

No. 835,069.

PATENTED NOV. 6, 1906.

J. T. JOHNSTON,  
WEATHER STRIP.

APPLICATION FILED APR. 19, 1906.

FIG. 1

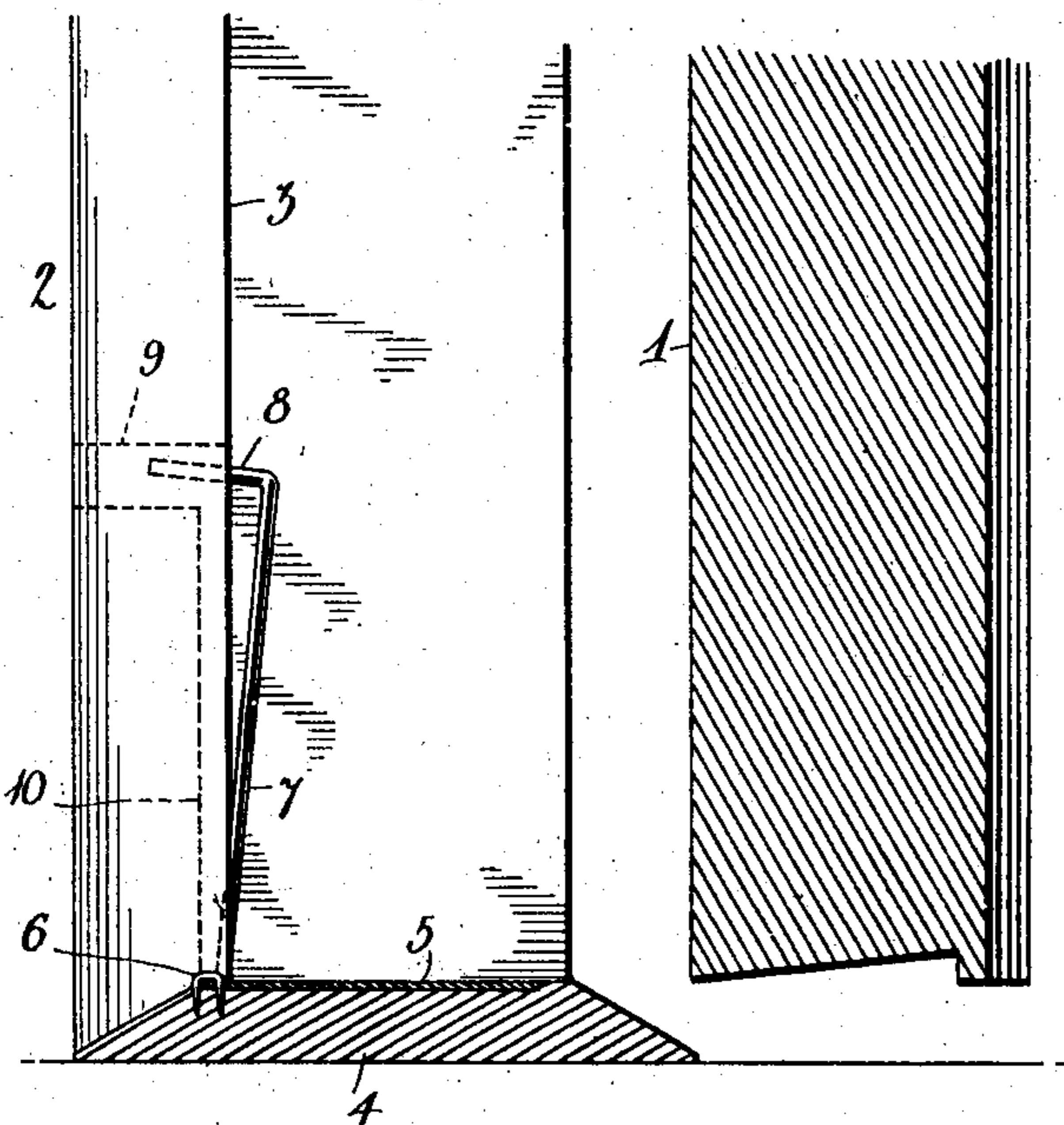


FIG. 2

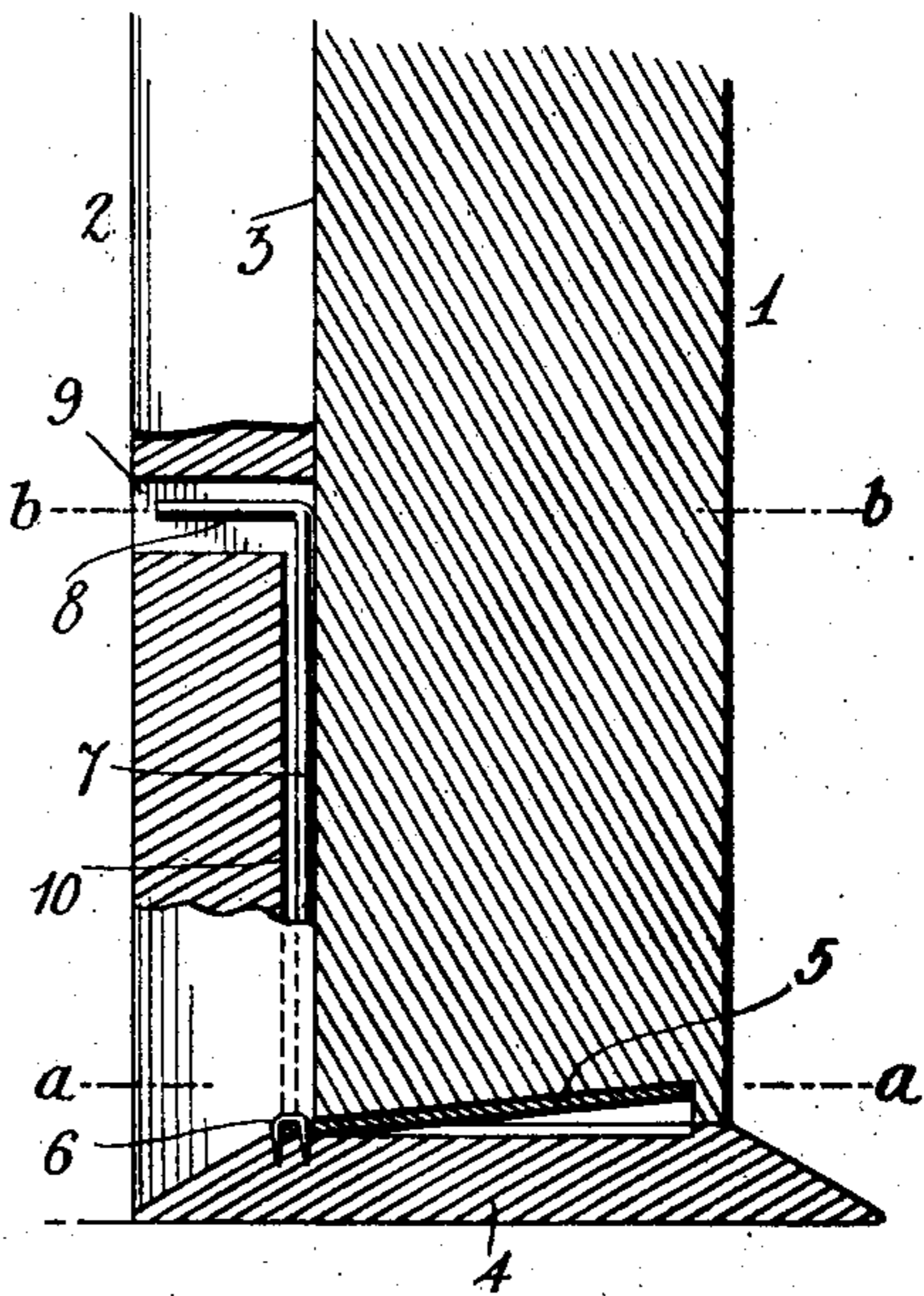


