May 16, 1933. M. STEIN 1,908,928

REVOLVING DISPLAY RACK

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Fig. 1.

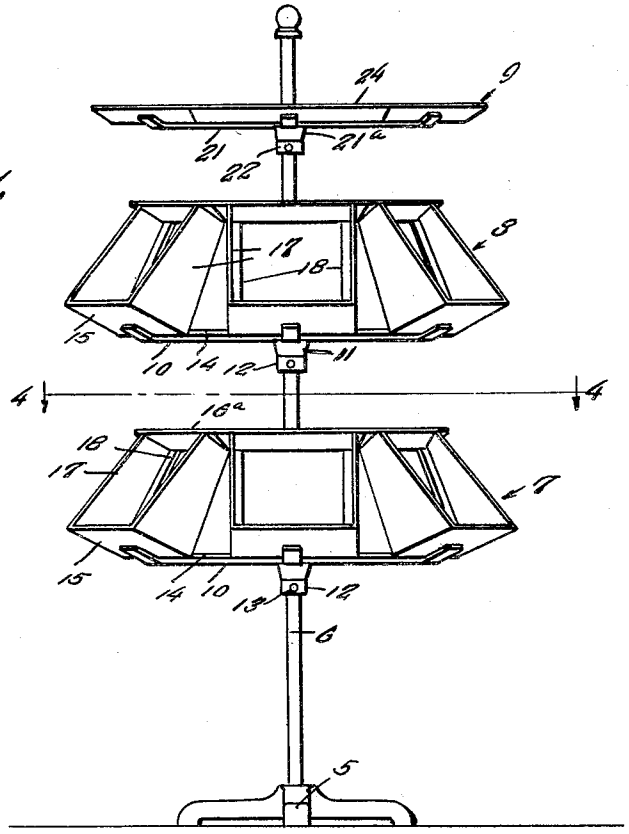
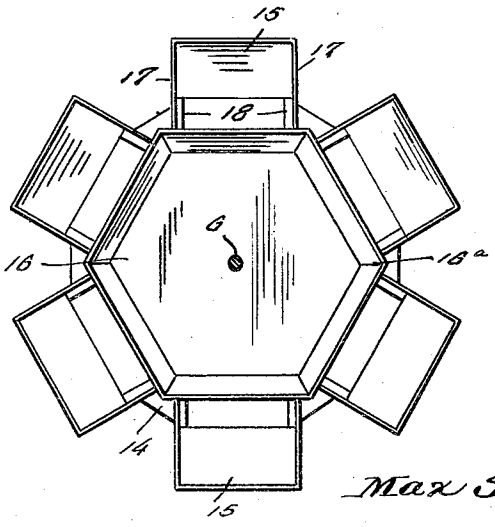


Fig. 4.



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Fig. 2.

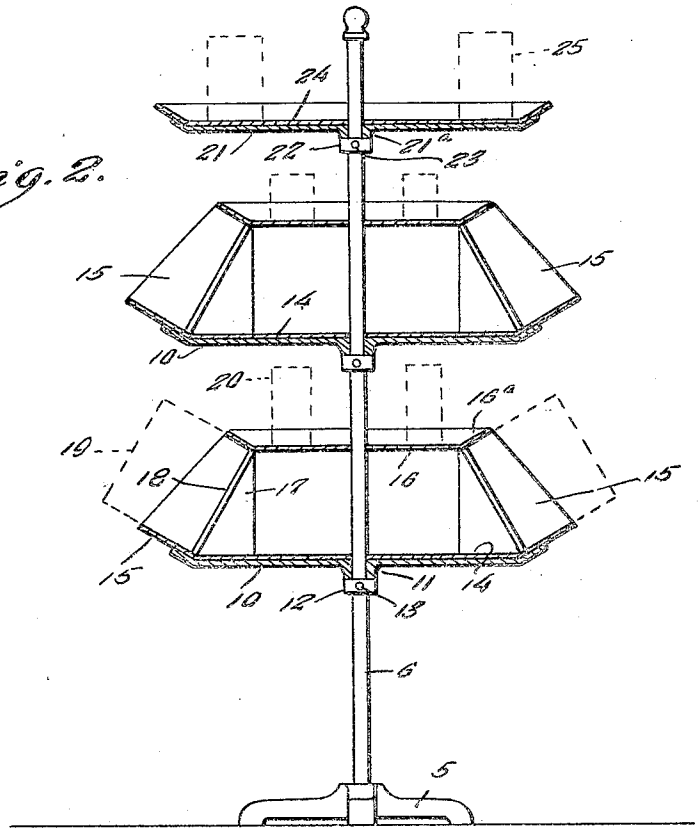
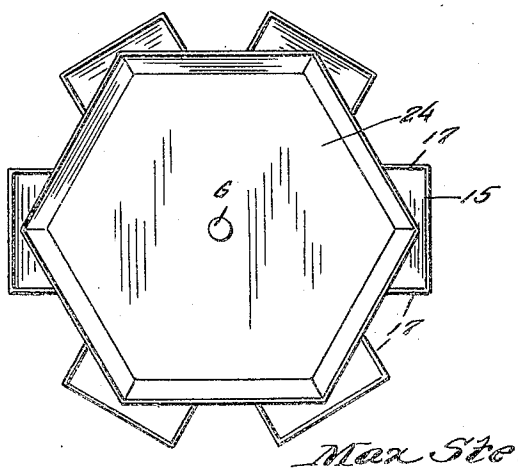


Fig. 3.



