

No. 682,907.

Patented Sept. 17, 1901.

A. O. BOHEM.
PIE RACK.

(Application filed Jan. 22, 1901.)

(No Model.)

Fig. 1.

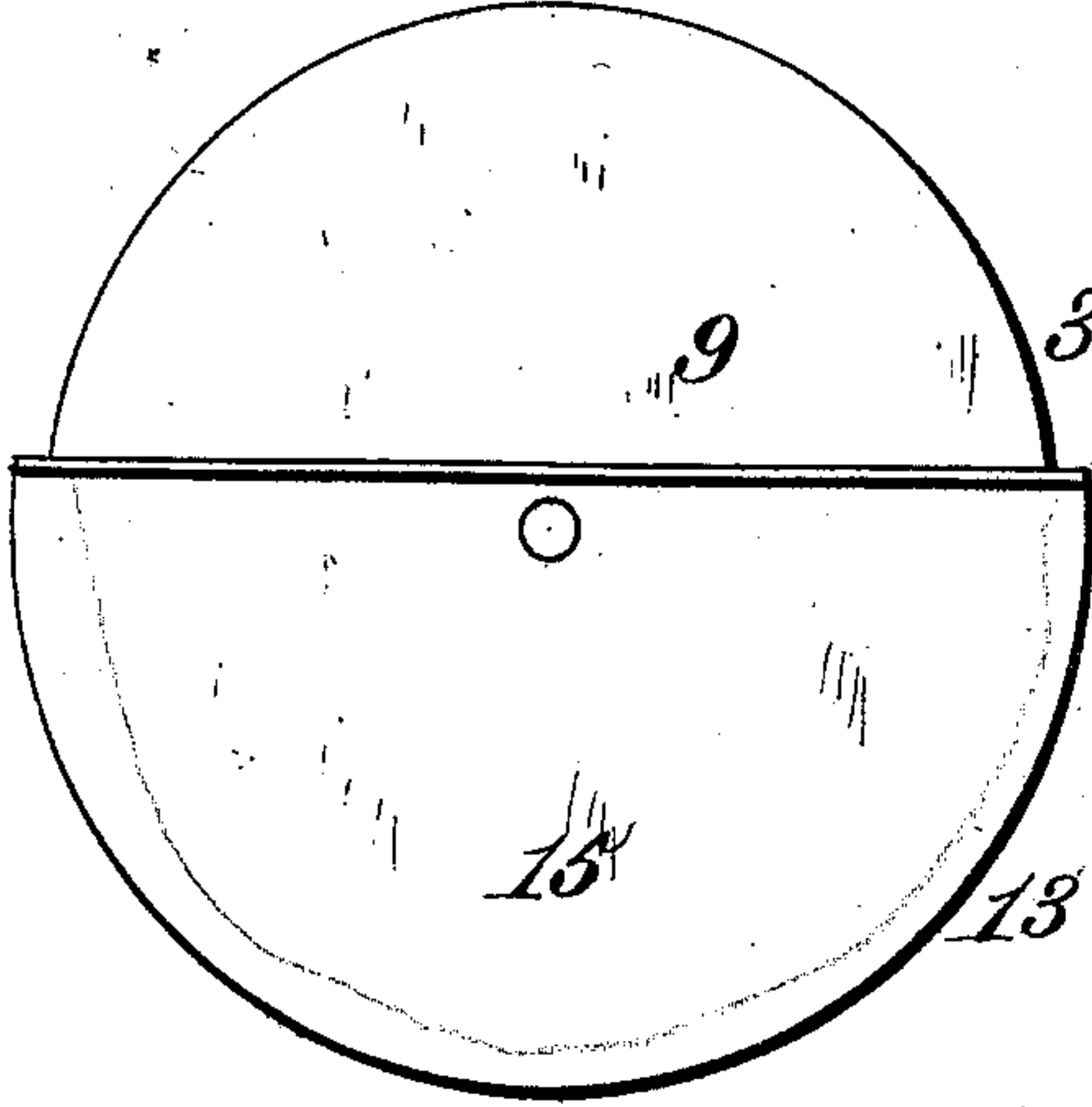


Fig. 3.

