Aug. 5, 1941. H. KONIKOFF 2,251,740

ARTICLE DISPLAY DEVICE

Filed April 5, 1940 2 Sheets-Sheet 1

Fig. 1

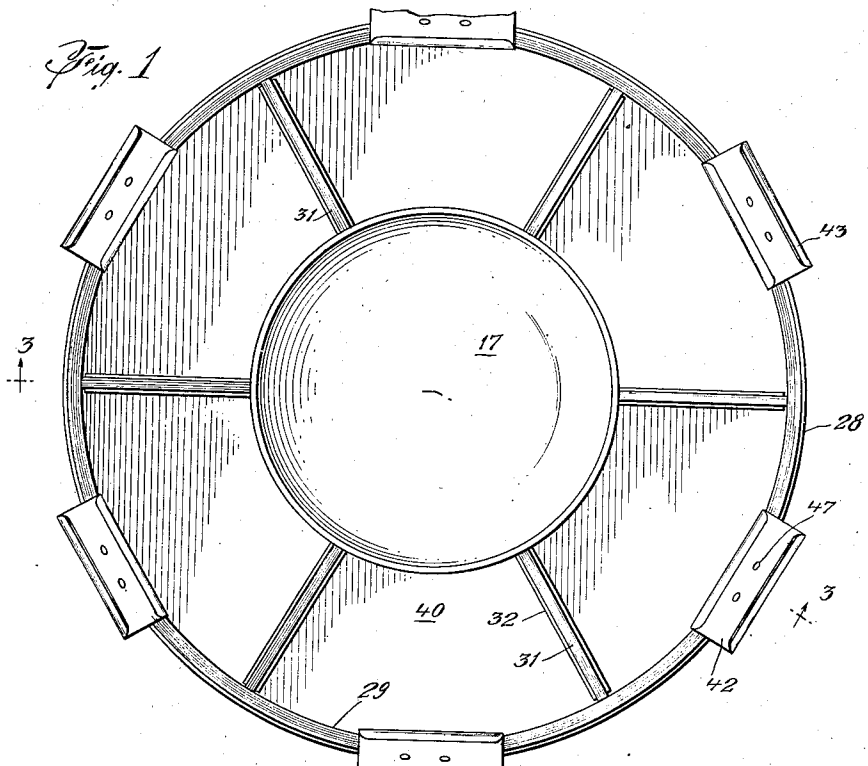
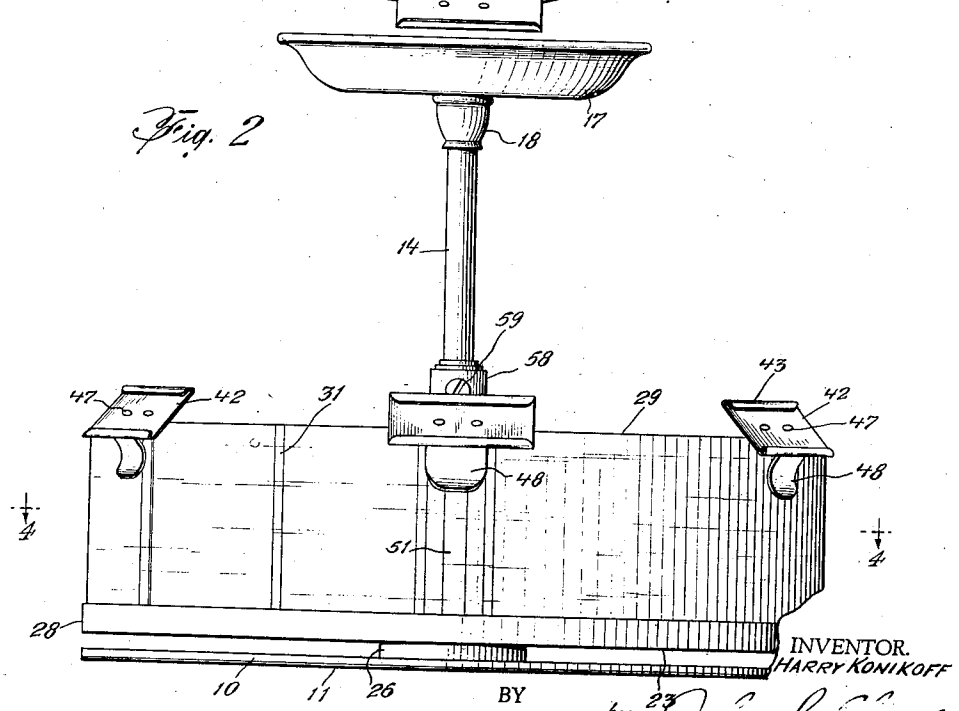


