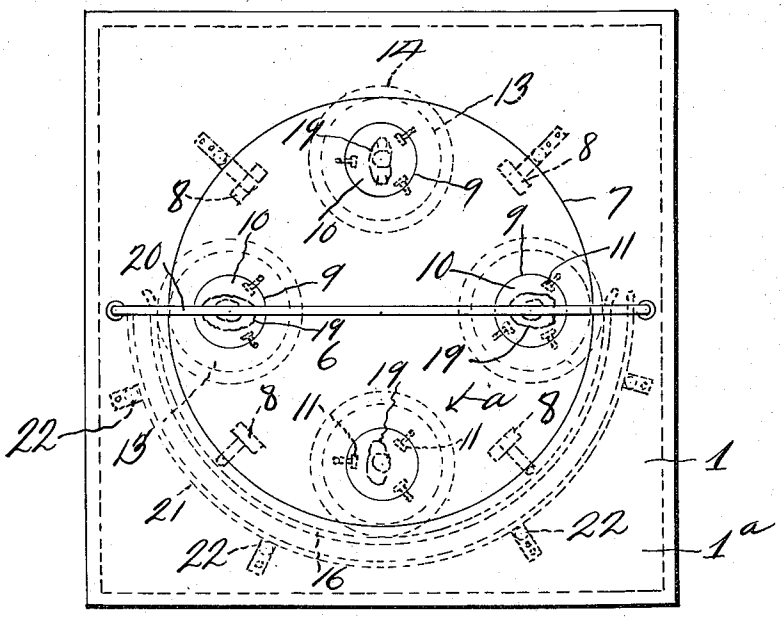
Dec. 21, 1926. 1,611,155

G. N. BISAILLON

DISPLAY DEVICE

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Fig. 1.



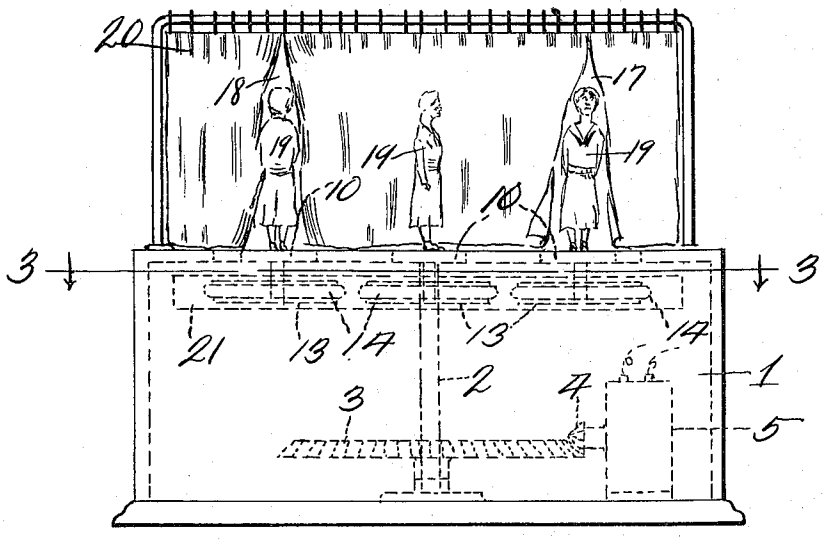


Fig. 2.