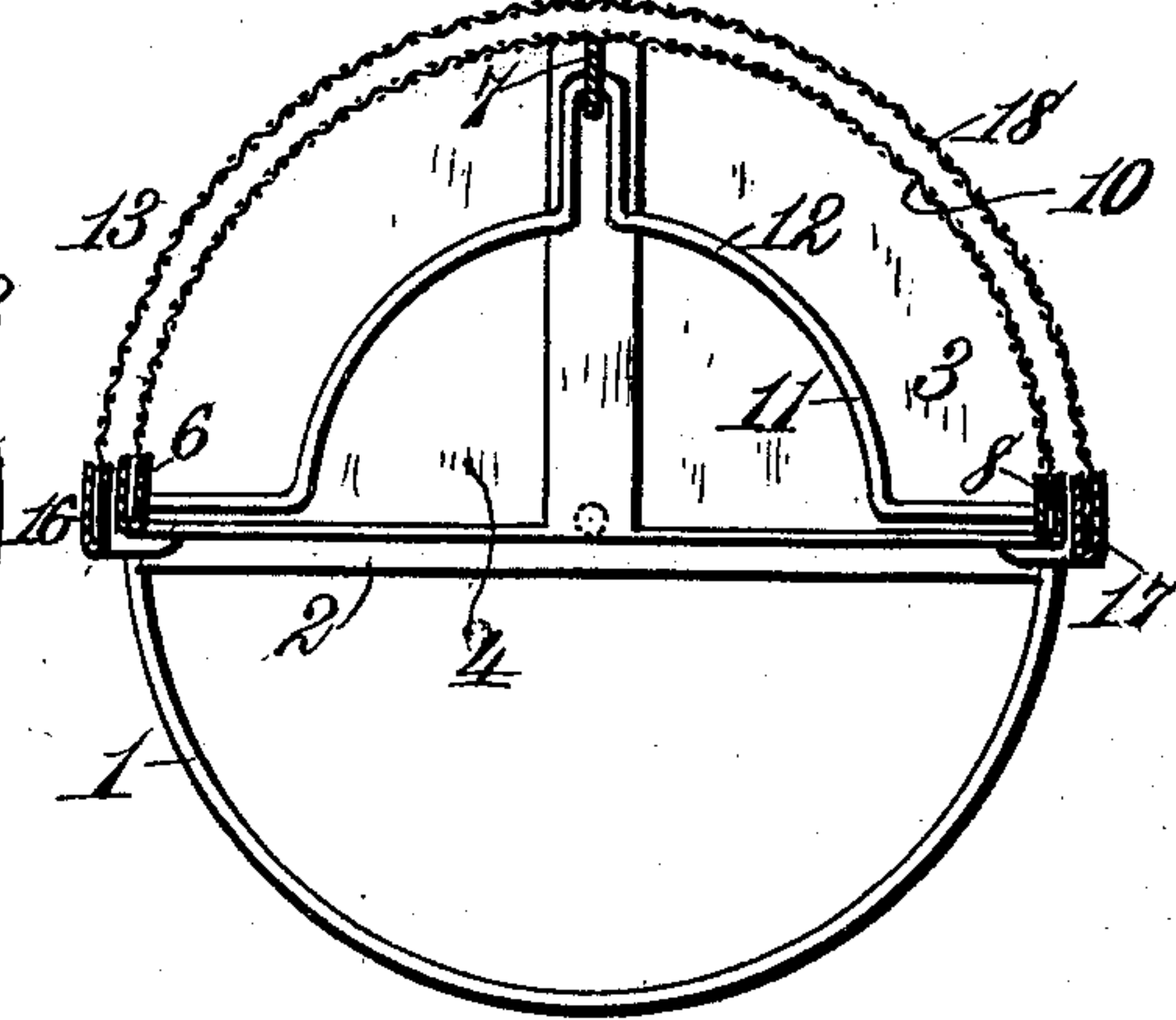


Fig. 2.

