

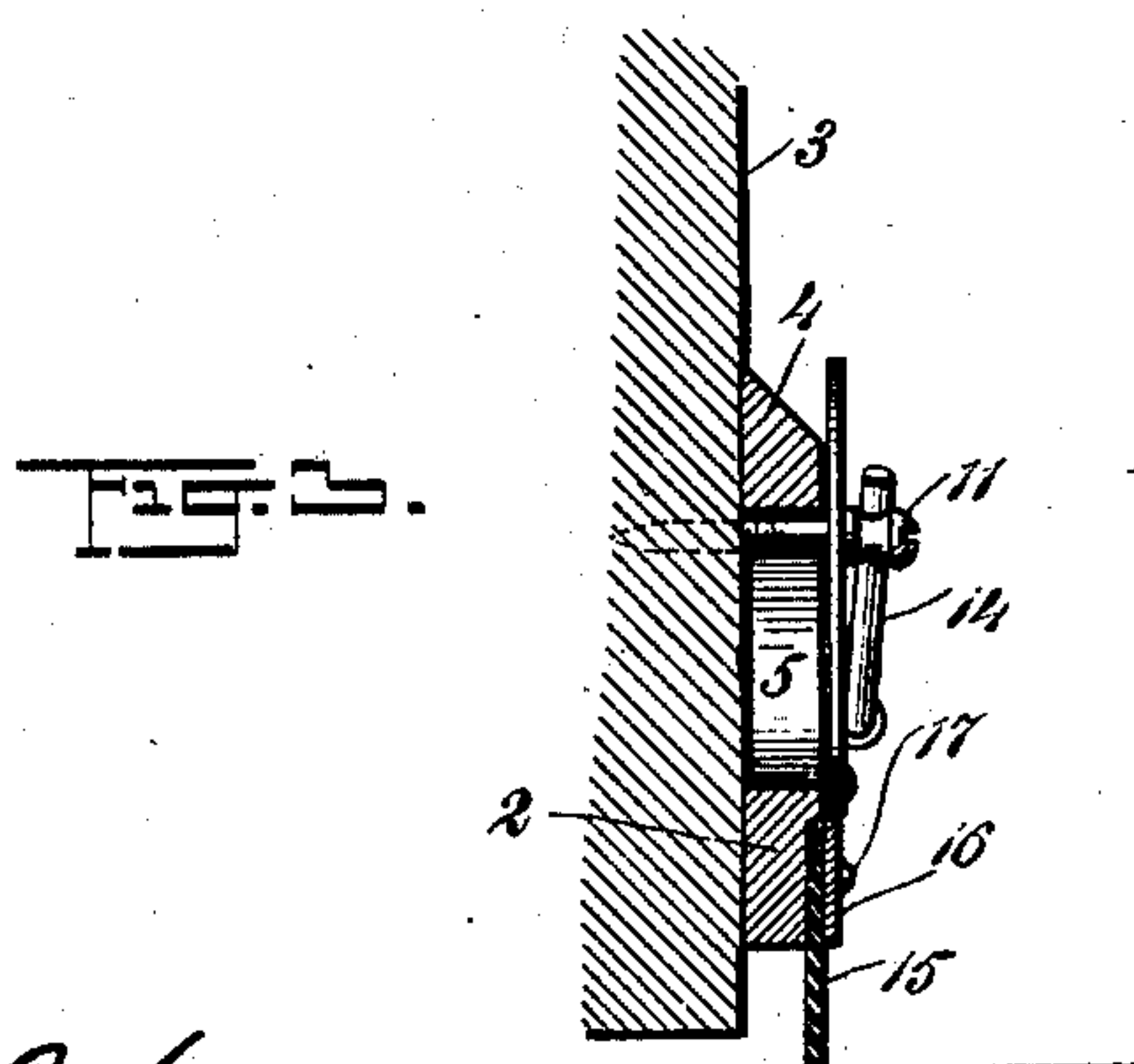
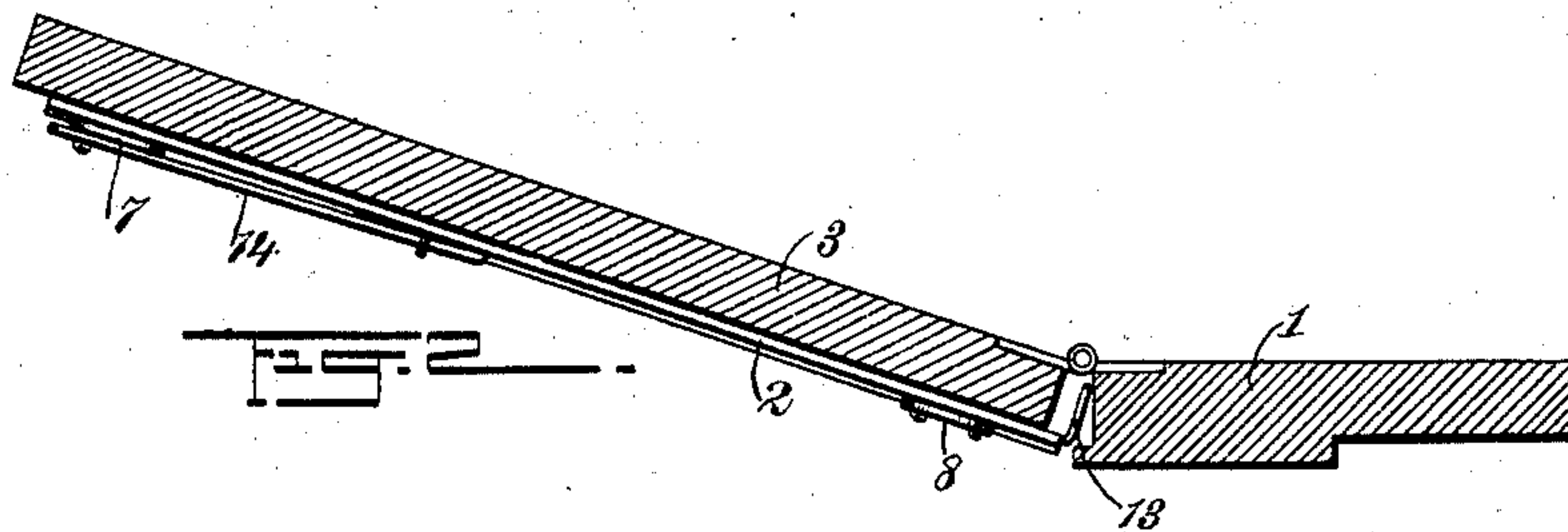
