

(Model.)

W. E. DOOLITTLE.

ENLARGEMENT RING FOR WATCH PLATES.

No. 311,297.

Patented Jan. 27, 1885.

Fig. 1.

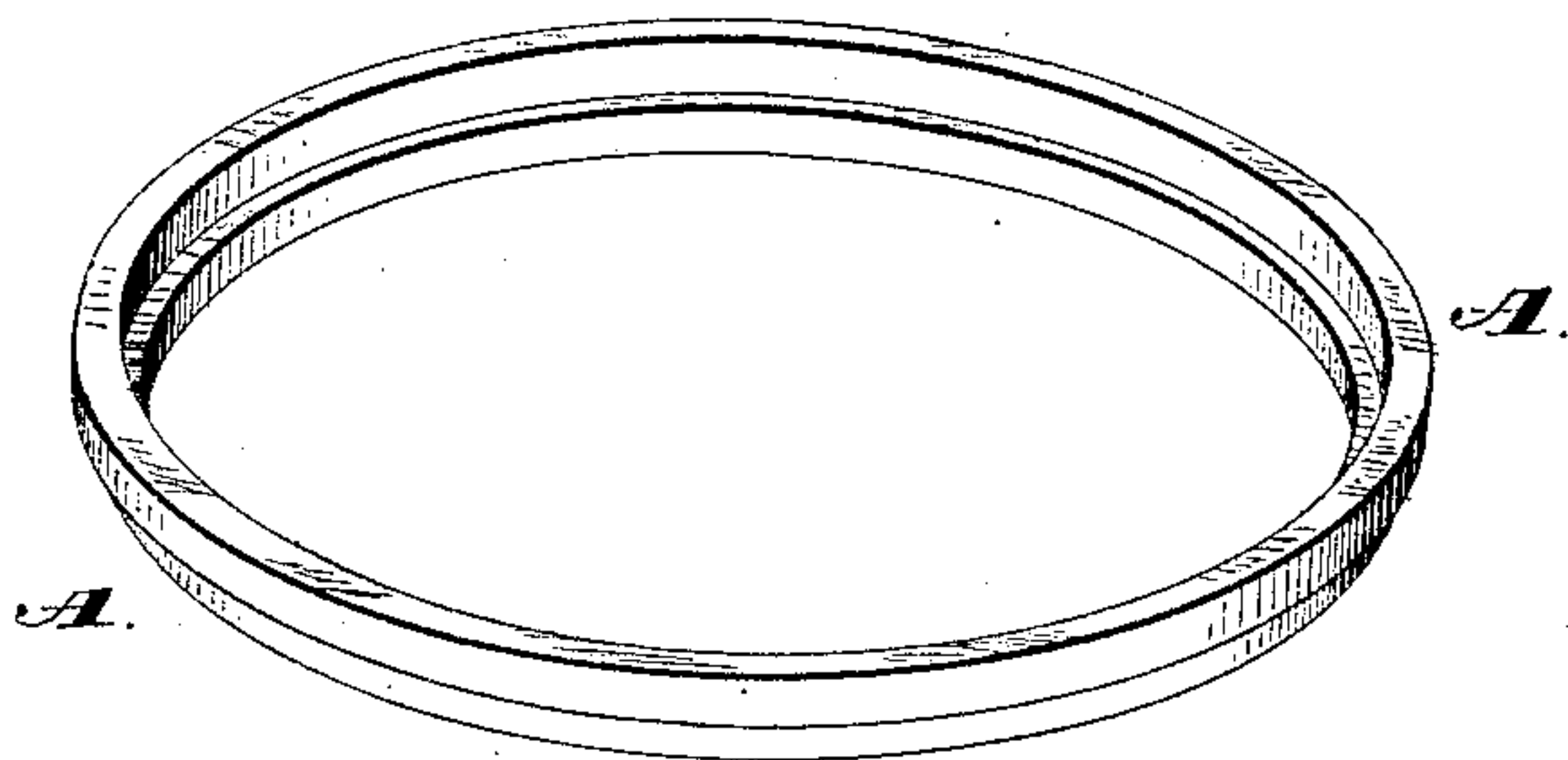


Fig. 2.

