

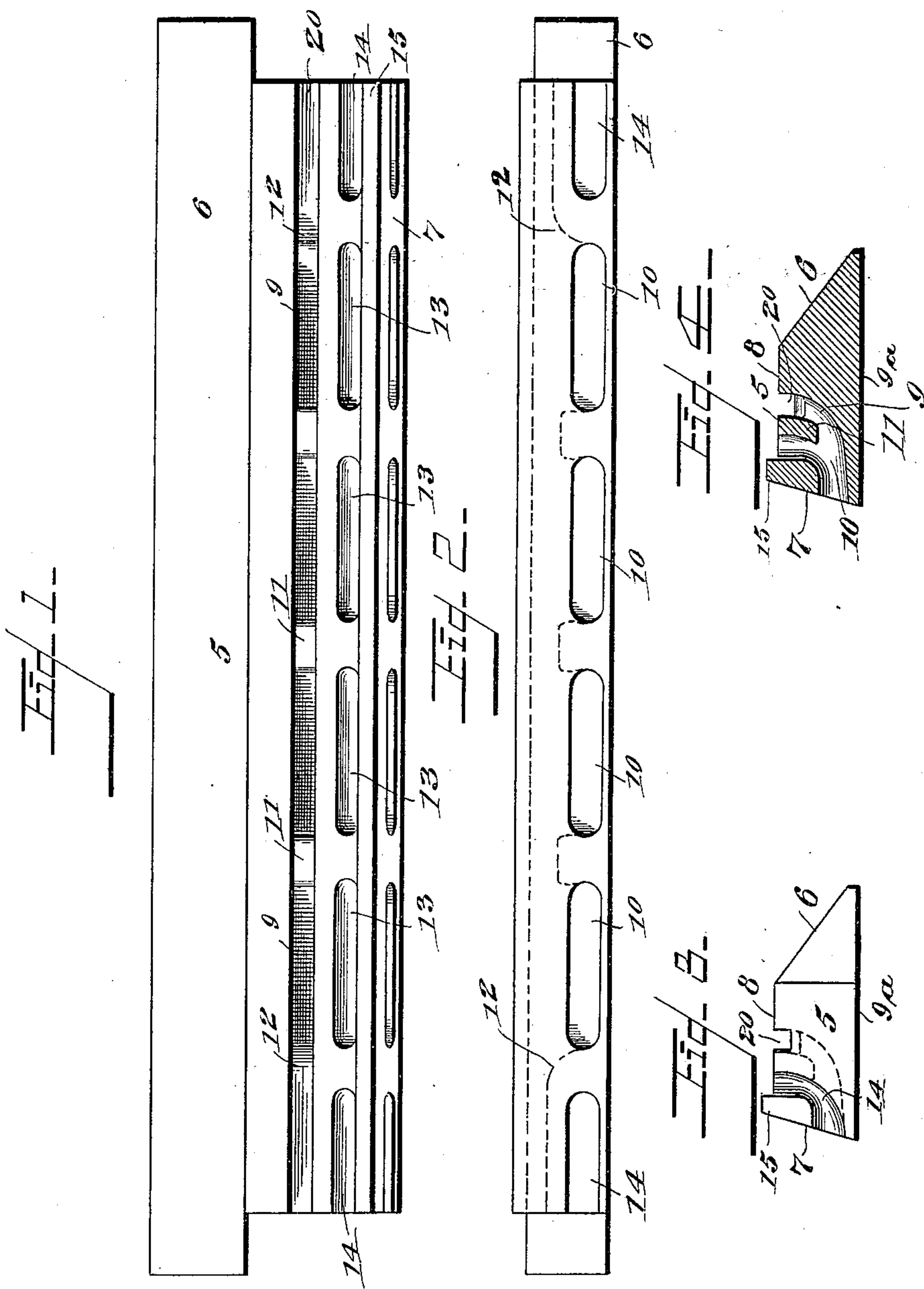
No. 635,656.

Patented Oct. 24, 1899.

W. C. CHASTAIN.
THRESHOLD.

(Application filed Apr. 3, 1899.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

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THRESHOLD.

SPECIFICATION forming part of Letters Patent No. 635,656, dated October 24, 1899.

Application filed April 3, 1899. Serial No. 711,623. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. CHASTAIN, a citizen of the United States, residing at Republic, in the county of Greene and State of Missouri, have invented a certain new and useful Threshold to be Made of Metal, of which the following is a specification.

This invention relates to thresholds, and more particularly to that class adapted to be formed of metal; and the object of the invention is to provide a construction in which the rain which would ordinarily enter beneath the door will be stopped and drained from the threshold.

A further object of the invention is to provide a simple and cheap construction which will be readily applied to a doorway and which will be effective in its operation.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a plan view of a threshold. Fig. 2 is an outside view of the edge of the threshold. Fig. 3 is an end view of the threshold, and Fig. 4 is a section on the line 4 4 of Fig. 1.

Referring now to the drawings; the threshold consists of a metallic plate 5, the inner edge of which is beveled in the usual manner, as shown at 6, while the outer edge 7 has a much steeper bevel, the top 8 of the plate being parallel with the bottom 9^a. In the top of the plate and spaced from the angle of the top and the edge 6 is formed a groove 20, having a series of recesses or passages 9 formed in its bottom and which extend downwardly into the plate and then forwardly and through the outer edge 7 thereon, the outlet-openings for these passages being shown at 10. The openings of the passages 9 into the groove 20 are separated by webs 11, the bottom of the groove adjacent the end openings being slanted downwardly, as shown at 12.

In the upper surface of the plate 5, intermediate the groove 20 and the outer edge 7 of the plate, is formed a second series of openings or passages 13, communicating with the

horizontal portions of the passages 9, additional passages 14 being formed one at each end of the plate and continuing downwardly and then outwardly through the edge 7 of the latter, these openings 14 being continued longitudinally and through the ends of the plate, as shown.

Upon the upper surface of the plate 5 and intermediate the openings 13 and the edge 7 is formed a bead 15.

In applying the threshold the edge 6 is disposed inwardly and the edge 7 disposed outwardly, the bead 15 being engaged by the door when closed. Thus if water attempts to enter beneath the door the groove 20 will prevent its passage over the threshold, and instead it will enter the openings 9 and 13 and will be drained through the outlets 10.

It will of course be understood that the plate may be made of any desired material and may be cast or otherwise formed, and it will be seen that the bead 15 may have any desired height and that the openings may have any desired dimensions.

What I claim is—

A threshold consisting of a plate having beveled inner and outer edges, a bead upon the upper surface of the plate adjacent the outer edge, a series of openings in the upper surface of the plate and passing downwardly and outwardly through the outer edge thereof and under the bead, the end openings of the series being continued through the ends of the plate, and a second series of openings in the rear of the first-named series and passing downwardly and outwardly and communicating with the first-named openings, the upper surface of the plate being grooved in alignment with the last-named series of openings intermediate the end openings of said series and the ends of the plate, said grooves slanting downwardly at their inner ends.

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Witnesses:

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