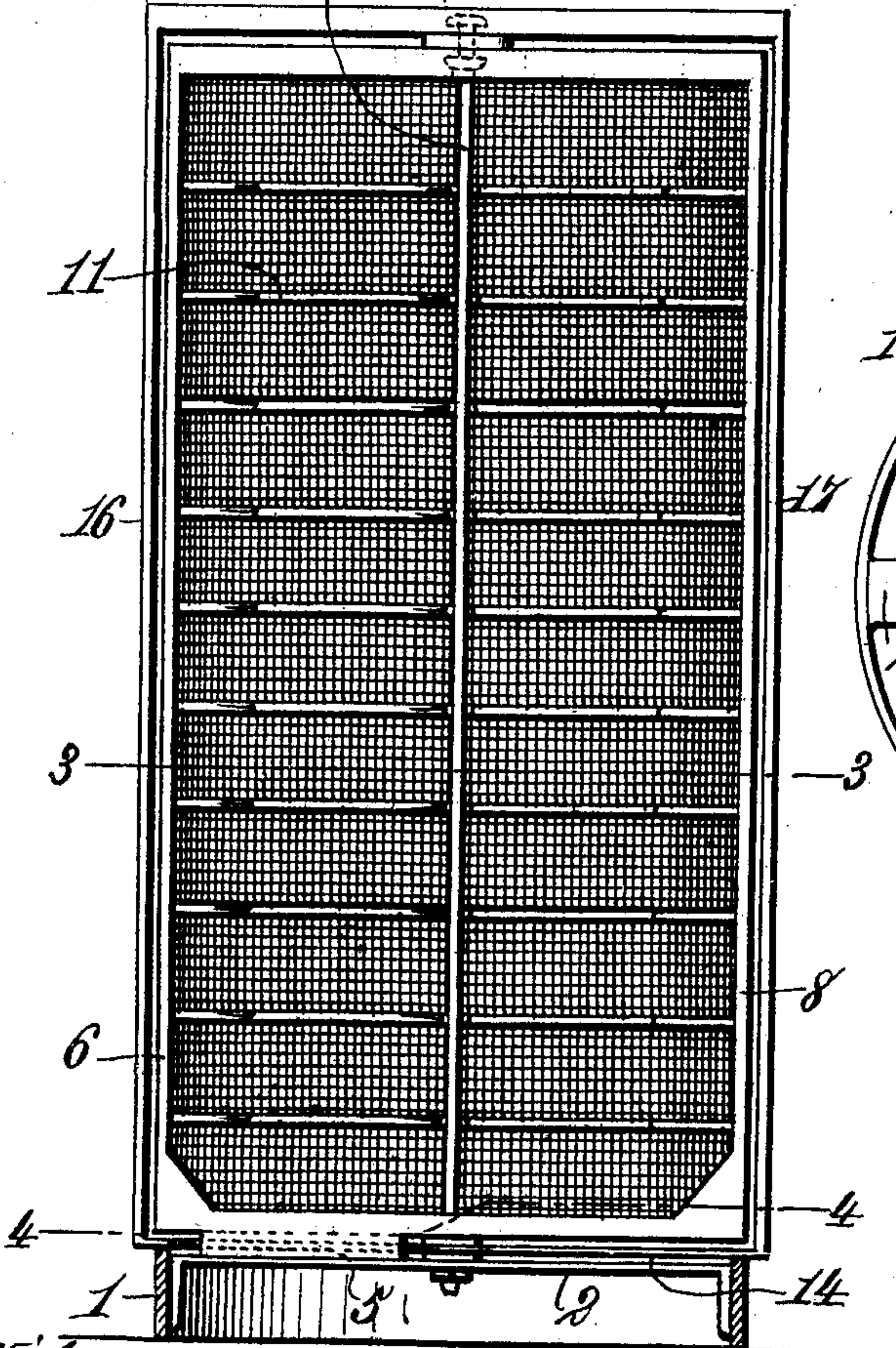
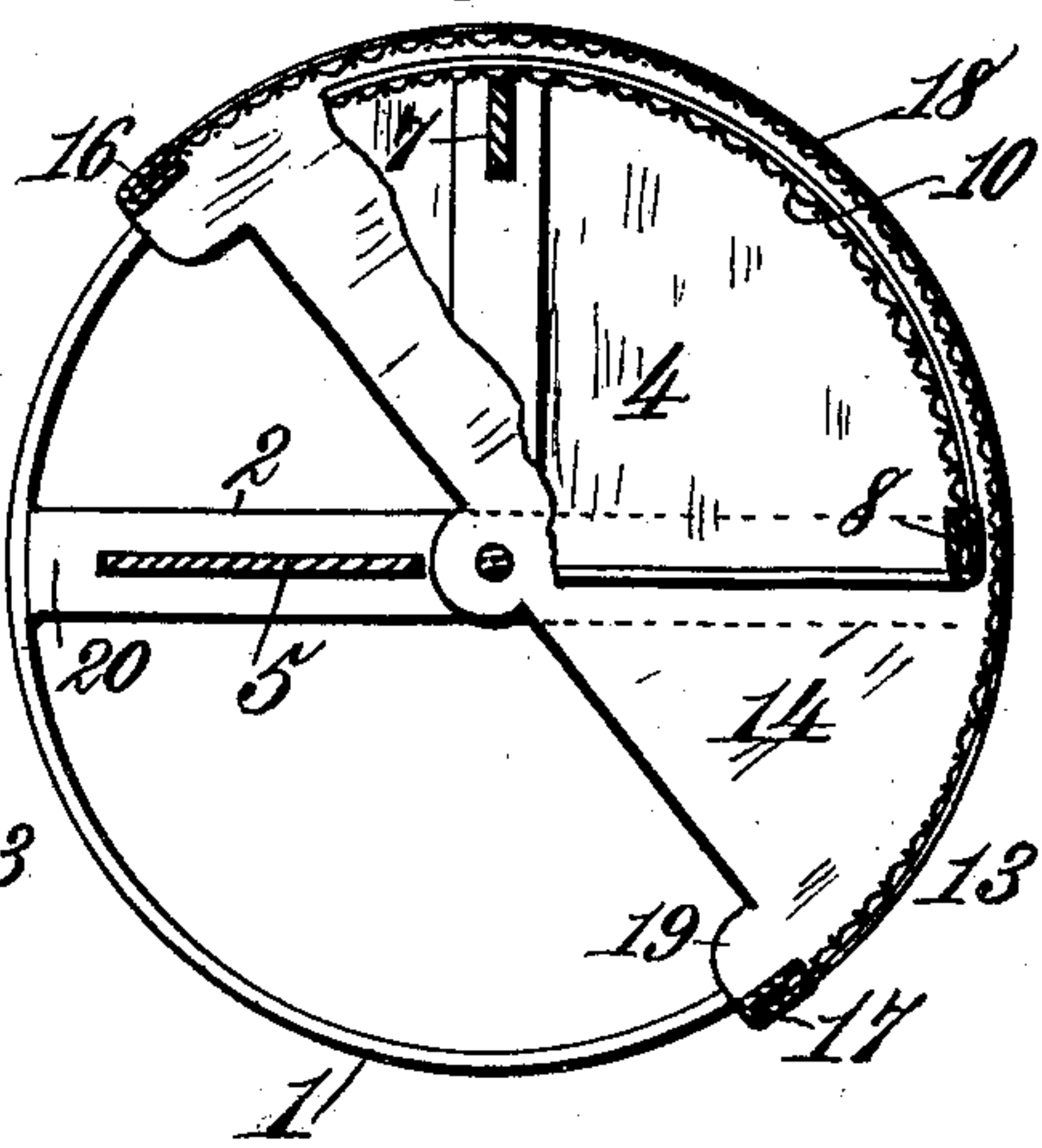