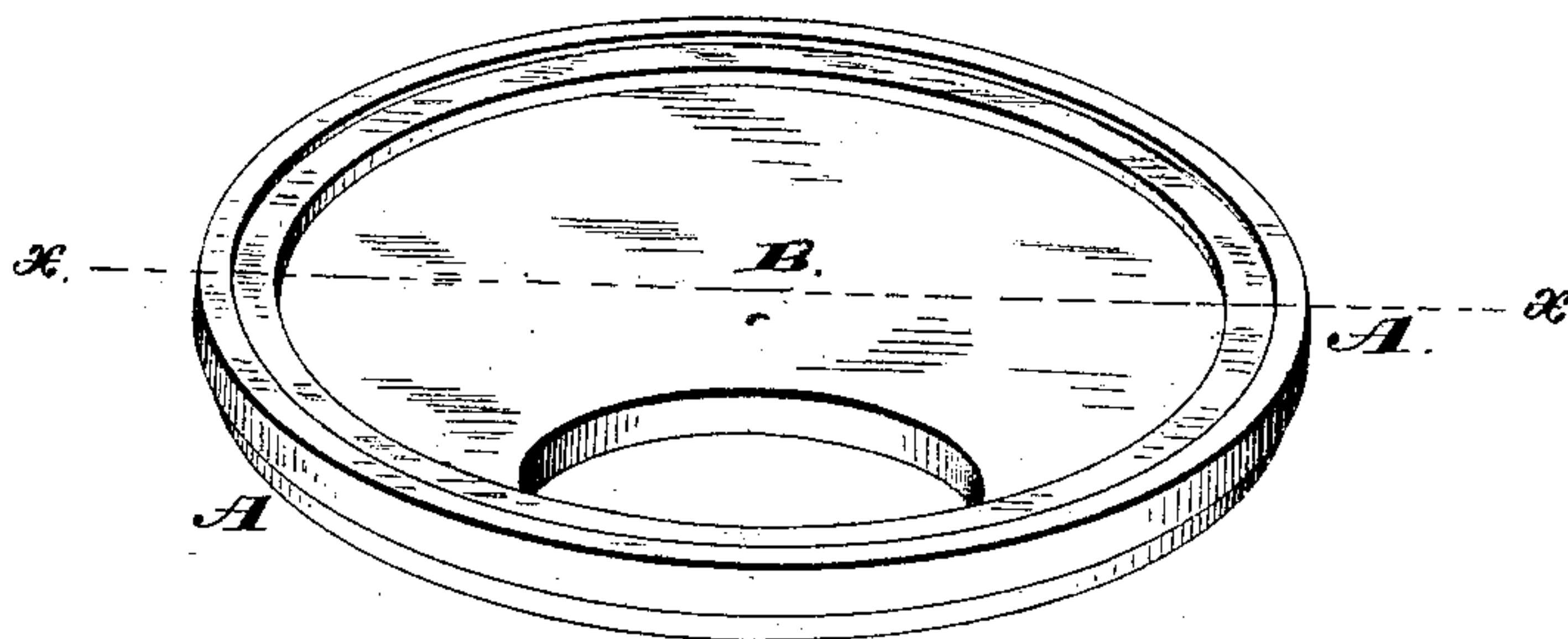
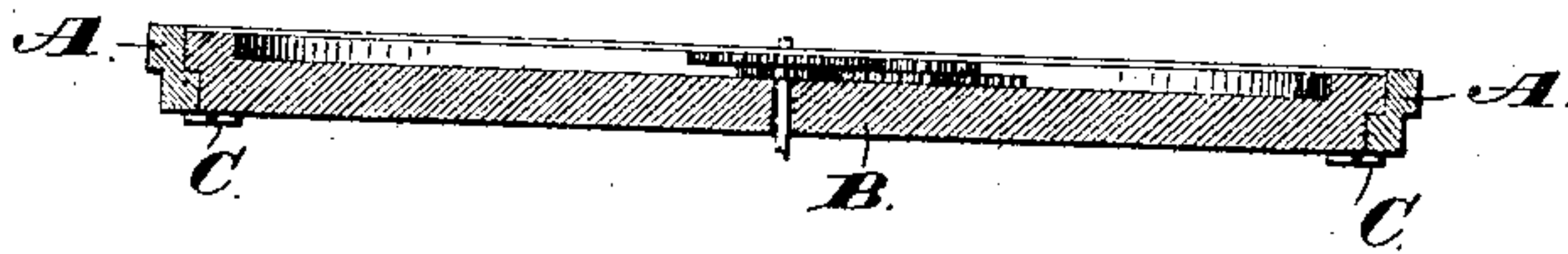


Fig. 3.



Witnesses:

Jas. C. Hutchinson.

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Inventor.

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UNITED STATES PATENT OFFICE.