FIG. 3

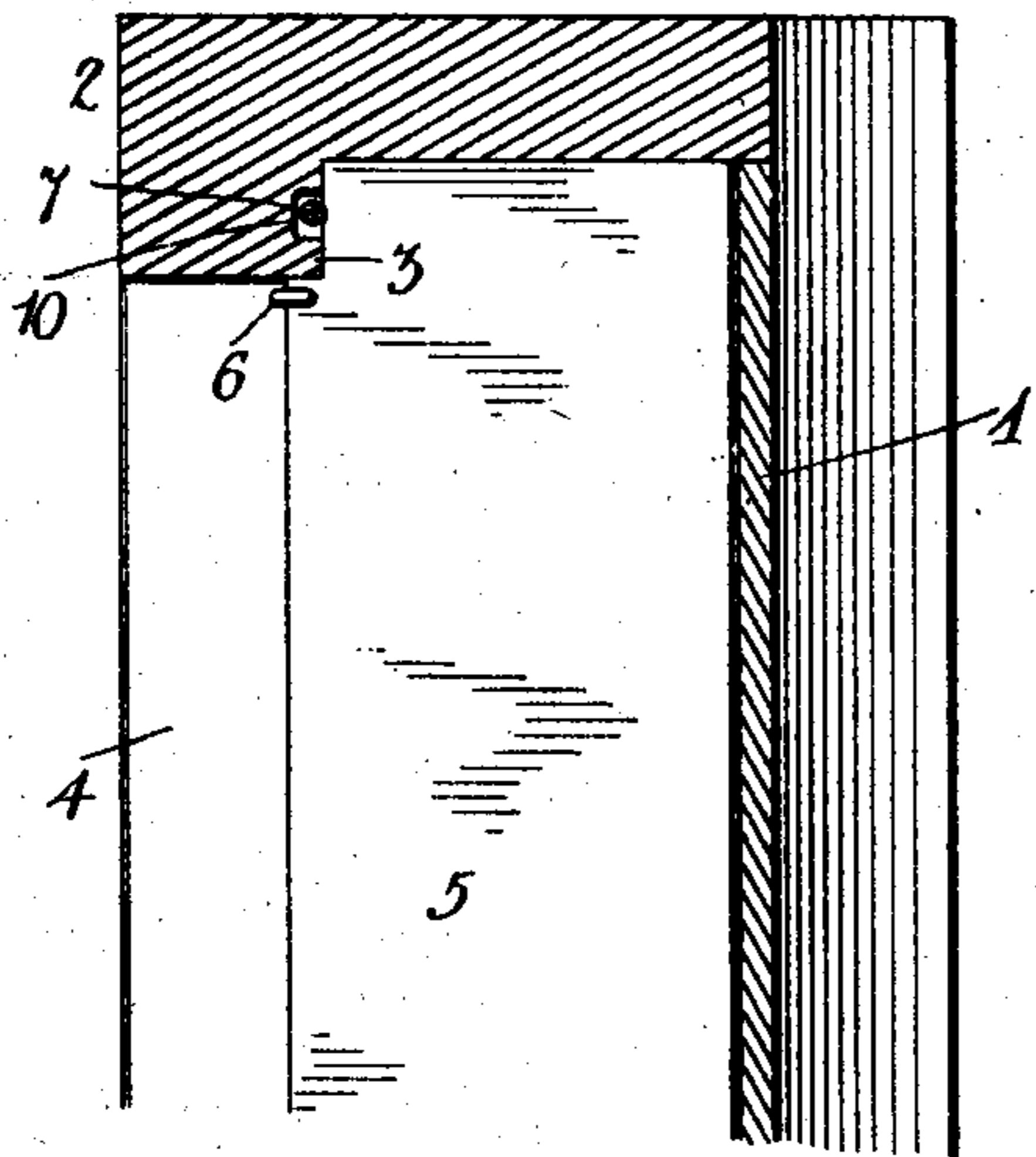
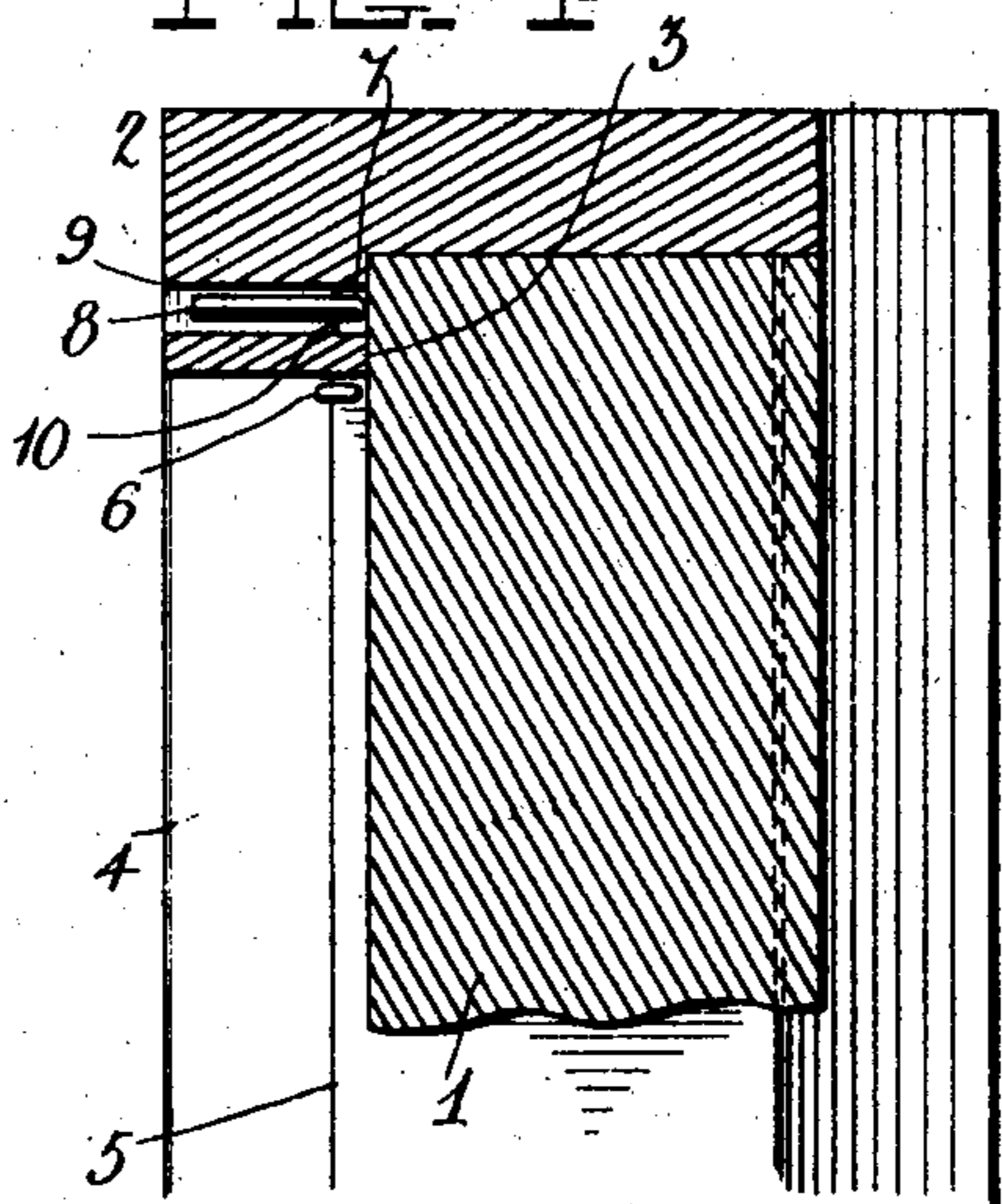


FIG. 4



Witnesses  
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# UNITED STATES PATENT OFFICE.