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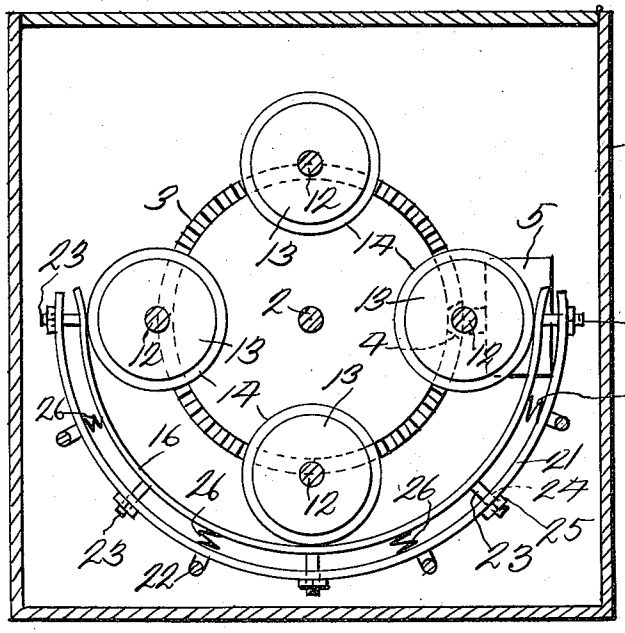
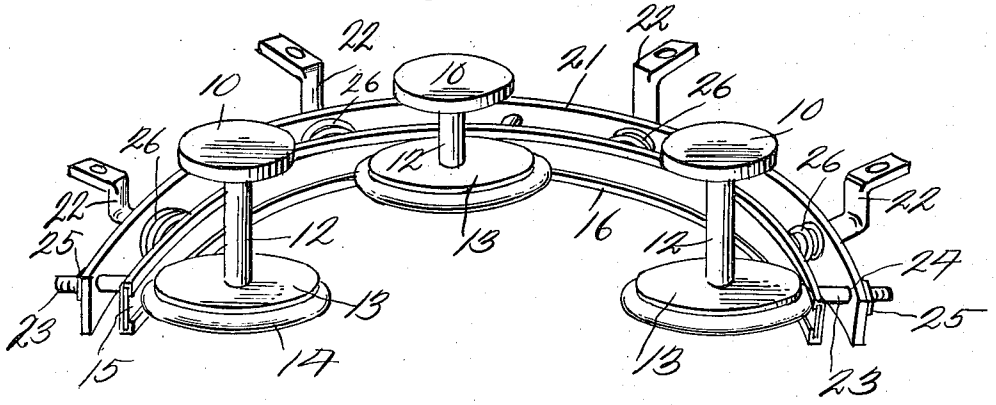


Fig. 3.

Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE N. BISAILLON, OF FALL RIVER, MASSACHUSETTS.

DISPLAY DEVICE.

Application filed September 1, 1925. Serial No. 53,840.

The invention relates to display devices, and has for its object to provide a device of this character comprising a casing having a rotatable platform provided with a plurality of rotatable discs, on which discs figures may be placed for displaying garments or other articles, and means cooperating with the discs whereby during the rotation of the platform, they will have a planetary movement for rotating the figures thereon for displaying costumes on the figures from all sides.

A further object is to provide the device with a curtain extending transversely across the same, and which curtain is provided with an entrance and exit for the figures, and means whereby, during the movement of the figures, when passing through the entrance of the curtain, they will be in front elevation, and when passing through the exit of the curtain, they will be in rear elevation. Also to provide means whereby as the figures pass through the exit, rotation thereof will be stopped until the figures pass through the entrance, thereby presenting the figures as they pass through the entrance in front elevation.

A further object is to provide the figure carrying disc with downwardly extending shafts, the lower ends of which are provided with friction discs, which engage a segmentally shaped track during the rotation of the platform and which track and friction wheels impart rotation to the figure carrying discs.

A further object is to yieldably mount the segmentally shaped track, thereby insuring a positive frictional engagement of the friction wheels therewith, and to provide adjusting means in connection with the track, whereby the frictional engagement thereof with the friction wheels may be varied particularly adjacent the ends of the track for accurately adjusting the starting and stopping of the rotation of the figures in relation to the curtain entrance and exit.

With the above and other objects in view the invention resides in the combination and arrangement of parts as hereinafter set forth, shown in the drawing, described and claimed, it being understood that changes in the precise embodiment of the invention may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:—

Figure 1 is a top plan view of the device.

Figure 2 is a front elevation of the device.

Figure 3 is a horizontal sectional view taken on line 3—3 of Figure 2.

Figure 4 is a perspective view of the arcuate track, the discs and the friction wheels.