WILLIAM E. DOOLITTLE, OF WEST HAVEN, ASSIGNOR TO THE NEW HAVEN
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ENLARGEMENT-RING FOR WATCH-PLATES.

SPECIFICATION forming part of Letters Patent No. 311,297, dated January 27, 1885.

Application filed February 16, 1884. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM E. DOOLITTLE, of West Haven, in the county of New Haven, and in the State of Connecticut, have invented certain new and useful Improvements in Watches; and I do hereby declare that the following is a full, clear, and exact description of the invention, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my device separated from a watch-movement. Fig. 2 is a like view of the same in position upon a movement, and Fig. 3 is a section upon line x of Fig. 2.

Letters of like name and kind refer to like parts in each of the figures.

In the use of watches great diversity of taste exists as to size, and in order to supply the demand each manufacturer is obliged to construct a number of sizes of movements, each of which is adapted to but one size of case, although in other respects precisely like those of larger or smaller sizes and possessing the same time-keeping qualities.

The object of my invention is to avoid the necessity for such differences in size by enabling a smaller movement to be adapted for use in cases which are larger than that constructed for said movement; and to this end said invention consists, principally, in the combination, with a watch-plate, of an enlargement-ring, of substantially the same thickness as the plate, adapted interiorly to fit the edge of the plate and exteriorly to fit the watch-case center, substantially as and for the purpose hereinafter described.

It further consists in the combination, with the watch-plate, of the enlargement-ring, of substantially the same thickness as the plate, adapted to fit over the edge of the plate and form an extension thereof, and means for fastening the ring in place on the edge of said plate, as hereinafter described; and, finally, it consists in the combination, with the watch-plate having its edge rabbeted below, as shown, of the ring rabbeted on its inner side to fit the plate edge and on its outer side or periphery rabbeted like the plate, and one or more screws on the plate whose heads are adapted to over-

lap the lower side of the ring, as hereinafter described and set forth.

In the annexed drawings, A represents a metal ring which interiorly corresponds in diameter and shape to the interior of a case-center, and is adapted to receive and closely embrace the periphery of a watch-plate, B, in which position said plate is held within said ring by the usual case-screws, C, precisely as the former would be held within a watch-case. The periphery of the ring A has precisely the same conformation as has the periphery of the plate B, and has such diameter as to enable it to fit into and fill the movement-plate rabbet of the center band of any predetermined size of watch-case precisely as would the plate of a movement specially constructed for said case.

By means of a ring, A, having the necessary diameter, a watch-movement may be easily and quickly adapted for and caused to fit within a watch-case having any size larger than that of said movement, and when in position will in all respects operate as perfectly as though inclosed within a case of the smallest size within which it could be placed.

This improvement renders it unnecessary for a dealer to keep in stock but a few of the many sizes of movements now required, and materially increases the capacity of manufacturers to supply the demand.

I am aware of the fact that dust-bands have been made to fit around watch-movements and extend over the pillar-plates. Such bands I do not claim herein to be my invention. The peculiarity of my ring as distinguished from them is that while serving to increase the peripheral dimensions of the pillar-plate, it does not extend beyond the plate over the movement to inclose the same.

In carrying out my invention it is my idea that the dealer shall have a supply of rings of different sizes and thicknesses, so that he can be prepared to adapt movements of various sizes to cases of different diameters.

The rings are to be of substantially the same thickness as the plate, and on their inner sides or faces are shaped to fit the rabbeted edge of the plate, while their outer faces are to be shaped exactly similar to the plate-edge. In other words, the outer side or face of each ring

is rabbeted exactly like the plate and fits the watch-case in the same way as the plate would were the case small enough.

Having thus fully set forth the nature and 5 merits of my invention, what I claim as new is—

1. In combination with a watch-plate, an enlargement-ring, substantially of the same thickness as the plate, adapted interiorly to fit the plate and exteriorly to fit the watch-case 10 center, substantially as and for the purpose described.

2. In combination with the watch-plate B, the enlargement-ring, of substantially the same thickness as the plate, adapted to fit over the 15 edge of the plate and form an extension thereof, and means for fastening the ring in place on the edge of said plate, substantially as shown and described.

3. In combination with the plate B, having its edge rabbeted below, as shown, the ring A, 20 rabbeted on its inner side to fit the plate-edge and on its outer side or periphery rabbeted like the plate, and one or more screws, C, on the plate whose heads are adapted to overlap the lower side of the ring, substantially as and 25 for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of February, A. D. 1884.

W. E. DOOLITTLE.

Witnesses:

GEO. S. PRINDLE,

L. J. MULFORD.