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REVOLVING TRAY

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Fig. 1

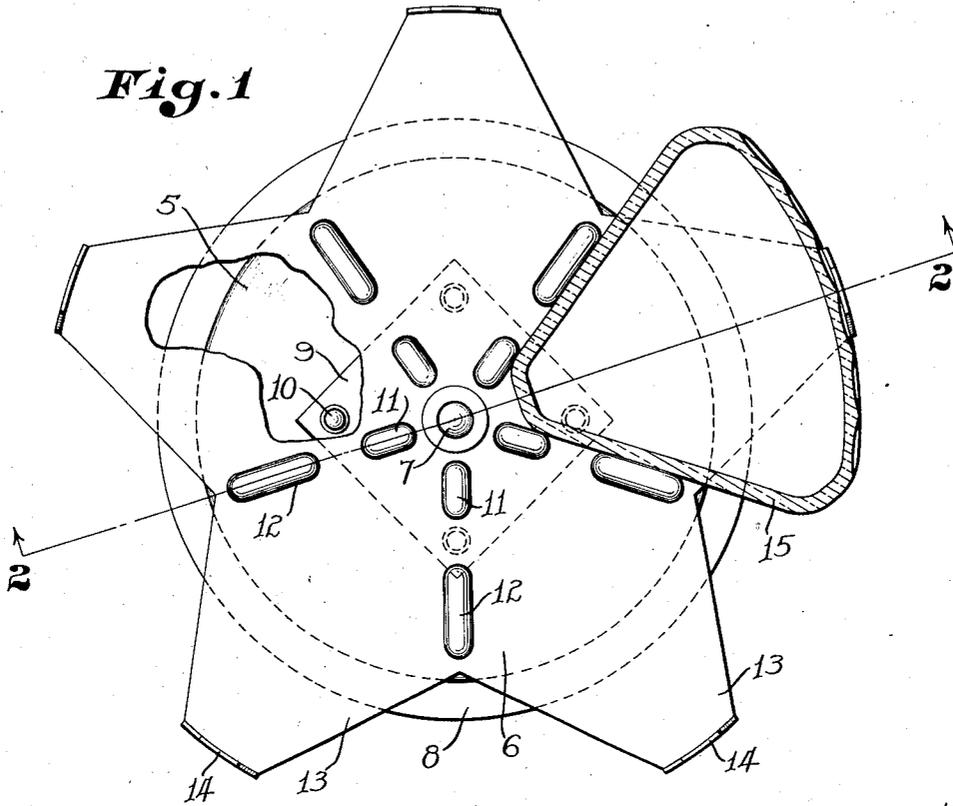
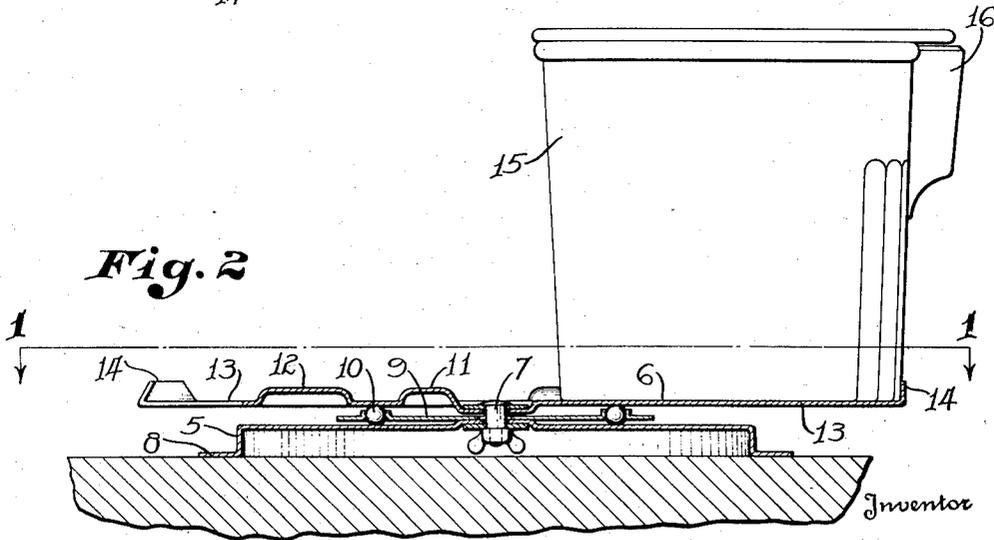


