

(No Model.)

P. W. CASSIL.
WEATHER STRIP.

No. 536,917.

Patented Apr. 2, 1895

Fig. 2

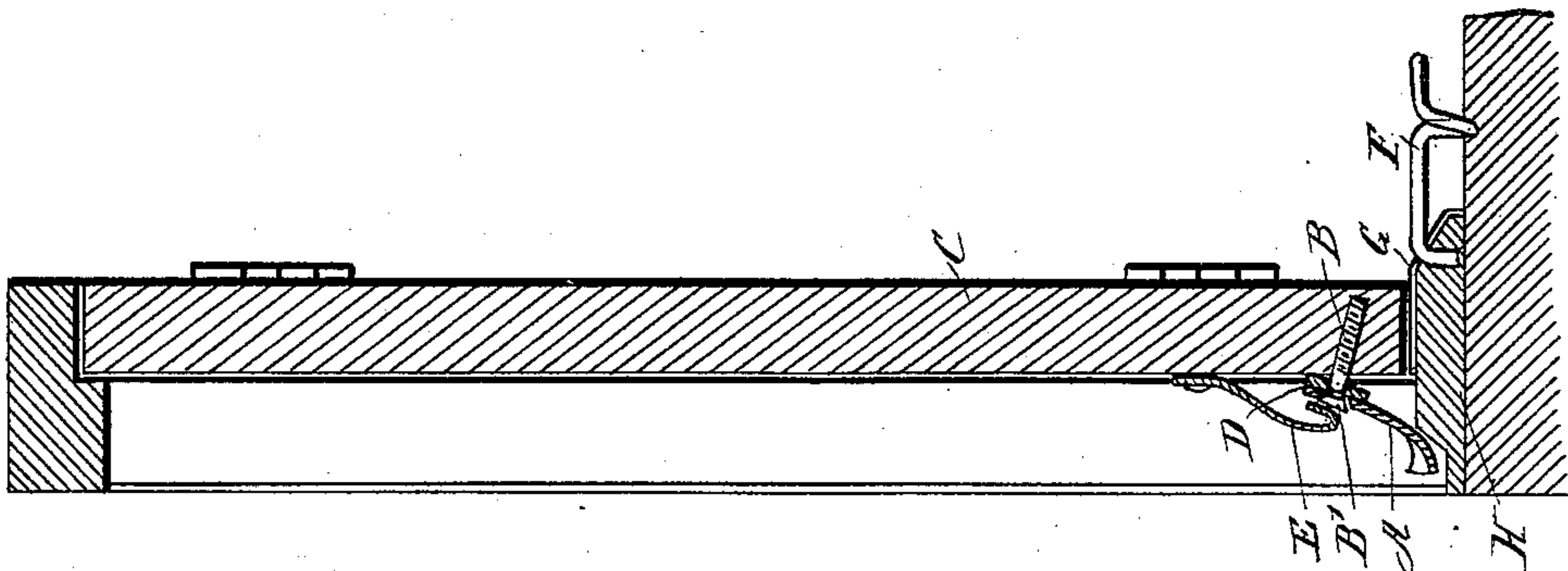


