

Sept. 1, 1925.

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J. B. FOWLER

ROTARY DISPLAY STAND

Filed Sept. 30, 1924

2 Sheets-Sheet 1

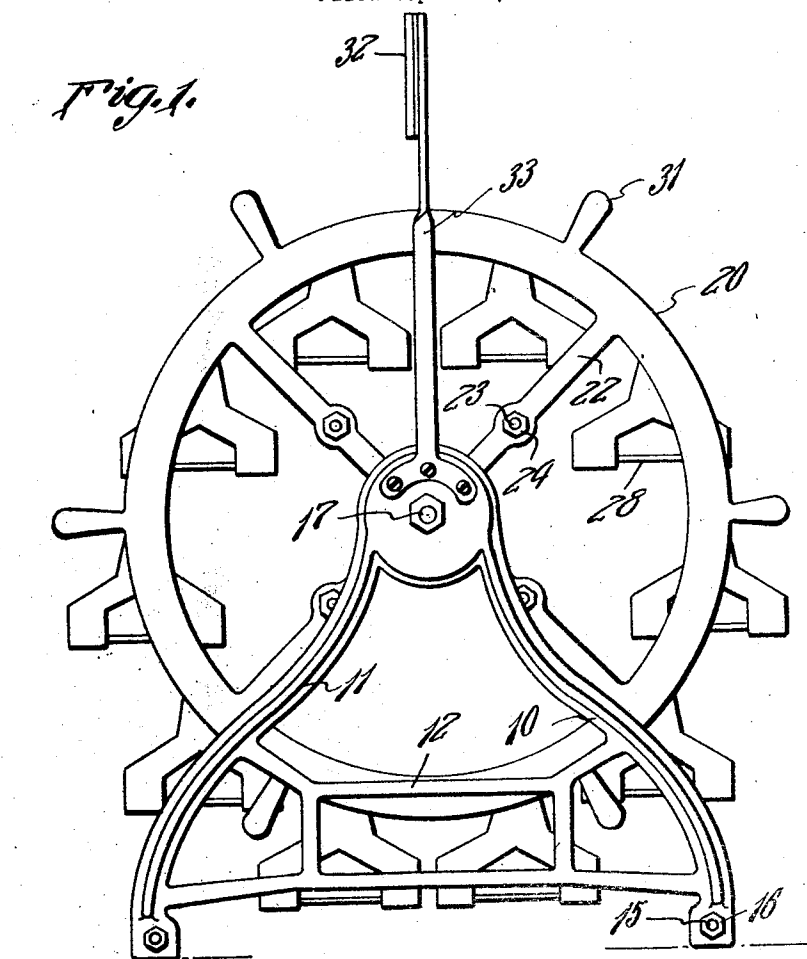
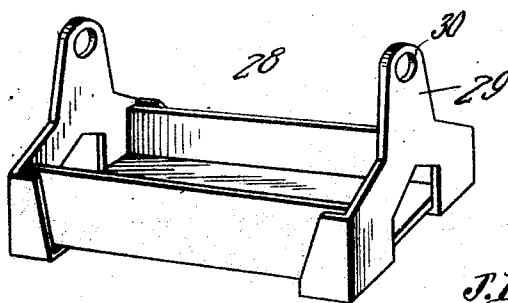


Fig. 4.



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2 Sheets, Sheet 2

Fig. 2.