Fig. 4.



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UNITED STATES PATENT OFFICE.

ANTHONY O. BOHEM, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO
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PIE-RACK.

SPECIFICATION forming part of Letters Patent No. 682,907, dated September 17, 1901.

Application filed January 22, 1901. Serial No. 44,286. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY O. BOHEM, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Pie-Racks, of which the following is a specification.

My invention relates to pie-racks in which a number of pies may be supported within a frame or casing completely inclosed by wire-netting, so as to prevent the access of flies and other insects thereto, but which may be readily removed when desired.

The invention relates particularly to that class of pie-racks in which a wire-covered frame or casing is employed, made in two parts, one of which is secured to a fixed or stationary support and the other of which is rotatably mounted thereon, the invention residing particularly in the means for mounting and supporting the rotating member of the casing.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be set forth in the claims.

In the drawings forming part of this specification, Figure 1 is a top plan view illustrative of my invention, showing the casing closed. Fig. 2 is a sectional elevation of the same with the casing open. Fig. 3 is a horizontal section taken on the line 3 3 of Fig. 2. Fig. 4 is a similar section taken on the line 4 4 of Fig. 2, showing the casing in the act of being closed.

Like reference-numerals indicate like parts in the different views.

The ring 1, constituting the base of my improved pie-rack, is preferably constructed from a hoop of sheet metal, having its ends rigidly secured together. Secured to the opposite sides of the hoop 1 and lying in the plane of the upper edge of said hoop is a diametrically-disposed plate or bar 2, to which is secured the stationary member 3 of the casing. The said stationary member 3 is semi-cylindrical in form, being made up of the semicircular bottom 4, secured to the plate or bar 2 and located slightly above the same. The space between the center of the bar 2 and one end of the bottom 4 is inclosed by a web 5 of suitable material. This web may

be made from solder or lead applied to the space between the bar 2 and the bottom 4 in a plastic or molten condition and afterward allowed to harden. The said web serves as a stop and also as a means for preventing the entrance of flies or other insects into the interior of the casing, as will hereinafter appear. To the bottom 4 of the stationary part 3 of the casing are secured the uprights 6, 7, and 8, connected at their upper ends by a semicircular imperforate top 9. The uprights 6 and 8 are located at diametrically opposite ends of the top 9 and bottom 4, whereas the upright 7 is connected to said top and bottom at an intermediate point. The stationary part 3 of the casing is completed by a covering 10, of wire-netting, perforated sheet metal, or other like material, the same being secured to the outer curved edges of the top 9 and bottom 4 and also connected with the uprights 6 and 8.