Fig. 1

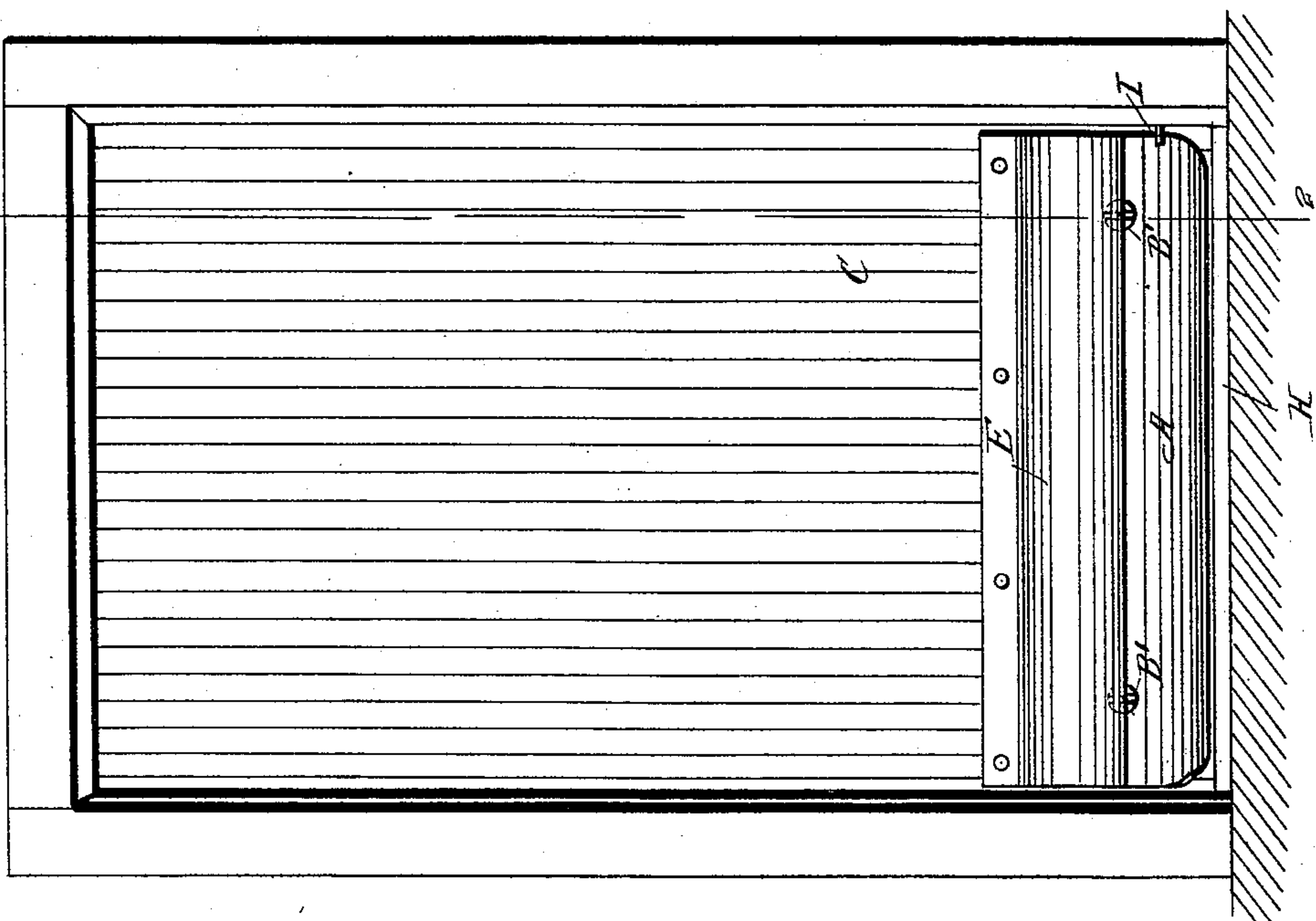
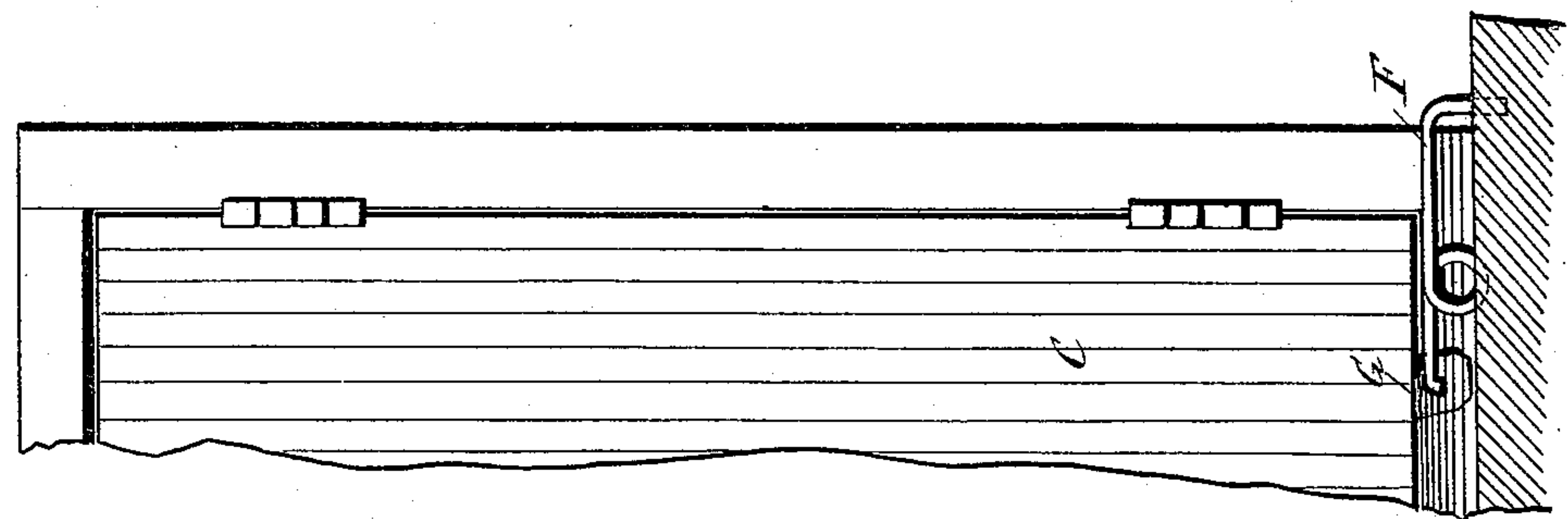
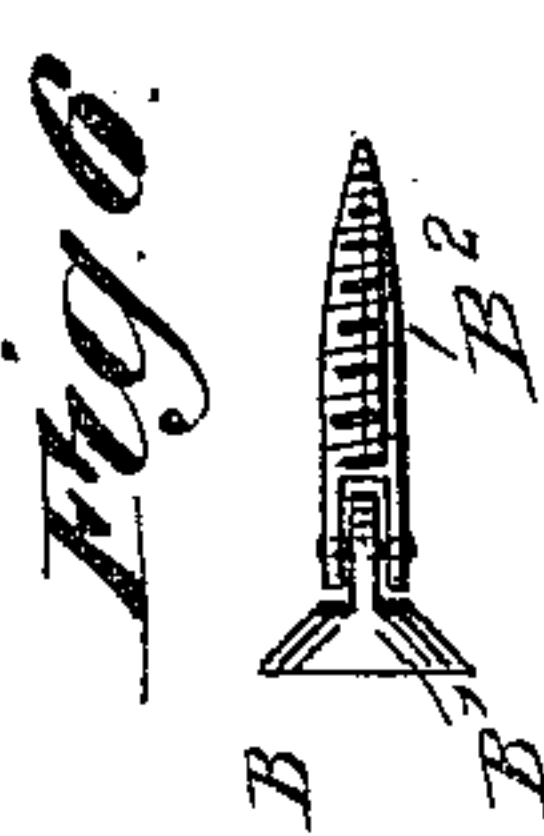


