

No. 676,732.

Patented June 18, 1901.

A. O. BOHEM.

PIE RACK.

(Application filed Feb. 1, 1901.)

(No Model.)

Fig. 1.

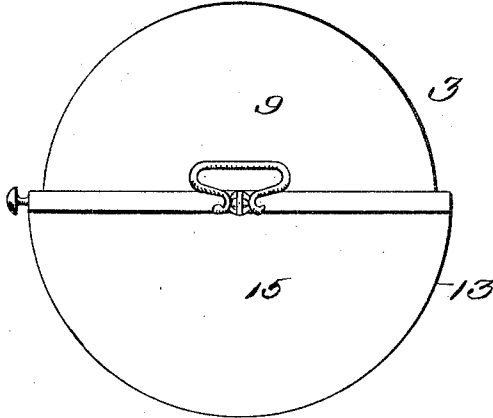


Fig. 3.

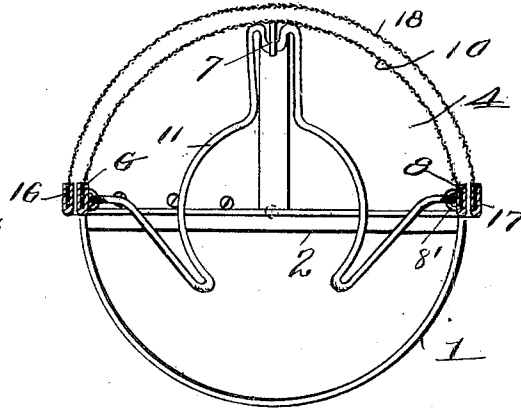


Fig. 2.

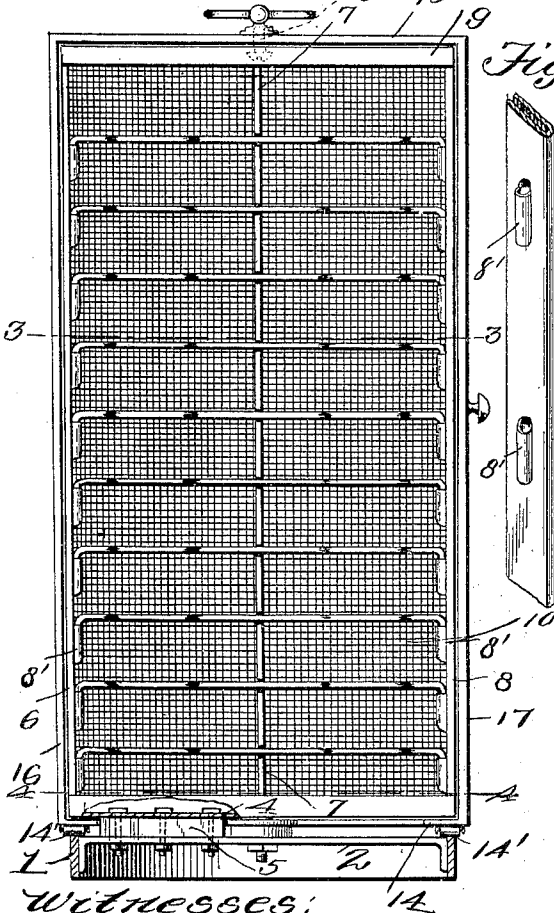


Fig. 5.

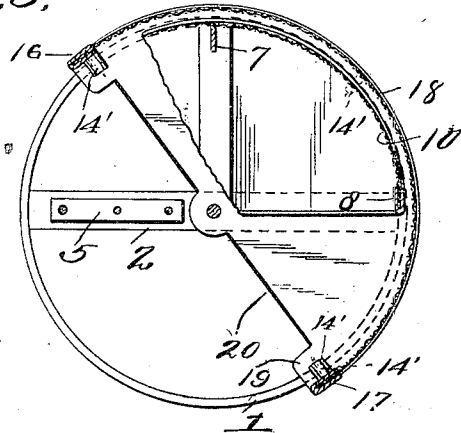


Fig. 4.