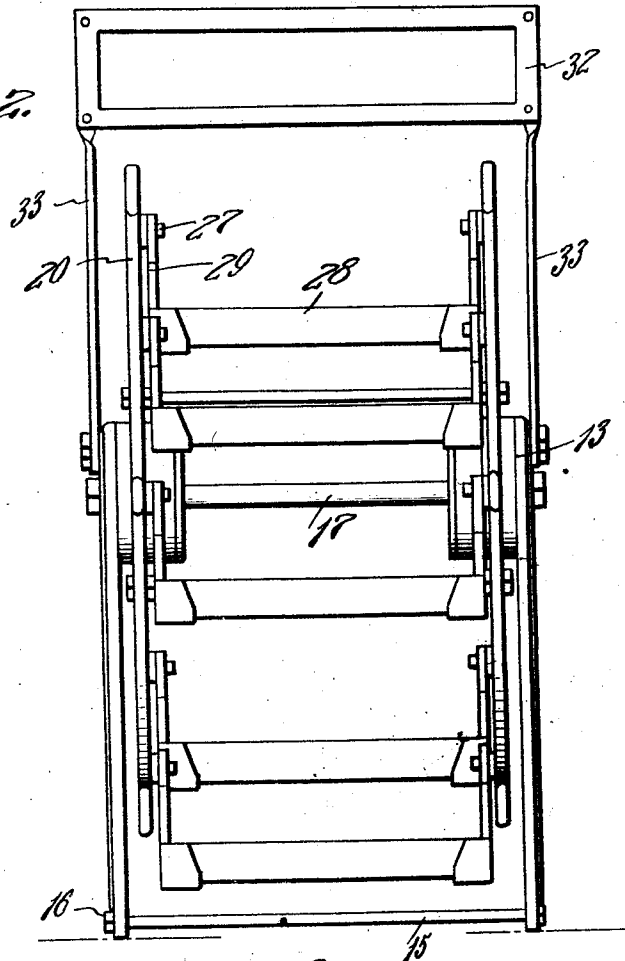
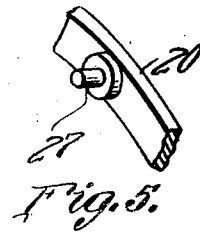
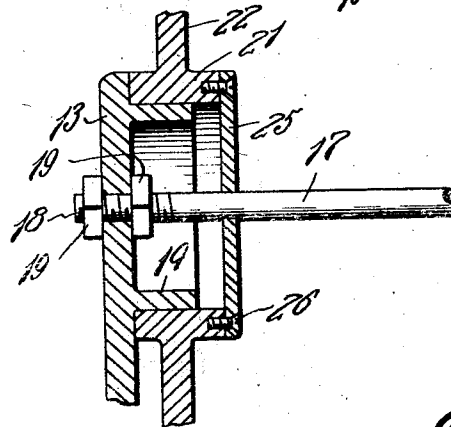


Fig. 3.



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UNITED STATES PATENT OFFICE.

JAMES B. FOWLER, OF LOS ANGELES, CALIFORNIA.

ROTARY DISPLAY STAND.

Application filed September 30, 1924. Serial No. 740,852.

To all whom it may concern:

Be it known that I, JAMES B. FOWLER, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Rotary Display Stands, of which the following is a specification.

This invention contemplates the provision of a rotary display stand for various kinds of merchandise, and embodies amongst other features a pair of spaced supporting members upon which a wheel is mounted for rotation, the wheel supporting a plurality of receptacles of any suitable construction, and in which the merchandise is adapted to be arranged.

The chief characteristic of the present invention resides in the novel manner of mounting the wheel upon the supporting members, whereby the wheel while susceptible of being rotated, is adapted to be frictionally held in any given position, to eliminate the wheel from rotating of its own accord under any circumstance, means being provided to vary the friction between the wheel and the supporting members, so that the wheel can be easily rotated manually or otherwise.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a side elevation of the display stand forming the subject matter of this invention.

Figure 2 is a view taken at a right angle to Figure 1.

Figure 3 is an enlarged fragmentary sectional view showing how the wheel is mounted upon one of the supporting members, and the members capable of adjustment to regulate the friction between said parts for the purpose above mentioned.

Figure 4 is a perspective view of one of the receptacles supported by the wheel.

Figure 5 is a fragmentary view of one of the wheel members.

As hereinabove stated, the display stand forming the subject matter of my invention embodies a pair of spaced upright supporting members, each member being preferably of the construction and design shown in Figure 1, or other designs may be used without departing from the spirit of the invention. In this figure it will be noted that the supporting member shown includes a pair of spaced supporting legs 10 and 11 respectively which are connected together adjacent their lower ends by a suitable frame work 12 which may be of any artistic design. The corresponding upper extremities are joined together by a disk like portion 13 from the inner side of which projects a hollow boss 14 constituting a bearing for the wheel to be hereinafter described. It will be noted upon inspection of Figure 2 that the corresponding legs of the spaced supporting members are connected together by transverse rods 15, the ends of which are equipped with nuts 16, while the disklike portions 13 at the upper ends of said supporting members are connected together by a transverse rod 17 the terminals of which pass centrally through these disk like portions as clearly shown in Figure 3. Each end of this transverse rod 17 is threaded as at 18, and has associated therewith nuts 19 which are arranged at opposite sides of the adjacent disk like portion 13. This arrangement prevents casual separation of the upper ends of the supporting members.

