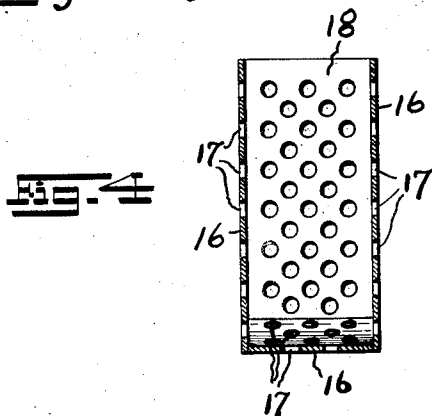
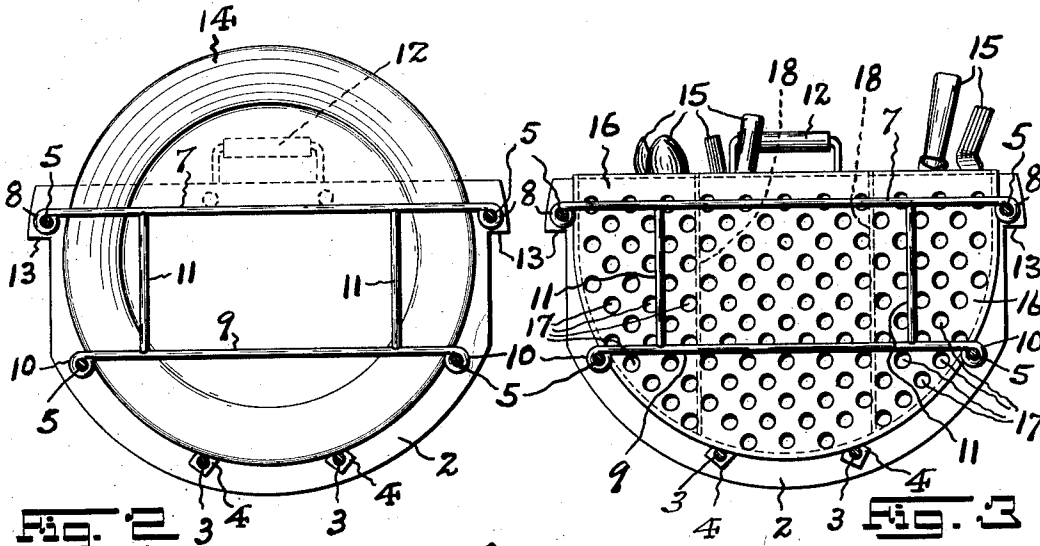
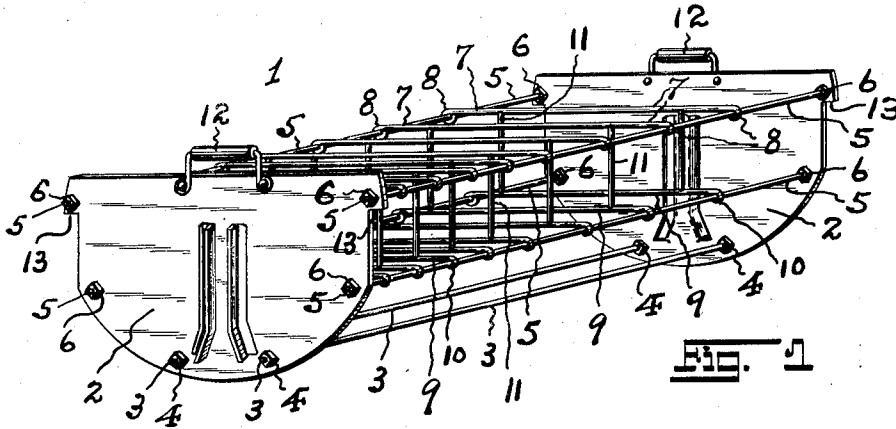


A. RATNER.
DISH RACK FOR WASHING MACHINES.
APPLICATION FILED JUNE 6, 1919.

1,345,401.

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DISH-RACK FOR WASHING-MACHINES.

1,345,401.

Specification of Letters Patent.

Patented July 6, 1920.

Application filed June 6, 1919. Serial No. 302,333.

To all whom it may concern:

Be it known that I, AARON RATNER, a citizen of the United States, residing at Bronx, in the county of Bronx and State of New York, have invented certain new and useful Improvements in Dish-Racks for Washing-Machines; 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, reference being had to the accompanying drawings, and to characters of reference marked thereon, which form a part of this specification.

The present invention relates, generally, to improvements in dish-racks or containers for dish washing machines; and the invention has reference, more particularly, to a novel construction of dish-rack or container for use with mechanical dish-washing machines of various kinds, but which is especially adapted for use with dish-washing machines of the type disclosed in my co-pending application for Letters-Patent filed September 7, 1918, Serial No. 253,008 for which Patent No. 1,311,179, was granted July 29, 1919.

The invention has for its principal object to provide a simple, strong, and sanitary dish-rack, which is constructed of few parts, providing a very free and open access of water to the dishes supported therein, and which provides little or no opportunity for the accumulation of dirt or soil about the same, consequently rendering the rack easily cleansed and easily maintained in a desired hygienic and sanitary condition.

Other objects of the present invention, not at this time more particularly enumerated, will be clearly understood from the following detailed description of the same.

With the various objects of my present invention in view, the same consists, primarily, in the novel dish-rack for dish washing machines hereinafter set forth; and, furthermore, this invention consists in the novel arrangements and combinations of the various devices and parts, as well as in the details of the construction thereof, all of which will be hereinafter more fully described, and then finally embodied in the claims appended to said specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a perspective view of the novel dish-rack for dish washing machines, made

according to and embodying the principles of my present invention.