Fig. 2



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Filed April 5, 1940 2 Sheets-Sheet 2

Fig. 3

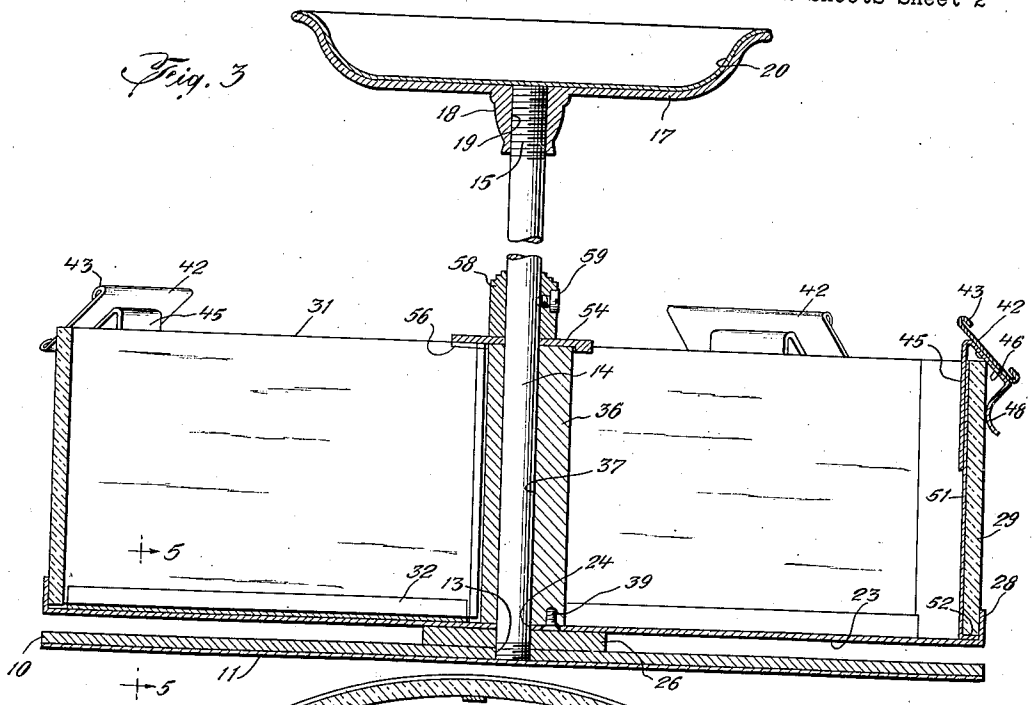
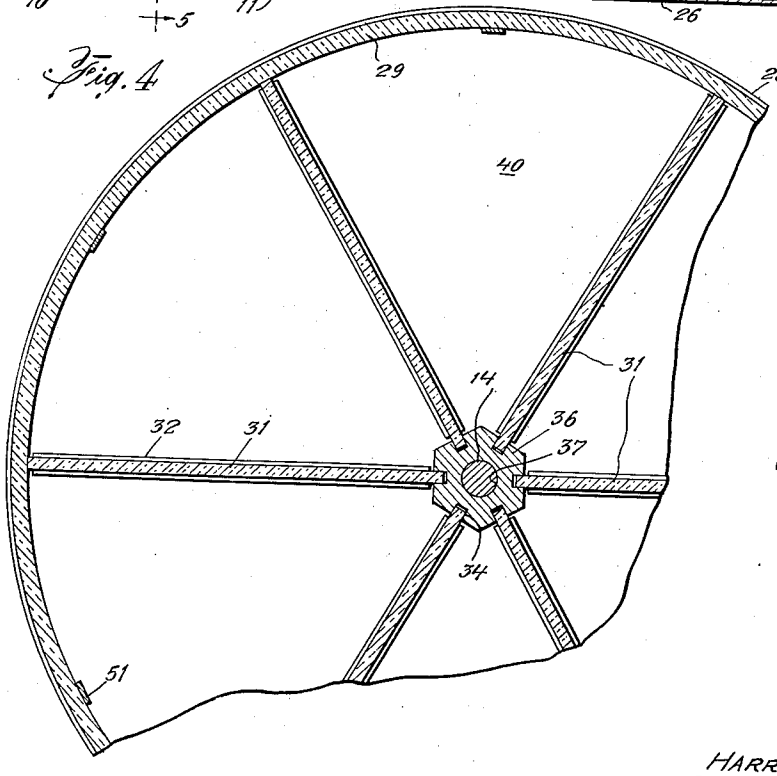


Fig. 4



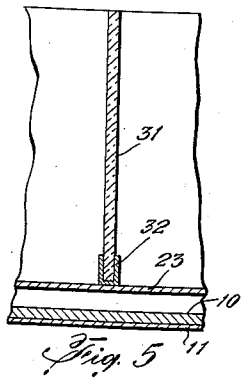


Fig. 5

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UNITED STATES PATENT OFFICE

2,251,740

ARTICLE DISPLAY DEVICE

Harry Konikoff, Far Rockaway, N. Y.

