E. KRAUSE.

THRESHOLD.

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1,139,195.

Patented May 11, 1915.

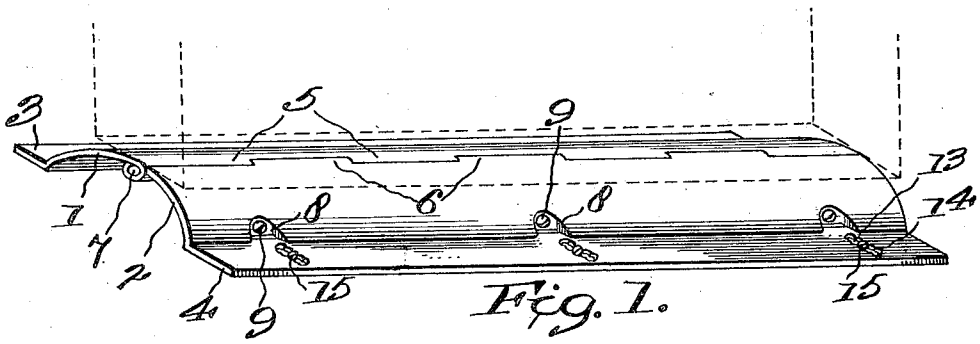


Fig. 1.

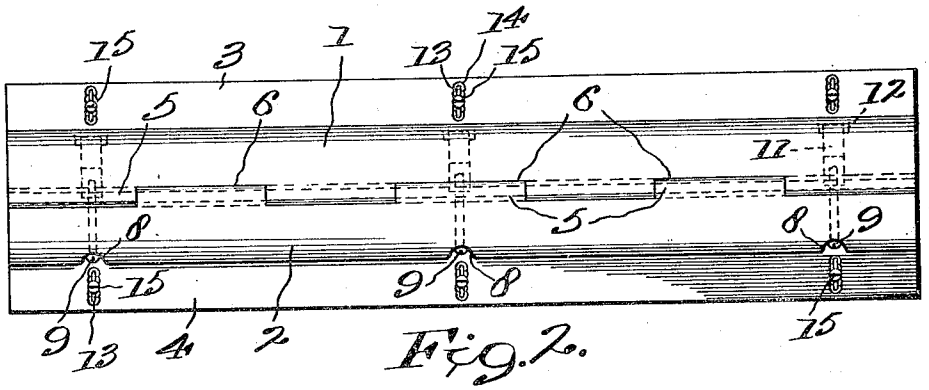


Fig. 2.

Fig. 3.

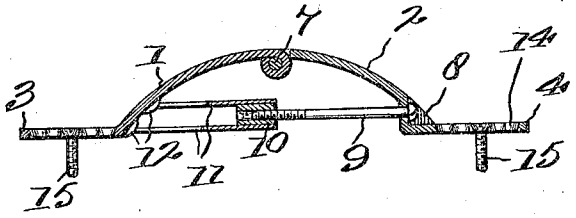
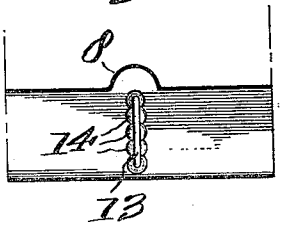


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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THRESHOLD.

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To all whom it may concern:

Be it known that I, ERNEST KRAUSE, a citizen of the United States, residing at El Paso, in the county of El Paso and State of Texas, have invented certain new and useful Improvements in Thresholds; and I do hereby 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.

The present invention relates to improvements in thresholds, and has for an object to provide a threshold which will be adjustable to insure a tight fit with the bottom of the door and prevent the entrance of dust, wind, and rain.

Another object of the present invention resides in providing a threshold which will be of simplified construction and of economical manufacture; and which will be capable of ready adjustment to fit the door bottom.

With these and other objects in view the invention consists in the novel details of construction and combinations of parts more fully hereinafter disclosed and particularly pointed out in the claims.

In the accompanying drawings forming a part of this application, and in which similar reference symbols indicate corresponding parts in the several views: Figure 1 is a perspective view of a threshold constructed in accordance with the present invention. Fig. 2 is a top plan view of the same. Fig. 3 is a transverse sectional view of the threshold; and Fig. 4 is a fragmentary plan view of one member of the same.

Referring more particularly to the drawings, 1 and 2 indicate a pair of members inclined or curved, as shown, so as not to present an abrupt obstacle to the foot, and formed with bases 3 and 4, respectively, for supporting the same in the door frame. The members 1 and 2 are preferably constructed of sheet metal of a sufficient thickness to withstand the weights imposed on the same incident to the passage of persons.

The members 1 and 2 are, along their longitudinal adjacent edges, formed with complemental and intermeshing tongues 5 and 6 bent over, as advantageously illustrated in Fig. 3, and rolled to provide alining eyes, when the members are assembled, for the passage of a pintle or rod 7, about which the same may independently revolve.

The member 2 is provided, preferably adjacent the base 4, with a plurality of spaced indentations 8, perforated each for the passage of a threaded bolt 9, which latter is arranged to engage a nut 10 carried on the outer free ends of straps or bars 11, secured in any suitable manner to the opposite member 1, as indicated at 12 in Fig. 3. The heads of the bolts 9 are arranged to lie in the indentations 8 of the member 2, and are preferably slotted for the engagement of a screw driver or other tool, whereby the same may be conveniently turned to effect the required adjustment.

The bases 3 and 4 of each of the members 1 and 2, are provided, at suitable intervals, with transverse slots 13, and the material of said bases adjacent the slots is formed with a series of sockets 14, as seen to advantage in Fig. 4, to receive the heads of screws 15. The screws 15 are threaded into the flooring or base of the door frame, and are adapted to secure the members of the improved threshold in their proper relative positions.

In operation, the screws 15 are loosened sufficiently to raise the heads thereof clear of the sockets 14, whereupon the threaded bolts 9 may be turned in either direction to draw the members 1 and 2 together and raise the threshold, or to force the members 1 and 2 thereof apart so as to lower the same. It will be understood that the members 1 and 2 hinge about the pintle 7 in effecting the adjustment, and the arrangement of intermeshing tongues 5 and 6 provides a tight joint between the two members for preventing the entrance therebetween of foreign matter likely to clog the threshold and prevent the adjustment of the same. After the threshold has been raised or lowered, as required, the screws 15 are again turned to engage the heads thereof with the corresponding sockets 14, in which position they will maintain the members securely in their adjusted position.

It is obvious that those skilled in the art may vary the details of construction and arrangements of parts without departing from the spirit of my invention, and therefore I do not wish to be limited to such features except as may be required by the claims.

I claim:

1. A threshold divided along its central longitudinal line, the divided parts hinged to each other along such line so that the

height of the threshold may be adjusted by movement of the free edges of the parts toward or from each other, and means for sustaining the parts in said adjusted relation.

2. A threshold divided along its central longitudinal line, the divided parts being arched and hinged to each other along such line so that the height of the threshold may be adjusted by movement of the free edges of the parts toward or from each other, and means for sustaining the parts in said adjusted relation.

In testimony whereof, I affix my signature, in presence of two witnesses.

ERNEST KRAUSE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."