Fig. 2 is a transverse section of the same drawn on an enlarged scale, and showing a dish in place and supported thereby.

Fig. 3 is a similar transverse section showing a removable container for silverware, etc., in supported relation to the rack.

Fig. 4 is a cross-section of said silverware container removed from the rack.

Similar characters of reference are employed in all of the hereinabove described views, to indicate corresponding parts.

Referring now to the said drawings, the reference character 1 indicates the complete dish-rack for dish washing machines made according to and embodying the principles of my present invention, the same comprising a pair of longitudinally spaced end walls 2, preferably made of a sheet metal, such, for example, as sheet aluminum. Said end walls 2 are substantially semi-circular in shape. Said walls 2 may be of skeleton form. Extending longitudinally between the lower central portions of said end walls 2 are a pair of laterally spaced supporting rods 3, secured to said end walls by means of fastening nuts 4. Extending longitudinally between the respective side portions of said end walls are pairs of vertically spaced side or guard rods 5, secured to said end walls by means of fastening nuts 6.

Supported in connection with said side or guard rods 5 so as to extend laterally between the respective pairs of the latter, and so as to be movable thereon to adjust the same to desired spaced relation one from another, are a plurality of movable or adjustable lateral partition members, each comprising an upper lateral cross-bar 7 provided with eyes 8 at its respective ends embracing the upper side or guard rods and movable or slidable thereon, and a lower cross-bar 9 provided with eyes 10 at its respective ends embracing the lower side or guard rods and movable or slidable thereon. Said cross-bars 7 and 9 are mutually connected together by means of vertical interconnecting rods 11 suitably secured thereto.

Secured to the end walls 2 are hand-grips 12, by means of which the racks may be grasped and moved from place to place. I do not limit myself to the particular location of said hand-grips 12 as shown in the drawings, since the same may be varied both

as to detail construction and location relative to the rack as a whole.

When using my novel construction of rack in connection with a dish-washing machine such as I have described in my co-pending application filed September 7, 1918, Serial No. 253,008, I provide in the end walls 2, at their opposite side margins, indented portions providing shoulders 13, which engage the carrying-frames of the dish-washing machine, and thereby support the racks in connection with said carrying-frames.

The lateral partition members are arranged to divide the interior of the compartment provided by the rack into separate spaces for the reception of plates 14 or other dishes, as shown in Fig. 2. The partition members serve to hold the plates upright on edge as supported by the supporting rods 3, and also maintain the dishes against violent contact with each other during the washing operations, so that danger of breaking or chipping is eliminated.

I also provide in connection with my novel rack, a means for supporting silver or other table ware, such as knives, forks, spoons, etc., as indicated by the reference character 15. This means comprises a basket member 16 of general semicircular shape and of suitable width, the walls of which are provided with a multiplicity of perforations 17. Said basket member is adapted to be received within said rack so as to be supported by the rods 3 and held against displacement by the side rods 5 and a movable partition member, as shown in Fig. 3 of the drawings. The interior of the basket is divided into a plurality of compartments by means of transverse perforated walls 18, and the articles, such as the knives, forks, spoons, etc., 15, are stood up end wise in said compartments ready for the washing operation.

It will be apparent from the above description that I have provided a very light and open construction of rack for the purpose in view, and one which offers little interference or obstruction to the ready and thorough access of the cleansing water directly in contact with the dishes or other articles supported thereby.

I claim:—

1. A dish supporting rack comprising end walls, supporting rods interconnecting the lower portions of said end walls, side rods interconnecting the side portions of said end walls, a plurality of transverse partition members slidable on said side rods, said partition members each comprising upper and

lower cross-bars having eye-portions at their ends in embracing slidable relation to said side rods, and vertical rods interconnecting said upper and lower cross-bars.

2. A dish-supporting rack comprising end walls of substantially semi-circular shape, a pair of laterally spaced longitudinally extending supporting rods secured to the lower portions of said end walls to extend therebetween, pairs of vertically spaced longitudinally extending guard rods respectively secured to the side portions of said end walls to extend therebetween to hold dishes against lateral displacement from said supporting rods, and a plurality of adjustable transverse partition members slidable on said guard rods.

3. A dish-supporting rack comprising end walls of substantially semi-circular shape, a pair of laterally spaced longitudinally extending supporting rods secured to the lower portions of said end walls to extend therebetween, pairs of vertically spaced longitudinally extending guard rods respectively secured to the side portions of said end walls to extend therebetween, and a plurality of adjustable transverse partition members slidable on said side rods, each partition member comprising upper and lower cross-bars having eye-portions at their ends respectively in embracing slidable relation to the upper and lower members of said pairs of guard-rods, and vertical rods interconnecting said upper and lower cross-bars.

4. A dish-supporting rack comprising end walls of substantially semi-circular shape, said end walls having at their upper side parts cut away portions adapted to provide shoulders for supporting the rack in a receiving frame, a pair of laterally spaced longitudinally extending dish-supporting rods secured to the lower portions of said end walls to extend therebetween, pairs of vertically spaced longitudinally extending guard rods respectively secured to the side portions of said end walls to extend therebetween to hold said dishes against lateral displacement from said supporting rods, and a plurality of adjustable transverse partition members slidable on said guard rods.

In testimony that I claim the invention set forth above I have hereunto set my hand this 4th day of June, 1919.

AARON RATNER.

Witnesses:

GEORGE D. RICHARDS,
ADOLPH HANSEN.