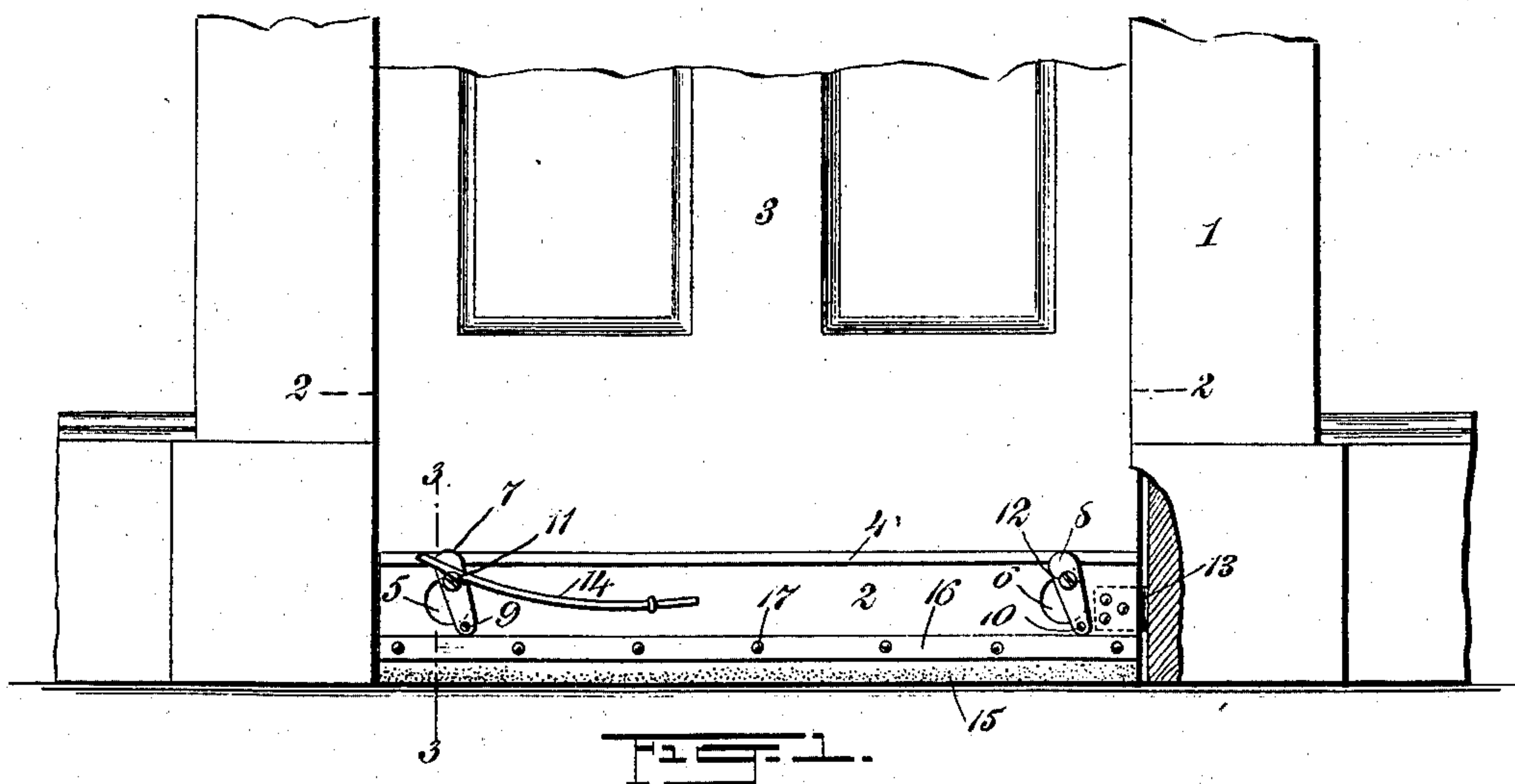
**No. 702,270.**

