

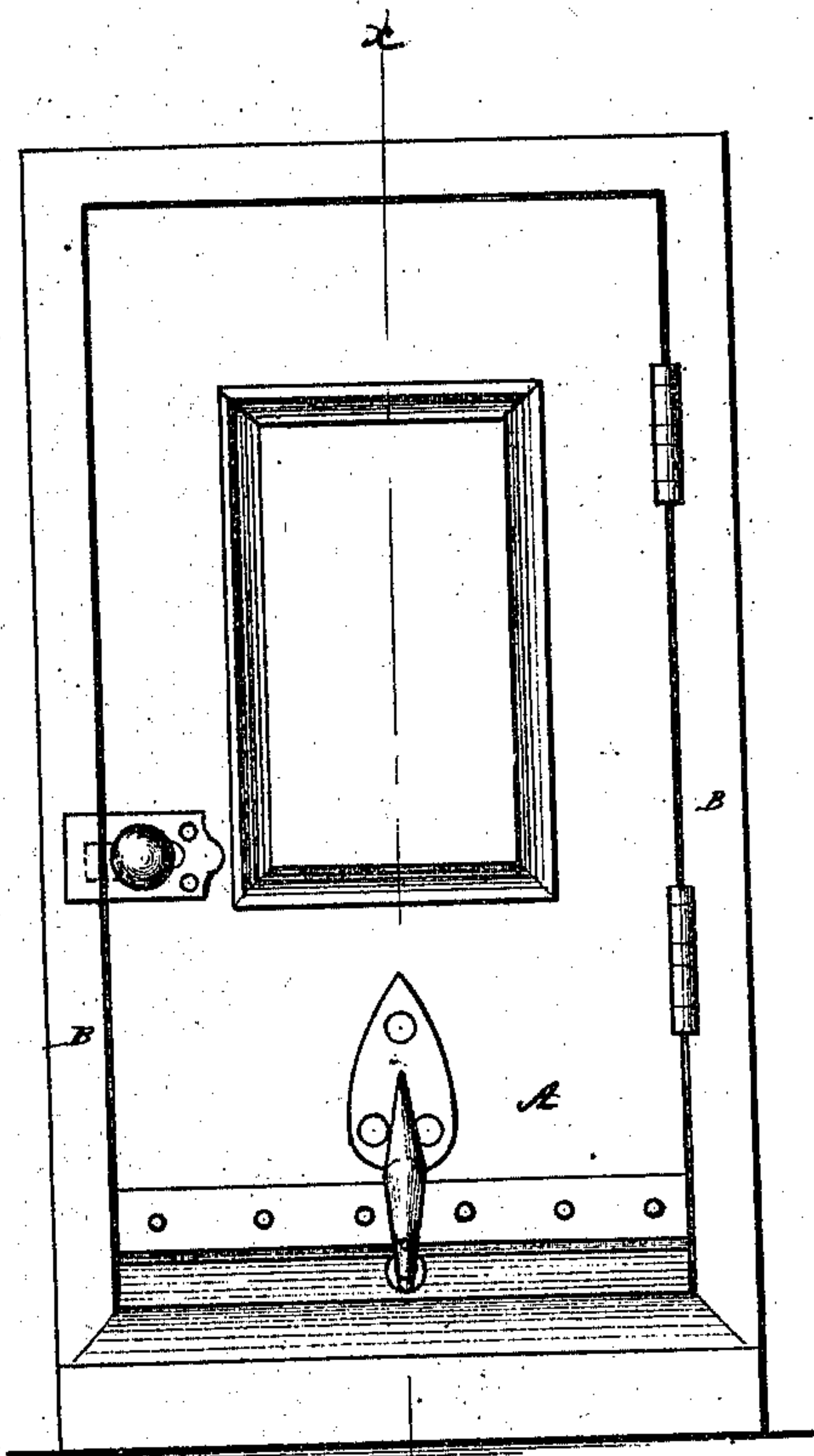
*M. Armstrong,*

*Door Sill.*

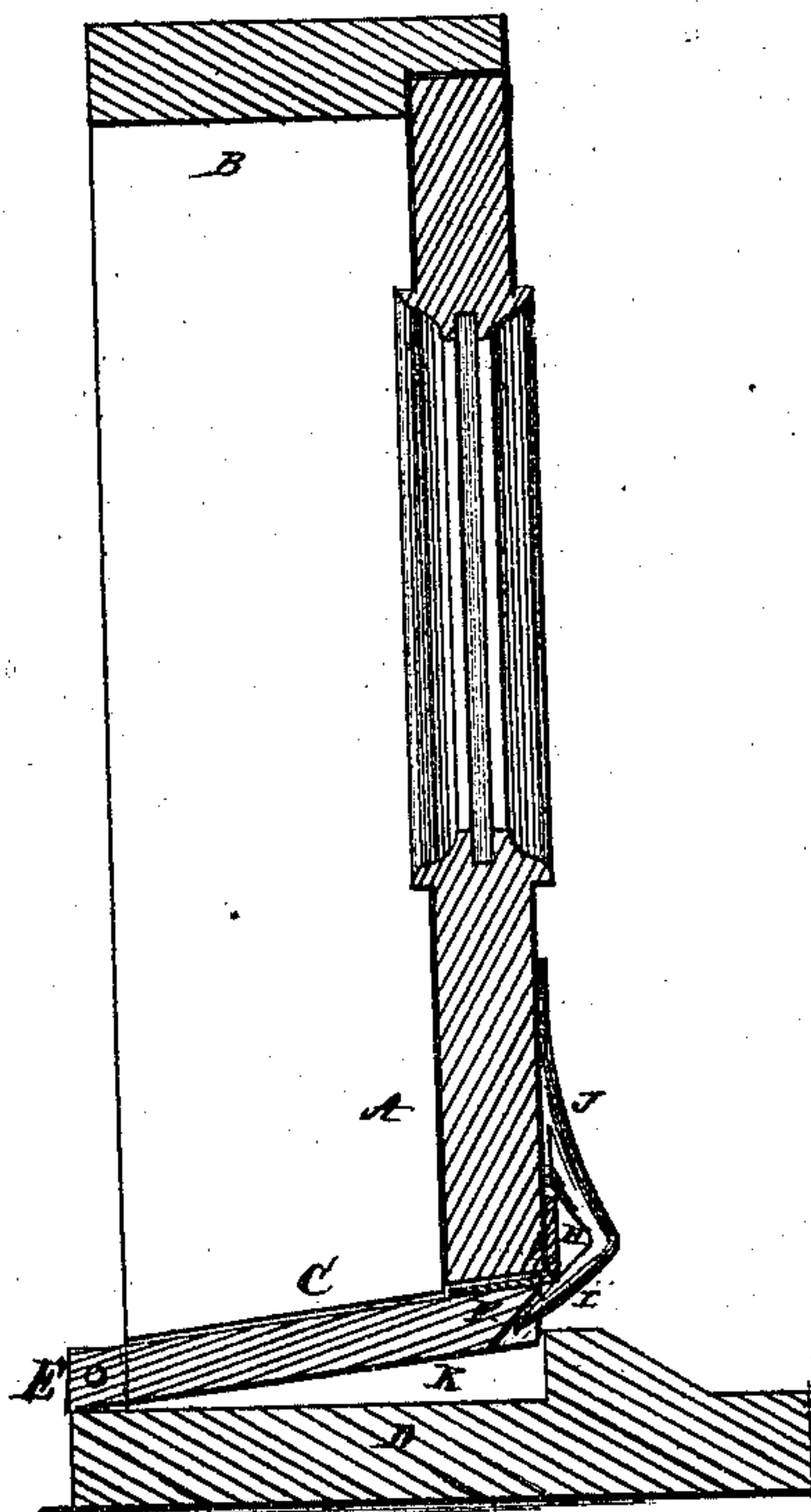
*No. 105,623.*

*Patented July 26, 1870.*

*Fig. 1*



*Fig. 2*



**Witnesses:**

*A. W. Almqvist*  
*L. S. Mahoe*

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**PER**

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# United States Patent Office.

MAURICE ARMSTRONG, OF GIRARD, ILLINOIS.

*Letters Patent No. 105,623, dated July 26, 1870.*

## IMPROVEMENT IN ADJUSTABLE DOOR-SILLS.

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, MAURICE ARMSTRONG, of Girard, in the county of Macoupen and State of Illinois, have invented a new and useful Improvement in Adjustable Door-Sill; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention relates to outside doors, sills, and weather-strips, and consists in the relative arrangement and construction thereof, as hereinafter described.

In the accompanying drawing—

Figure 1 represents an inside elevation of the door and the surrounding casing, with the sill made to operate according to my invention.

Figure 2 is a vertical cross-section of fig. 1 on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the door.

B represents the casing.

C is the adjustable sill, which is hinged to the base piece D, as seen at E.

This adjustable sill C may be made of either wood or metal, or of a combination of the two.

In this example of my invention it is made of wood with a metallic plate or strip, F, attached thereto.

H is a plate or strip of rubber or other material, which is attached to the door, and may be made, by means of slot-holes, adjustable on the door, so that a tight joint with the plate F may always be insured.

The upper side of this hook acts as an inclined plane when the door is closed, and raises the sill into the position seen in fig. 2.

The plate F projects slightly over the edge of the sill.

The hook is rigidly attached to the door, and stands at an angle of about forty-five degrees, with its point below the bottom of the door.

When the door is closed the point of the hook is inserted beneath the plate, and enters a cavity in the sill, as seen in the drawing. As this is done, the edge of the plate F slides up on the hook until it strikes the bottom of the door or the edge of the plate H.

The hook may be so adjusted that when the door is entirely closed, the sill and plate F will be tightly pressed against the door or the plate H, thus insuring a good joint and affording a sure protection against wind and water.

When the door is open the sill drops down into the recess K by its own gravity while the projecting edge of the plate F allows the point of the hook to catch under it, as before stated, when the door is closed.

By this arrangement the door may be made shorter than the door-frame, so that carpets are in no danger from the opening of the same.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The hinged sill C, having inclined plane in front, recessed base D, hook I J, projecting metal plate F, rubber H, and shortened door A, inclined on its bottom face, all combined, constructed, and relatively arranged, as and for the purpose specified.

MAURICE ARMSTRONG.

Witnesses:

J. J. RYAN,

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