Application April 5, 1940, Serial No. 327,983

5 Claims. (Cl. 211—131)

This invention relates to new and useful improvements in store furniture, and relates more particularly to a combined article display device and change tray.

In recent years, with the imposition of various State, local and Federal taxes, most articles purchased in cigar stores, drug stores and the like are priced at figures which are not even multiples of five cents, as was the case heretofore. In other words, the purchaser almost invariably receives a few pennies in his change when he purchases small articles.

It is one of the principal objects of the present invention to provide a novel change tray in combination with an article display fixture of the rotating type, the display device having a plurality of compartments which are open at their upper ends and which are adapted to receive small articles of merchandise, such as gum, candies and the like, such articles being priced at one or two cents. Thus the customer views the novel display as he reaches for his change, and he is inclined or persuaded to purchase one or more of such articles with the pennies in his change.

Another object of the invention is the provision of an improved article display device comprising a circular base having a central, upstanding support or shaft, and a circular article display device mounted thereon and adapted to be manually rotated by the purchaser. The circular display portion is formed in a novel fashion with a circular side wall or housing made preferably of glass or other transparent material such as a plastic, the device further having a plurality of radially disposed partitions, also formed of transparent material. The device is so constructed as to be readily dismounted and disassembled in order to permit thorough cleaning of all the parts.

Another object of the invention is to provide an improved type of support for the radial partitions, means being provided for easy removal of such partitions to permit cleaning of the major portion of the fixture without further dismantling of the parts.

Yet another object of the invention is to provide a novel type of card display device associated with each one of a plurality of compartments in the rotary fixture.

In the drawings:

Fig. 1 is a top plan view of the preferred embodiment of the present invention.

Fig. 2 is a front elevation thereof.

Fig. 3 is a vertical section taken on lines 3—3 of Fig. 1.

Fig. 4 is a broken horizontal section taken on lines 4—4 of Fig. 2.

Fig. 5 is a broken vertical section taken on lines 5—5 of Fig. 3.

The preferred embodiment of the present invention includes a base member 10 comprising a circular disc of relatively heavy sheet metal. On the lower surface of this base member a circular piece 11 of felt or other resilient material is adhesively secured. A threaded aperture 13 is formed in the center of the base member, and in such aperture a vertical shaft 14 is rigidly secured.

The upper end of this shaft is threaded, as shown at 15. A circular, concave change tray 17 having a central boss 18 on its lower surface, and being formed with a threaded vertical aperture 19, is rigidly secured at the upper end of such shaft. The inner surface of the change tray is desirably lined with a piece of felt 20.

The rotary display device includes a circular disc 23 of sheet metal, such disc being desirably of thinner metal than base member 10. This disc forms the base portion of the rotary display device and is provided with a central aperture 24 through which shaft 14 passes. A circular bearing member or washer 26 is positioned between the disc 23 and base member 10, and serves as the lower bearing for such rotary display device.

Base portion 23 is further formed with an upwardly extending annular flange 28, which encloses the lower end of a circular, substantially cylindrical housing member 29, which is desirably molded of glass. This housing may, of course, be made from sheet metal or any other suitable material, although transparent material is preferred since it enables the store customer to view the contents of the several compartments through such housing.

A plurality of radially disposed partitions 31, which are also desirably made from glass or other transparent material, are supported at their lower ends in channels 32, which are U-shaped in transverse section, as shown in Fig. 5. At their inner ends these partitions are received in substantially square vertical recesses 34 in the side walls of a hexagonal bearing member 36, such bearing member having a central bore 37 which receives shaft 14.

In the embodiment shown, six of such partitions 31 are provided, and in this instance bearing member 36 is shown as having six sides with a centrally disposed vertical recess 34 in each side

receiving the inner terminals of partitions 31, as aforesaid. Bearing member 36 is rigidly mounted on the uper surface of base member 23 by means of screws 39, shown in Fig. 3.