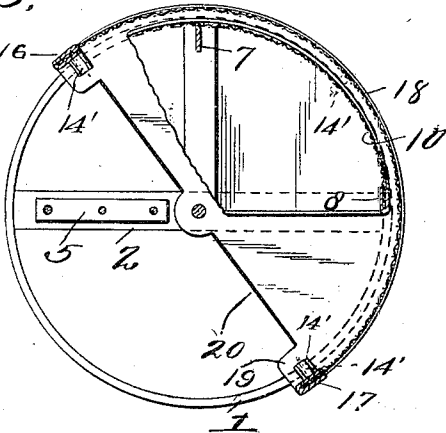
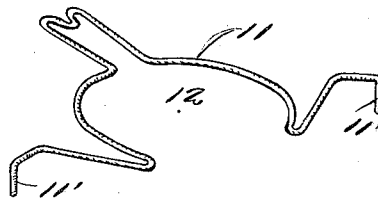


Fig. 6.



Witnesses:
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UNITED STATES PATENT OFFICE.

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PIE-RACK.

SPECIFICATION forming part of Letters Patent No. 676,732, dated June 18, 1901.

Application filed February 1, 1901. Serial No. 45,640. (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 in 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.

Although the invention is particularly adapted, as above set forth, for supporting and displaying pies, yet the same can be employed for supporting and displaying various other objects, if desired, and the frame or casing may be inclosed by glass or other transparent material instead of the wire-netting.

The invention relates particularly to that class of pie-racks in which a wire-covered frame or casing is employed, made in two sections, one of which is rotatably mounted upon a fixed or stationary support and the other of the sections is secured to said fixed or stationary support, and provided with a series of sockets, in which are removably secured a series of supporting-shelves for the pies or other objects.

The invention resides particularly in the means for mounting and supporting the rotating member of the casing, the removable shelves, and the means for supporting the shelves within the fixed or stationary casing; and to this end it consists in the novel combination and arrangement of parts hereinafter more specifically described, illustrated in the accompanying drawings, and particularly pointed out in the claims hereunto appended.

In the drawings forming a part of this specification, wherein like numerals of reference indicate corresponding parts throughout the several views, 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 removed. Fig. 5 is an elevation of one of the uprights, showing the arrangement of the sockets for securing the removable shelves in position. Fig. 6 is an elevation of one of the shelves.

The base 1 of my improved pie-rack is annular in form, the same being 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 semicylindrical 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, and is secured to the bar 2 and the stationary section by the bolts 5'. The latter also connects the stationary section to the bar 2. The web 5 forms a stop for the rotating section and is of such height as to permit of the operation of the rotating section between the stationary section and the base. 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. 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 have stamped or otherwise formed on their inner faces a series of sockets 8' to support the removable shelves, hereinafter to be described, and are located at diametrically opposite ends of the top 9 and bottom 4, whereas the upright 7 is soldered at its upper and lower ends 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 removable shelves or pie-supports 11, each being preferably constructed

of stiff wire, as shown, the same having their ends bent downwardly, as at 11', to permit of attaching the shelves to the sockets 8' for supporting the former. The shelves 11 also engage at intermediate points 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, provided with roller-bearings 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 by means of the pin 9^a. 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 roller-bearings 14' of the bottom 14 of the rotating part 13 are supported and adapted to move thereon. The bottom 14 is provided with a series of suitably-disposed openings in which are arranged the roller-bearings 14', the latter being connected to the bottom in any desirable manner. When the two parts of the casing are in their closed position, 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 of 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 move-

ments 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 its construction, effective in operation, and can be made entirely from metal, if desired, although, as before stated, the wire-netting can be dispensed with and glass or other transparent material employed. By providing the device with the removable shelves pies, cakes, or various objects varying in thickness can be supported within the same, and it is thought the many advantages of the improved construction of pie-rack, as hereinbefore set forth, can be readily understood from the foregoing description, taken in connection with the accompanying drawings.

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 an annular base, of a casing secured thereto and comprising a stationary and a rotatable section, the former provided with two series of vertically-extending sockets, a series of removable wire shelves mounted in said stationary section, and having their ends bent to engage in said vertical slots for securing the shelves in position, an upright mounted in said stationary section and engaging said wire shelves for retaining the inner portion of the latter in the desired position, and roller-bearings carried by the rotatable section and adapted to engage the said base.

2. In a pie-rack, the combination with a suitable base, of a casing secured thereto and comprising a stationary and rotatable section, said stationary section provided with two series of sockets, a series of removable shelves adapted to be arranged in said stationary section and having their ends bent to engage in the said sockets for securing the shelves within the said stationary section, and means mounted in the stationary section and engaging said shelves for retaining the inner portion thereof in the desired position.

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

ANTHONY O. BOHEM.

Witnesses:

N. L. BOGAN,
GEO. W. REA.