Patented June 10, 1902.

B. M. WHITING.  
WEATHER STRIP.

(Application filed Mar. 10, 1902.)

(No Model.)



**WITNESSES:**

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# UNITED STATES PATENT OFFICE.

BARNET MATTHIAS WHITING, OF SPOKANE, WASHINGTON.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 702,270, dated June 10, 1902.

Application filed March 10, 1902. Serial No. 97,476. (No model.)

*To all whom it may concern:*

Be it known that I, BARNET MATTHIAS WHITING, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Weather-Strips, of which the following is a full, clear, and exact description.

My invention relates to movable weather-strips of the kind used upon the edges of doors and similar closure members for the purpose of rendering the same weather-tight.

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

Figure 1 is a fragmentary elevation of a door and its usual fixtures and showing my invention as applied thereto. Fig. 2 is a horizontal section of the same upon the line 2 2 of Fig. 1. Fig. 3 is a vertical section upon the line 3 3 of Fig. 1.

The door-jamb 1 is immediately adjacent to the panel 2, which is supported upon the door 3. The panel is provided at its upper edge with a bevel 4 and is also provided with apertures 5 6. A pair of links 7 8 are mounted upon pivots 9 10, which engage the substance of the movable panel of the weather-strip. Bosses 11 12 are secured in the substance of the door and project through the apertures 5 6, so as to engage the upper ends of the links 7 8. One end of the movable panel or weather-strip is provided with a head 13 for the purpose of engaging the jamb when the door is closed. A leaf-spring 14 is rigidly secured at one of its ends upon the panel and its other end yieldingly engages the boss 11. The tendency of the spring by pressing upon the boss 11 is to raise the panel relatively to the door and also to cause said panel to move slightly toward the jamb 1. By this arrangement the panel rocks obliquely upward with a so-called "parallel" motion. The bottom edge of the panel is provided with a soft web 15, the same constituting a weather-proof edge. A strip 16, provided with nails 17, is used to secure the soft edge permanently in position.

The operation of my device is as follows: When the door is open, the movable panel occupies the position indicated in Fig. 2, being held in that position by tension of the spring

14. When the door is closed, however, the head 13 encounters the jamb 1, and the panel is rocked downward and toward the left, as viewed in Fig. 1, so that the strip of felt 15 encounters the threshold or the floor, as the case may be, thus rendering the bottom of the door weather-tight. The apertures 5 6 are of such size and shape as to allow the panel to have sufficient vertical and lateral movement to accomplish this purpose. When the door is opened, the tension of the spring 14 automatically raises the panel to its original position.

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

1. A weather-strip comprising a longitudinal panel provided with apertures and with a weatherproof edge, links pivoted upon said panel adjacent to said apertures, and bosses to be secured to a closure member and to project through said apertures so as to engage said links, said apertures being of proper conformity to allow said panel to rock with a parallel motion upon said closure member, and means for automatically actuating said panel when the door is opened and closed.

2. A weather-strip comprising a longitudinal panel provided with apertures and with a weatherproof edge, links pivoted upon said panel adjacent to said apertures, and bosses to be secured to a closure member and adapted to project through said apertures for the purpose of engaging said links, a head mounted upon one end of said panel for engaging the jamb of a door, thereby actuating said panel in one direction, and a spring for retracting said panel to its original position.

3. A weather-strip comprising a longitudinal panel provided with a weatherproof edge, and also provided with a head for engaging a jamb, bosses for supporting said panel upon a swinging closure member, links pivotally connecting said panel to said bosses, and a leaf-spring mounted upon said panel and engaging one of said bosses.

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

BARNET MATTHIAS WHITING.

Witnesses:

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