Journalled upon the supporting members is a wheel made up of spaced annuli indicated at 20, and each annulus is formed with a hub 21 which is of a size to snugly receive the hollow boss 14 carried by the adjacent supporting member as shown in Figure 3. Radiating from each hub is a plurality of spokes 22, and the corresponding spokes of said annuli are connected together by transverse rods 23, the ends of which are provided with nuts 24. Each hub carries a dust plate 25 which closes the inner side of the hub to prevent dirt and other foreign matter from finding its way into the hub, and it will be noted that the outer side of each hub is closed by the circular portion 13 of the adjacent supporting member. The dust plate is secured to the hub by suitable fastening elements 26, and each plate is formed with a central opening to receive a transverse rod 17. Projecting inwardly from

each annulus is a circumferential series of pins 27, the pins on one annulus being arranged in transverse alignment with the pins carried by the other annulus to allow the receptacles 28 to be pivotally suspended from the said pins in the manner shown in Figures 1 and 2. Projecting upwardly from the opposed ends of each receptacle 28 are apertured hangers 29, and the apertures 30 of these hangers are adapted to receive the adjacent pins 27 above referred to. These receptacles may vary in size and configuration, depending upon the character of merchandise adapted to be displayed, it being understood that the merchandise is arranged in these receptacles, which are successively brought to view of the customer for his inspection as the wheel is rotated. The wheel may be rotated manually, or by a small motor not shown, but for the purpose of rotating the wheel manually each annulus is formed with a plurality of handles 31 which radiate from the periphery thereof.

As above stated one of the chief characteristics of the present invention resides in the fact that the opposed supporting members may be adjusted to cause said members to bind against the adjacent hubs 21 of the wheel, and in this manner frictionally maintain the wheel fixed relatively to the supporting members in any given position, and in this way prevent the wheel from rotating of its own accord; whether it is out of balance or not. By reason of the fact that the supporting members are adjustable in the manner described, that is by adjusting the nuts 19, the friction between the supporting members and said hubs can be regulated to a nicety, that is sufficient to maintain the wheel in any given position, and at the same time not require very much effort on the part of the user to rotate the wheel to properly display or exhibit the various merchandise contained in the receptacles 28.

If desired a sign 32 for various kind of advertising matter may be supported above the stand by means of the spaced parallel

supporting legs 33, the latter being adapted to be secured to the disk like portions 13 of the supporting members as shown in Figures 1 and 2.

While it is believed that from the foregoing description, the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described, and that such changes may be resorted to when desired as fall within the scope of what is claimed.

What I claim is:

1. A display stand of the character described comprising spaced supporting members, a wheel including spaced hub like portions journaled upon the supporting members, a plurality of receptacles carried by said wheel and freely pivoted thereon adjacent the periphery thereof; a transverse rod connecting the corresponding upper extremities of said supporting members, and nuts threaded on the ends of said rod, whereby said supporting members can be moved toward or away from each other to contact said hubs with the proper degree of friction to hold said wheel in any given position and allow said wheel to be rotated between said supporting members for the purpose specified.

2. In a display stand of the character described, spaced upright supporting members, a hollow boss projecting inwardly from the upper end of each member, a wheel including spaced annuli, each annulus having a hub journaled on the boss of the adjacent supporting member, transverse rods connecting said annuli, a plurality of receptacles supported between said annuli and freely pivoted thereon, and means connecting the corresponding upper ends of said supporting members for adjusting the latter with relation to said hubs, whereby said wheel may be frictionally maintained in any given position irrespective of the balance of said wheel.

JAMES B. FOWLER.