Located within the stationary part 3 of the casing are the shelves or pie-supports 11, each being preferably constructed of stiff wire, as shown, the same being connected at their outer ends to the uprights 6 and 8 and at intermediate points to the upright 7. The said shelves are bent, as shown, so as to form the curved intermediate supporting portions 12, which are unitedly greater than a semicircle, this construction being provided so as to support the pie-pans which are placed thereon throughout more than one-half their circumference.

The rotating part 13 of the casing, which in reality serves as a cover for the casing, consists of a semicircular imperforate bottom 14, a semicircular imperforate top 15, the uprights 16 and 17, connecting the top 15 and bottom 14 at diametrically opposite points, and the sheet 18 of wire-netting, perforated sheet metal, or other like material connecting the uprights 16 and 17 and secured to the outer curved edges of the bottom 14 and top 15. The bottom 14 is located between the plate or bar 2 and the bottom 4 of the stationary member and is pivoted at its central point to the center of said plate or bar 2. The top 15 is located above the top 9 of the stationary member and is pivoted at its central point to the central point of said top 9. The rotating

part 13 therefore surrounds and is adapted to completely embrace the stationary part. The dimensions of the rotating part, therefore, are slightly greater than the corresponding dimensions of the stationary part. While the bottom 14 of the rotating member is pivoted to the plate or bar 2 at its central point, the same moves upon and is supported by the upper edge of the annular base 1. The said base serves, therefore, as a rail upon which the rotating part 13 is supported and adapted to move. When the two parts of the casing are in their closed positions, the edge of the bottom 14 of the rotating part abuts against the edge of the web 5, which connects the bottom 4 of the stationary part to the bar or plate 2. The casing is thereby completely closed, and the entrance of flies or other insects into the interior thereof is effectually prevented. When the rotating part 13 is turned to its open or closed position, it strikes against the web 5, and said web therefore serves as a stop for limiting the movements of the rotating part 13 in both directions. To more effectually complete the closure between the two parts of the device, the bottom 14 of the rotating part is formed with a projecting flange 19, which fits within the corresponding cut-away portion 20 in the outer end of the web 5. The device is extremely simple in construction, effective in operation, and can be made entirely from metal. The cost is thereby reduced to a minimum, and a structure which is extremely light and of great lasting power is produced.

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

1. In a pie-rack, the combination with a ring or hoop constituting an annular base, and a diametrically-disposed horizontal plate or bar connecting the opposite sides of said base and lying in the same plane with the upper edge thereof, of a casing in which the pies are supported, made in two semicylindrical parts, one of which is stationary, and the other of which is adapted to rotate, the stationary part being secured to said base with its bottom located slightly above the upper surface of said plate or bar, and the rotat-

ing part having its bottom pivoted to said plate or bar, located between said plate or bar and the bottom of said stationary part and supported and movable upon the upper edge of said ring, the bottom of said rotating part and said ring being of substantially the same diameter, whereby said rotating part may be supported along its outer edge by said ring.

2. In a pie-rack, the combination with an annular base, and a diametrically-disposed horizontal plate or bar connecting the opposite sides of said base and lying in the same plane with the upper edge thereof, of a casing in which the pies are supported, the said casing being made up of two semicylindrical parts, one of which is stationary and the other of which is adapted to rotate, the stationary part having a semicircular imperforate bottom, a semicircular top, uprights connecting said bottom and top, and a sheet of open-work material secured to said uprights and to the edges of said bottom and top, the said bottom being secured to said horizontal plate or bar and located slightly above the same, a web constituting a stop and closing the space between said plate or bar and said bottom on one side of the center of said plate or bar, and the rotatable part consisting of a semicircular imperforate bottom pivoted at its central point to said horizontal bar, located between said bar and the bottom of said stationary part and supported and movable upon the upper edge of said base, a semicircular imperforate top located above and pivoted at its central point to the center of the top of said stationary part, uprights connecting the bottom and top of said rotatable part, and the sheet of open-work material connecting the latter uprights and secured to the edges of said bottom and top, the edge of the bottom of said rotatable part adapted to abut against said web, as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ANTHONY O. BOHEM.

Witnesses:

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