Inasmuch as each channel member 32, and the vertical recess 34 in bearing member 36, provide a high order of support for partitions 31, no additional support therefor is afforded at the outer ends thereof. There are thus formed in the embodiment shown six sector-shaped compartments 40 which are open at their upper ends and are adapted to receive small packages of candy, gum, or any other articles.

In order to indicate the price at which the articles contained in each compartment are to be sold, each compartment is provided with a card support 42 having opposed inwardly turned flanges 43 adapted to receive a card therein. Each card support is diagonally mounted on a substantially U-shaped support comprising a vertical portion 45, a diagonal portion 46 to which the card support is secured by means of rivets 47, and a curved portion 48 which yieldingly engages the outer surface of housing member 29. Vertical portion 45 is secured by spot welding, or otherwise, to a vertical strip 51, which is formed with an inwardly turned horizontal portion 52 at its lower end, such portion being engaged on its upper surface by the lower edge of housing 29.

Removal of the several partitions 31 is prevented by means of a circular plate 54 positioned on shaft 14 on the upper surface of bearing member 36, such plate having a plurality of spaced cut-out portions 56 which receive the upper edges of partitions 31. This plate is engaged on its upper surface by means of a collar 58 having a set screw 59 therein. This collar, which is thus rigidly secured to the shaft, prevents upward movement of both the partitions and of the rotary display device.

What I claim is:

1. A rotary display device comprising a substantially circular housing formed of transparent material, a base member supporting said housing, a centrally disposed journal member mounted on the base member and having a bore therein, a plurality of radially disposed partitions engaging the inner surface of the housing at their outer ends and the journal member at their inner ends thus forming a plurality of compartments open at their upper ends, said journal member having a plurality of spaced vertical recesses receiving said inner ends, a shaft positioned within the base and forming a support for said display device, a plate mounted on said shaft above the partitions and having a plurality of recesses therein which receive the upper edges of said partitions.

2. An article of the class described comprising a substantially flat base, a shaft rigidly mounted in the center thereof and projecting upwardly therefrom, and an article display member rotatably mounted on the shaft, said display member comprising a substantially circular base member formed with an upwardly turned annular flange around the marginal edge thereof, a circular, substantially cylindrical housing of substantially transparent material mounted on the base member and being enclosed around its lower edge by said flange, and being open at its upper end, a bearing member having a central bore therein mounted centrally of the base member and receiving the shaft in such bore, said bearing member having a plurality of spaced vertical slots therein, a plurality of radially disposed partitions mounted within said rotary member, the inner terminals of said partitions being positioned within said vertical slots.

3. An article of the class described comprising a base, a shaft rigidly mounted thereon and projecting therefrom, and an article display member rotatably mounted on the shaft, said display member comprising a circular base member of substantially the same size as the base and an upwardly turned annular flange around the marginal edge thereof, a circular, side wall member mounted on the base member and being enclosed around its lower edge by said flange, a bearing member having a central bore therein mounted in the center of the base member and receiving the shaft in such bore, said bearing member having a plurality of spaced vertical slots therein, a plurality of radially disposed partition members mounted within said rotary member, the inner terminals of said partitions being positioned within said vertical slots, and supporting the journal member in its vertical position, and channeled members mounted in the base member for supporting the partitions at the lower edges thereof.

4. A rotatable display device comprising a circular rotatable base member, a circular housing supported by said base member around the marginal edge of the latter, a centrally disposed, elongated journal member secured on the upper surface of the base member and having a longitudinal bore therein, a plurality of radially disposed partitions mounted on the upper surface of the base member and engaging the journal member and circular housing to form a plurality of sector-shaped compartments, cooperating partition supporting elements on the base and journal member, the base having a central aperture therein aligned with the bore of the journal member, a fixed vertical shaft passing through the aperture and bore and forming a support for said display device, and means for supporting the shaft.

5. An article of the class described comprising a base, a vertical shaft rigidly mounted thereon and projecting upwardly therefrom, and a rotatable article display structure journalled on the shaft, said structure comprising a circular base member, a circular, substantially cylindrical unbroken housing of transparent material mounted on the base member and means projecting upwardly from the marginal edge of the base member engaging the outer surface of the housing, a bearing member having a central bore therein mounted centrally of the base member and receiving the shaft in such bore, said bearing member having a plurality of spaced vertical recesses therein, a plurality of radially disposed partitions mounted within said rotary member, the inner terminal of each partition being positioned within one of said recesses, and means disposed on the upper surface of the base member forming additional support for the partitions.

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