Fig. 3



WITNESSES:

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UNITED STATES PATENT OFFICE.

PHILIP WARD CASSIL, OF GARNER, IOWA.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 536,917, dated April 2, 1895.

Application filed September 11, 1894. Serial No. 522,726. (No model.)

To all whom it may concern:

Be it known that I, PHILIP WARD CASSIL, of Garner, in the county of Hancock and State of Iowa, have invented a new and Improved Weather-Strip, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved weather strip which is simple and durable in construction, very effective in operation, and arranged to pass over the sill to the outside thereof when the door is closed, and to stand clear of the carpet or floor when the door is opened.

The invention consists of certain parts and details and combinations of the same, as will be fully described hereinafter and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front view of the improvement as applied. Fig. 2 is a transverse section of the same on the line 2—2 of Fig. 1. Fig. 3 is a rear elevation of the guide rail. Fig. 4 is an enlarged side elevation of a screw having a hinged head. Fig. 5 is a plan view of the same; and Fig. 6 is a like view of a modified form of the same.

The weather strip A, made of sheet metal or other suitable material, is hung on the heads B' of a number of screws B screwing in the door C, so that the strip A is supported on the outer face of the door, as is plainly illustrated in the drawings. Each screw B has its head B' hinged or pivoted to the shank B², as is plainly illustrated in Figs. 4, 5 and 6, so that the weather strip A can swing up and down with the heads B' of the screws B, to pass over the carpet strip or sill to the outside thereof, and then to swing downward to form a tight joint at the lower edge of the door.

Between the hinged end of the strip A and the door C is passed a flexible strip D, made of leather, rubber or other suitable material so as to form a comparatively tight joint between the pivoted end of the strip A and the door C.

Directly above the strip A is secured to the door C, a water shedding strip E, extending with its lower and inwardly curved end over the pivoted end of the strip A, as will be readily understood by reference to Fig. 2.

In order to hold the strip over the carpet or floor at the time when the door C is in an open position, I provide a guide rail F secured by one end to the floor, and extending at its inner end to the guide plate G secured to the sill H, to prevent the latter from being worn out by the lower end of the strip A riding over the same, and also to hold the said strip A a short distance away from the sill when closing the door.

In order to press the strip A firmly down in contact with the outer end of the sill or carpet strip H, I provide a pin I, secured to one side of the door frame and adapted to engage the outer face of the strip A at one side, so that when the door is closed the strip A strikes the said pin I and is consequently pressed and caused to swing inward to form a tight joint with the sill H.

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

1. A weather strip, comprising a strip of suitable material provided with openings in one longitudinal edge, and screws having their heads pivoted to the shanks, the screws being adapted to be passed through the openings in the said strip and screwed to a door or the like, substantially as described.

2. In a weather strip, the combination with a strip of suitable material having openings in one edge, of screws having pivoted heads, said screws being passed through the openings in the strip and screwed into a door, and a shedding strip secured to the door and having its lower inwardly curved edge extending over the hinged edge of the said strip, substantially as described.

PHILIP WARD CASSIL.

Witnesses:

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E. C. ABBEY.