Fig. 2



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REVOLVING TRAY

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3 Claims. (Cl. 211-77)

This invention relates to a revolving tray which is primarily intended for use in a refrigerator for holding a set of jars or similar containers.

extension, it is very easy to grasp the bottom of the jar on each side, to lift the same from the tray. The outer face of the jar is also preferably provided with a handle 16 to facilitate the handling thereof.

5 The general object of the invention is to provide a device of the character stated, which may be manufactured economically and which is constructed in such a manner that ready access may be had to any one of the containers
10 without disturbing the others. The base and the turntable are preferably pressed from sheet metal and the turntable is formed into a plurality of sectors which are defined by suitable raised portions for retaining the containers,
15 which fit therein.

While I have described the tray particularly with reference to its use in holding a refrigerator set, it will be readily understood that a similar construction may be used for holding various other containers or articles in a similar
20 manner, so that any one of them may be conveniently reached or exhibited. It is to be understood, therefore, that the invention includes all such modifications as may fall within the scope of the appended claims.

The above and other characteristic features of the invention will be more particularly described in connection with the accompanying drawing, in which

What I claim is:—

20 Fig. 1 is a plan view of a tray embodying the invention, with a portion of the turntable broken away and with a jar shown in section within one of the sectors, the section line being indicated at 1—1 in Fig. 2;

1. In a device of the character described, a base made from a piece of sheet metal dished upwardly to form a raised flat surface centrally thereof, a sheet metal turntable supported on
25 said flat surface for rotation about a vertical axis, said turntable being provided with upwardly extending radial ridges dividing it into sectors, each sector being formed with a tapered radial extension terminating in an upstanding
30 lip which cooperates with the radial ridges at the side of the sector to retain an article thereon.

25 Fig. 2 is a sectional view taken substantially on the line 2—2 of Fig. 1.

The device, to which the invention relates, comprises a base 5 to which a turntable 6 is centrally connected by a pivot bolt 7 or the
30 like, so that the turntable is freely rotatable. The base 5 is preferably pressed from sheet metal so that it rests upon a peripheral rim 8, the central portion of the base being raised sufficiently to provide space for the nut of the
35 bolt 7. A plate 9, which may also be made of sheet metal, is mounted between the turntable 6 and the base 5 and is formed with seats to receive the balls 10, on which the turntable rests. The central raised portion of the base
40 has a flat surface, so that the balls run freely thereon.

2. In a device for holding a set of like articles having substantially sector shaped bottoms; a base, a pivot extending upwardly therefrom,
35 a substantially star shaped turntable adapted to hold said articles and mounted for rotation about said pivot, and means dividing the turntable radially into sectors of the same angular
40 width as the articles to be held, the points of the star radiating centrally from each sector.

The turntable itself may also be made of sheet metal and divided into sectors by upwardly pressed radial ridges 11 and 12. Each sector
45 has a tapered radially projecting extension 13, which terminates in an upwardly turned lip 14. Thus, the turntable is approximately star-shaped, with each point of the star projecting centrally from the corresponding sector. The
50 ridges 11 and 12 and the lip 14 define an area for receiving a jar 15 or similar container formed to fit therein.

3. In a device for holding a set of like articles having substantially sector shaped bottoms; a base, a pivot extending upwardly therefrom, a
55 turntable mounted for rotation about said pivot, means dividing the turntable radially into sectors of the same angular width as the articles to be held, each turntable sector being formed with a tapered radial extension, the radial dimension of the turntable sector with its extension being substantially equal to the radial dimension of the article to be held, and anti-friction bearings arranged about said pivot and supporting the turntable from said base.

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A tray constructed according to the invention may be economically manufactured and the
55 table is freely rotatable, so that it may be placed in a refrigerator compartment or in any similarly restricted location, and access may be had to any one of the containers. By providing the tapered extension 13, so that the outer edges of the jar extend laterally beyond the edges of the
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