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1,908,928

UNITED STATES PATENT OFFICE

MAX STEIN, OF PUEBLO, COLORADO

REVOLVING DISPLAY RACK

Application filed June 17, 1932. Serial No. 617,888.

This invention relates broadly to racks and more particularly to a revolving rack for displaying merchandise and particularly crackers, cookies, packages or other suitable merchandise that might be for sale in retail grocery stores.

In accordance with the present invention a rack is provided having a plurality of shelves rotatable relative to one another, certain of the shelves being provided with means especially adapted for receiving large boxes of cookies or the like and for holding them in a position advantageous for displaying the contents thereof.

The invention together with its numerous objects and advantages will be best understood from a study of the following description taken in connection with the accompanying drawings wherein:

Figure 1 is an elevational view of the rack.

Figure 2 is a longitudinal sectional elevational view therethrough.

Figure 3 is a top plan view thereof.

Figure 4 is a transverse sectional view taken substantially on the line 4—4 of Figure 1.

With reference more in detail to the drawings it will be seen that my improved rack comprises a base 5 having a vertical standard 6 rising therefrom.

Revolubly mounted on the standard 6 is a plurality of shelves, in the present instance three shelves including a lower shelf 7, an intermediate shelf 8, and a top shelf 9. It is to be understood that I do not wish to limit myself to the specific number of shelves shown.

Each of the shelves 7, 8 comprises a reinforcing spider 10 having its hub 11 rotatably engaging the standard 6 and held in position on the standard through the medium of a collar 12 secured at the desired adjustment on the standard by a set screw or the like 13. Fixed to the top sides of the arm of the spider 10 is a plate 14 which at its marginal edge is provided with a circular series of relatively spaced outwardly and upwardly extending flanges 15 and the outer ends of the arms of the spider 10 are welded or otherwise secured to the outer faces of the flanges as suggested in Figure 2.

Disposed above the plate 14 and forming the top of the shelf is a rimmed plate 16 which in the present instance is hexagonal and has the rim 16ª thereof extending upwardly and outwardly as shown. The flanges or projections 15 correspond in number to the number of sides of the tray or plate 16 and each flange or projection 15 is connected with a corresponding side of the plate 16 by a pair of spaced wall forming plates 17 which are tapered and are smallest at their upper ends. The wall forming plates 17 are of the shape suggested in the drawings and suitable for disposition between the plates 14 and 16 and each pair of plates has on confronting sides thereof inwardly directed flanges 18 disposed at an angle to the perpendicular and sloping inwardly and upwardly, and form stops for the inner side of a box, carton or the like shown by broken line in Figure 2 and designated by the reference character 19. In this connection it will be noted that each pair of plates 17 form therebetween a pocket for reception of a carton 19 so that the latter may be advantageously placed and retained on the shelf with the transparent or open side of the box or carton 19 disposed as to permit one to have a clear view of the contents of the carton.

As also suggested in Figure 2 the tray or top plate 16 of the shelves 7 and 8 may be utilized for supporting in upright position or in any other suitable manner cartons or boxes of crackers or the like as indicated by broken lines in Figure 2 and designated by the reference character 20.

The uppermost shelf 9 also comprises a reinforcing spider 21 having a hub 21*a* rotatably engaged with the standard 6 and supported thereon through the medium of a collar 22 secured at the desired adjustment on the standard through the medium of the set screw 23. The spider 21 is secured to the underside of a tray 24 that in many respects is similar to the top plate or tray 16 of shelves 7, 8, being as suggested in Figure 3 hexagonal and having an upwardly and outwardly extending rim. However the plate 24 is

preferably larger than the top plate 16 of the aforementioned shelves 7, 8. Packaged merchandise such as indicated at 25 may be arranged on the shelf 7 as found desirable.

From the foregoing it will be seen that I have devised a revolving display rack especially suitable for displaying boxed and packaged merchandise and wherein each of the shelves may be easily revolved. It is also apparent that the rack is comparatively simple in construction, can be retailed at a nominal cost, and will be found especially adapted for use by merchants for displaying cakes and the like.

Even though I have herein shown and described the preferred embodiment of the invention, it is to be understood that the same is susceptible of further changes, modifications and improvements coming within the scope of the appended claims.

Having thus described my invention, what I claim as new is:

1. In a display rack of the class described, a standard, a shelf revolubly mounted on the standard, said shelf including upper and lower vertically spaced plates, the lower plate being of greater diameter than the upper plate, and each of said plates having an upwardly and outwardly extending rim, and a circular series of pairs of relatively spaced inclined plates connecting the rims of said upper and lower plates and providing pockets for accommodating articles in an inclined position on said shelf.

2. A display rack including in combination a shelf comprising upper and lower plates each having an upwardly and outwardly directed rim, said plates being polygonal in plan, and means connecting the plates at the rims thereof for securing the plates in relatively fixed vertically spaced relation, said means including a series of inclined plates having laterally directed flanges at their inner inclined edges for limiting inward movement of an article relative to said plates.

In testimony whereof I affix my signature.

MAX STEIN.