Referring to the drawings, the numeral 1 designates a rectangular shaped casing, and 2 a vertically disposed shaft within the casing. The shaft 2 is provided with a bevelled gear 3, which meshes with a bevelled gear 4 carried by a motor 5 within the casing 1, and which motor forms driving means for the bevel gear 3, shaft 2 and mechanism hereinafter set forth. Mounted on the upper end of the shaft 2 is a rotatable platform 6, which platform rotates in the direction of the arrow *a* and is disposed in the round opening 7 in the upper side of the casing 1, however it is supported on antifrictional rollers 8 for insuring an easy and noiseless rotation of the platform. Rotatably mounted within round openings 9 in the platform 6 are discs 10, which discs are supported on antifrictional rollers 11 and are provided with downwardly extending shafts 12, the lower ends of which are provided with friction wheels 13, which are preferably provided with rubber rims 14, which frictionally engage the rubber strip 15 in the arcuate track 16 within the casing, therefore it will be seen that as the platform 6 is rotated, the figure carrying discs 10 will have a planetary movement for substantially one half the rotation of the platform 6, that is substantially one hundred and eighty degrees, and as the ends of the trackway 16 are substantially one hundred and eighty degrees apart, and in registration with the curtain entrance 17 and the curtain exit 18, it will be seen that when the figures 19, which are mounted on the disc 10 are on one side of the curtain 20, they will be rotated, and when on the other side of the curtain they will not rotate. The trackway 16 and the friction wheels 13 are proportioned whereby when the figures pass through the entrance 17 of the curtain they will be shown in front elevation and when they pass through the exit 18, they will be shown in rear elevation, and in a position whereby when the rotation thereof stops they are in a position where they will show in front elevation as they pass through the entrance 17, and at

which time the rotation of the figures starts for displaying garments on the figures from all sides, therefore it will be seen that a display device is provided for displaying garments or other articles.

The trackway 16 is supported by means of an arcuate bracket 21, which is provided with upwardly extending bracket arms 22 secured to the under side of the top 1^a of the casing, however it is to be understood it may be supported in any other manner. Trackway 16 is slightly flexible and is provided with radially disposed bolts 23, which extend through apertures 24 in the arcuate bracket 21, and are provided with nuts 25 which may be tightened and loosened for bowing the trackway 16 for insuring a positive frictional engagement of the tires 14 of the friction wheels 13 therewith for obviating any jerky action and insuring a smooth steady rotation of the figures. The trackway 16 is also yieldably supported by means of coiled springs 26, which are interposed between the trackway and the arcuate bracket 21, therefore it will be seen that the trackway will be held in engagement with the friction wheels 13 at all times, and the track will yield incident to any irregularities in the mechanism. By adjusting the end bolts 23 it is obvious that ends of the trackway 16 may be adjusted outwardly or inwardly for accurately timing the starting and stopping of the rotation of the wheels 13 in relation to the curtain entrance 17 and exit 18 for insuring the proper positioning of the figures when passing through the entrance and exit of the curtain.

From the above it will be seen that a garment display device is provided which is simple in construction, the parts reduced to a minimum, friction wheels utilized in connection with a yieldable friction track, thereby allowing quick adjustment of the figures in relation to the entrance and exit of the curtain and at the same time providing a mechanism which will not get out of order and one wherein the parts are reduced to a minimum.

The invention having been set forth what is claimed as new and useful is:—

The combination with a display device comprising a rotatable platform having figure carrying discs rotatably mounted thereon, of means for imparting a planetary movement to the figure carrying discs during the rotation of the platform, said means comprising an arcuately shaped trackway, friction discs carried by the figure carrying discs and engaging the trackway, an arcuately shaped bracket adjacent one side of the trackway, bolts carried by the trackway and extending through apertures in the bracket and forming means whereby said trackway may be adjusted in relation to the friction wheels, and springs interposed between the trackway and arcuate bracket.

In testimony whereof I have signed my name to this specification.

GEORGE N. BISAILLON.