JOHN T. JOHNSTON, OF SANTA BARBARA, CALIFORNIA.

## WEATHER-STRIP.

No. 835,069.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed April 19, 1906. Serial No. 312,600.

*To all whom it may concern:*

Be it known that I, JOHN T. JOHNSTON, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara and State of California, have invented certain new and useful Improvements in Weather-Strips; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is an improved weather-strip for doors, hinged windows, and the like; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a sectional view of a portion of a door and a door frame or casing provided with a weather-strip embodying my invention, the door being shown partly open. Fig. 2 is a similar view of the same, the door being shown closed. Fig. 3 is a detail horizontal sectional view taken on the plane indicated by the line *a a* of Fig. 2, and Fig. 4 is a similar view on the plane indicated by the line *b b* of Fig. 2.

The door 1 and the frame or casing 2 may be of the ordinary or of any desired construction, the casing having the flange or shoulder 3, against which the door closes. The door is shown as provided in its lower side with a groove or recess the upper side of which is transversely inclined.

On the sill or carpet-strip 4 of the frame or casing is the weather-strip 5, which is preferably a metal plate of suitable size and shape. The same is hinged at its outer edge to the sill or carpet-strip, as at 6, staples being here shown to act as hinges to the platen weather-strip. The weather-strip lies in a shallow rabbet in the upper side of the sill or carpet-strip, so that when the door is open the upper side of the weather-strip is flush with that of the sill or carpet-strip.

At the end of the weather-strip corresponding to the free side of the door is an upwardly and inwardly extending operating-bar 7, which is secured to the weather-strip near the hinged side of the latter and has at its upper end a laterally-extending arm 8, which enters and operates in a substantially horizontal opening 9 in the shoulder or flange 3

of the frame. Said shoulder or flange has on its inner side, against which the door closes, a vertical groove or recess 10, which communicates with the opening 9 and serves to receive the operating-bar when the latter has been engaged by the door on the closing of the latter.

It will be understood that when the door closes and engages the operating-bar the latter serves to lift the inner free edge of the weather-strip, so that the latter is held in an inclined position transversely in the groove or recess in the lower side of the door, as shown in Fig. 2, and hence serves to close the crack below the door.

When the door is open and the weather-strip is in its lowered position, (shown in Fig. 1,) the operating-rod is in an inclined position and diverges upwardly from the shoulder 3 of the frame. The arm 8 closes the space between the upper end of the said rod and the said shoulder to prevent women's skirts from catching on the upper end of the rod and being torn thereby. The outer end of the said arm is under all conditions in the opening 9, so that a skirt cannot catch on said arm.

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

1. In combination with a door-frame and a door, the former having a shoulder against which the door closes, and said shoulder having a recess in the side contiguous to the door and an opening communicating with said recess, a weather-strip having one side hinged to the sill or carpet-strip of the frame, and an operating-rod secured to and extending upwardly from the weather-strip, said rod being in the path of the door, opposite and diverging upwardly from the said shoulder of the frame, and having an arm at its upper end extending into the said opening and closing the space between said shoulder and the upper end of said rod, the door when closed, serving to turn the said rod into the said recess or groove, and in so doing causing the said rod to lift the inner side of the weather-strip, for the purpose set forth.

2. In combination with a door-frame and a door, the former having a shoulder against which the door closes and an opening in said shoulder, a weather-strip having one side hinged to the sill or carpet-strip of the frame,

and an operating-rod extending upwardly from the weather-strip, lying in the path of the door, opposite and diverging upwardly from the said shoulder of the frame, and having an arm at its upper end extending into the said opening and closing the space between said shoulder and the upper end of said rod, for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN T. JOHNSTON.

Witnesses:

J. J. HUBEL,

HARRY W. T. ROSS.