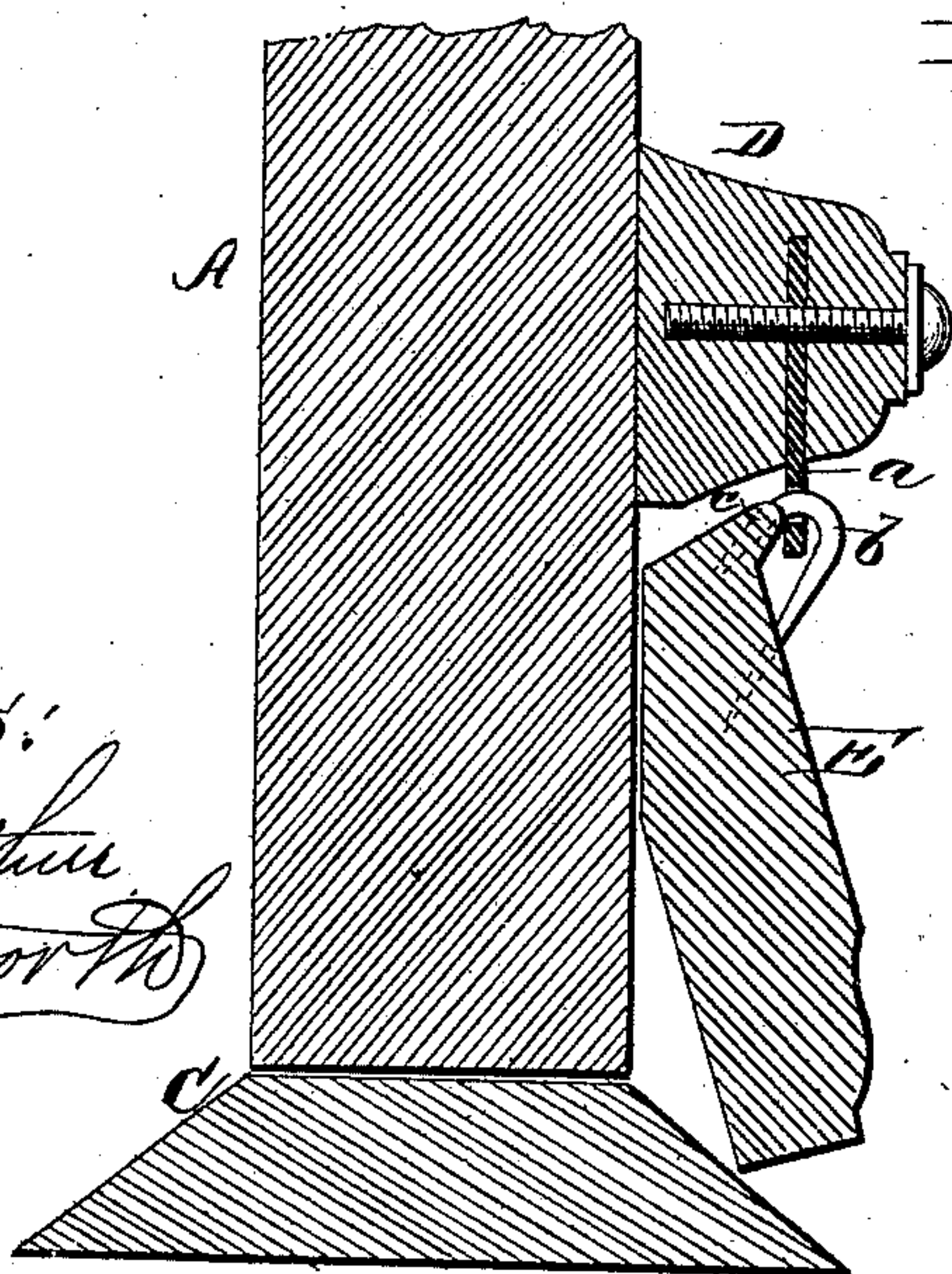


Fig. 3.

Witnesses:
H. C. McArthur
W. B. Keyworth

Inventor:
Ivin Coppock.

per W. Alexander
Attorney.

UNITED STATES PATENT OFFICE.

IRVIN COPPOCK, OF BARCLAY, KANSAS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 272,213, dated February 13, 1883.

Application filed May 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, IRVIN COPPOCK, of Barclay, in the county of Osage and State of Kansas, 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 thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a perspective view, showing the door open. Fig. 2 is a similar view, showing it closed. Fig. 3 is a vertical section through my weather-strip.

This invention relates to weather-strips which are designed for accurately closing the space between a shut door and the threshold; and the nature of my invention consists in the combination and arrangement of the parts, as will be hereinafter described, and pointed out in the claim.

The letter A designates a door, which is hinged in the well-known manner to the door-frame B, and C designates the sill-strip at the threshold of the door. D is a wooden strip, which is rigidly secured to the door near its lower end and parallel thereto, and *a* is a metal strip, which is rigidly secured in a groove made in the lower edge of the door-strip D. The strip *a* has hinged to it, by means of staples *b b*, a weather-strip, E, the upper edge, *c*, of which is adapted to fit closely under the edge of the metal strip *a* and to form a close joint. The weather-strip E is free to rise and descend and to lie snugly upon the outside beveled surface of the sill-strip C when the door is shut. When the door is fully or partly open that end of the weather-strip which is next to the hinged side of the door is supported upon a rail, F, which may be made of a metal rod having the

form of a segment of a circle, and secured fast to the door-sill or floor, so that its highest surface is in the same horizontal plane as the corresponding surface of the sill-strip C. By means of this supporting rail or piece F the weather-strip is held in a position, after leaving the sill-strip, to pass freely upon this strip when the door is in the act of being shut.

For the purpose of holding the weather-strip E down snugly upon the sill-strip when the door is shut, I employ an inclined spring, G, as shown in Fig. 2. This spring G is made of elastic material, and it is secured at both ends, so that when the door is shut the strip E will be forced down snugly with an elastic pressure. The spring, being made of elastic material, will close the joint at the end of the strip E.

Having described my invention, I claim—

In a weather-strip for doors, the combination, with a door, of the sill having inclined sides, the fixed door-strip D, slotted so as to embrace a rigid plate with eyes, the weather-strip E, hung loosely to said plate by staples, the curved metal rail F, secured to the sill and floor adjacent to the hinged portion of the door, and the elastic spring G, attached by its ends to the floor and door-jamb on the opposite side of the door-frame from the rail F, and on the side of the frame toward which the door closes, the parts being arranged and organized substantially as shown, and for the purposes set forth.

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

IRVIN COPPOCK.

Witnesses:

L. H. JONES,
O. W. SIDWELL.