G. W. Carpender,

Weather Strip.

No. 64,486. Patented May 7. 1867.

Fig. 1

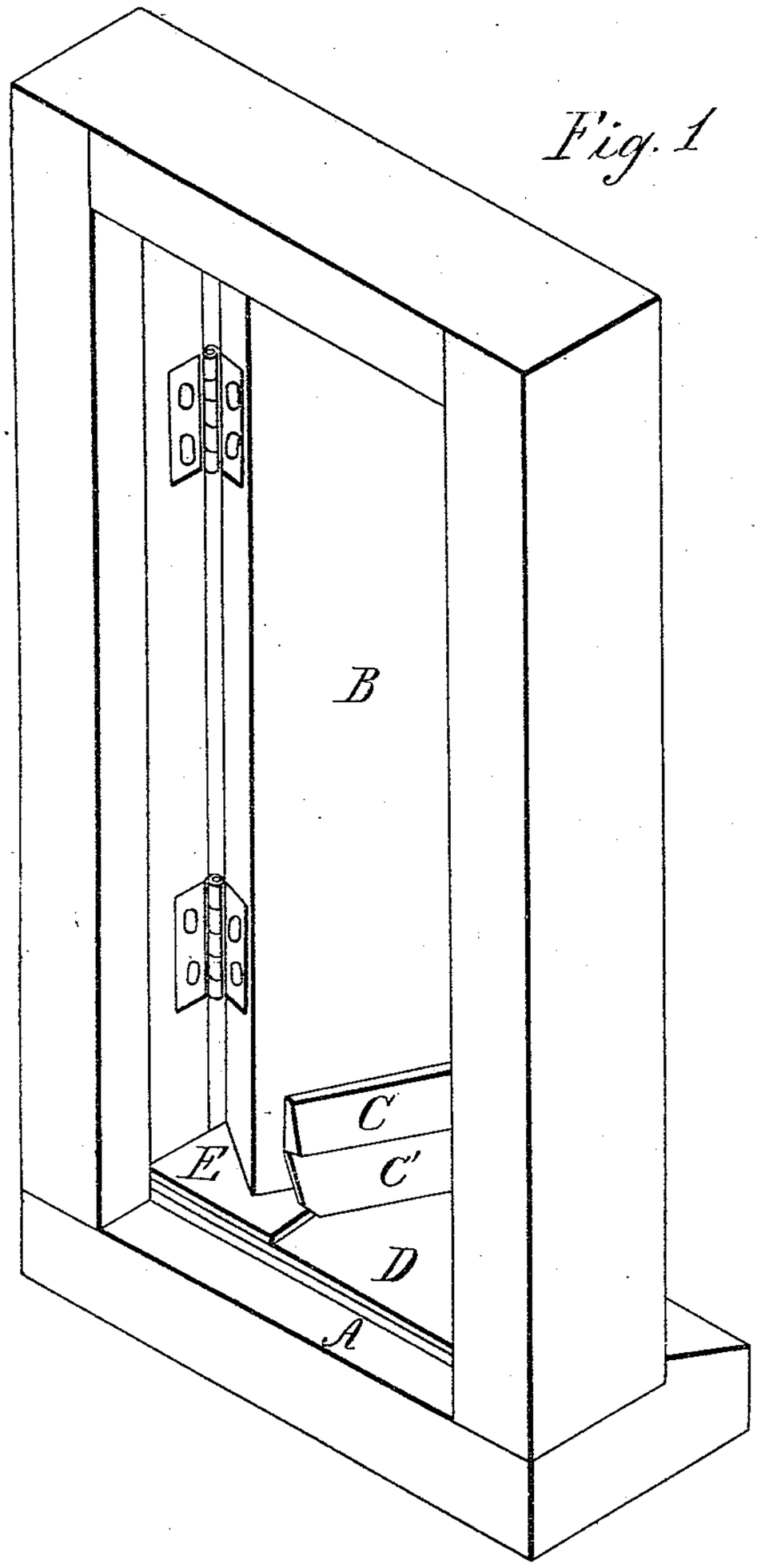


Fig. 2

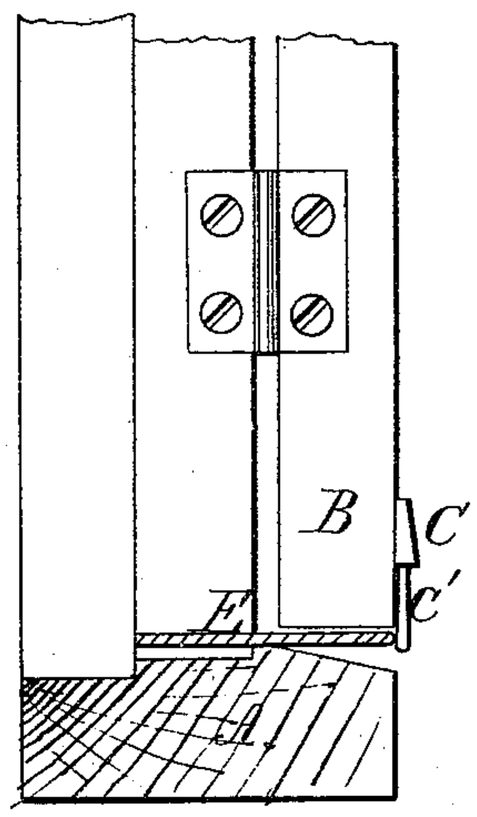
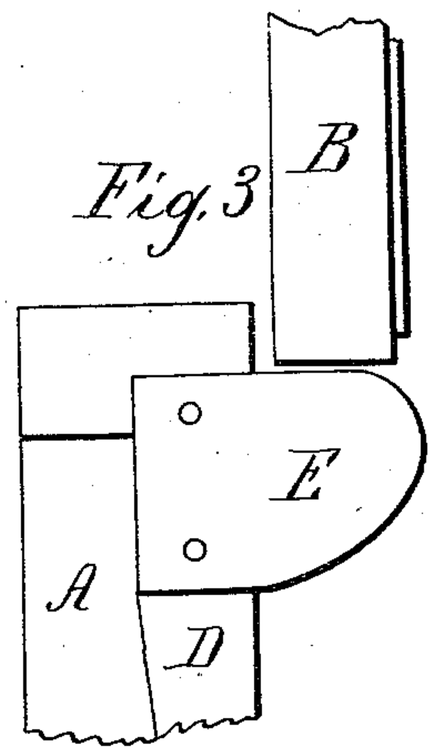


Fig. 3



Witnesses

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Inventor

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United States Patent Office

GEORGE W. CARPENDER, OF JARVIS, INDIANA, ASSIGNOR TO HIMSELF AND P. C. STUART.

Letters Patent No. 64,486, *dated May* 7, 1867

IMPROVED DOOR-STRIP.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. CARPENDER, of Jarvis, in the county of De Kalb, and State of Indiana, have invented a new and useful improvement 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, made part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a transverse section.

Figure 3 is a plan.

In the different figures the same letters are employed in referring to identical parts.

The following description will enable persons skilled in the art to manufacture my improved weather-strip.

A is the sill of a door, and B the door. C is a cleat attached across the lower part of the door. This cleat inclines outwardly from top to bottom, and has space below on its lower edge to allow the metallic strip C′ to be suspended, by loops or hinges, by one edge to the lower edge of the cleat, in such manner that when the door is open and closed the strips C′ will hang vertically, and permitting it to rise to an angle of say forty-five degrees in passing over the strip D. D is the ordinary strip across the door-way. It does not pass directly from jamb to jamb, but the end at the latch side of the door is set slightly inward, so as to leave space between the door and casing against which it shuts to permit the weather-strip C′ to be received into a notch cut in the casing, and stand vertically between the casing and the strip D. E is a guide, attached to the piece D, and extending within the room. It is in the form of a quarter segment of an ellipse, attached to the piece D by its minor axis, and is slightly raised above the floor of the room into which the door opens.

The corner of the strip C′ is slightly bevelled, so that, striking against the inner end of the guide E, which should be slightly depressed, it will rise over the guide, sliding upon it until the door, in closing, carries the lower edge of the strip against the casing, (which should be properly protected,) when it is directed downward, and again disposed vertically, the front resting against the casing, which presses the back against the edge of the strip D, thus effectually shutting out the air from entrance below the door.

What I claim as my invention, and seek to secure by Letters Patent, is—

A hinged weather-strip C, which, in closing the door, is raised by the guide E over the threshold, and forced into a vertical position by pressure against the jamb against which it rests in front of the threshold when the door is closed, substantially in the manner set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEO. W. CARPENDER.

Witnesses:

C. L. CARPENDER,

THOMAS N. MCGAW.