W. S. TURNPAUGH.

EXHIBITOR.

APPLICATION FILED AUG. 12, 1910.

979,605.

Patented Dec. 27, 1910.

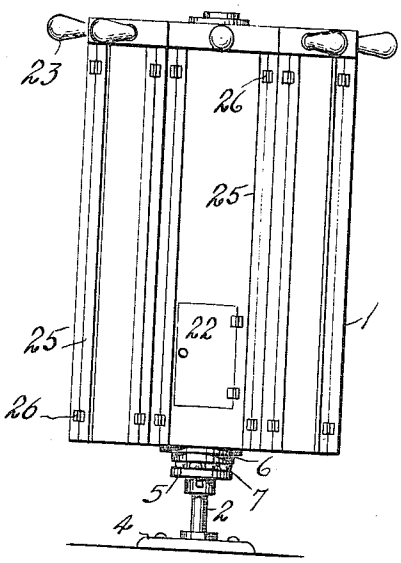

Fig. 1

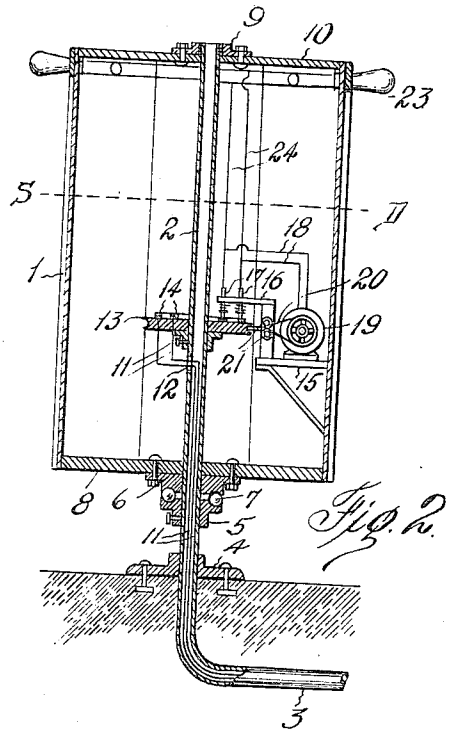

Fig. 2.

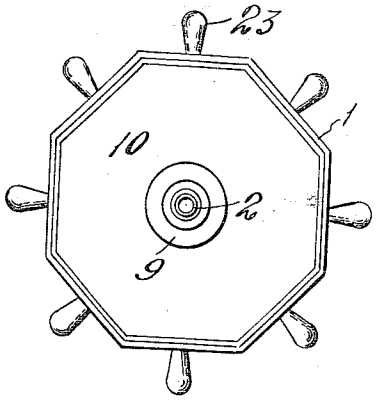

Fig. 3

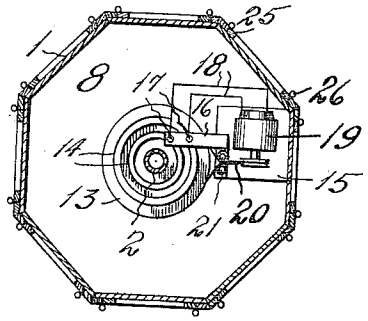

Fig. 4

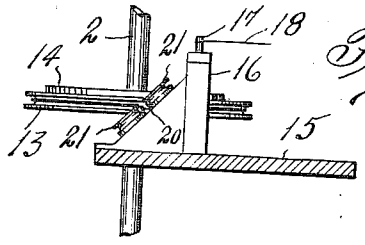

Fig. 5

WITNESSES:

L. E. Noack.

Emmett Meadows

INVENTOR

W. S. Turnpaugh.

BY

Ackley & Stivers

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WALTER S. TURNPAUGH, OF FORT WORTH, TEXAS.

EXHIBITOR.

979,605. Specification of Letters Patent. Patented Dec. 27, 1910.

Application filed August 12, 1910. Serial No. 576,895.

To all whom it may concern:

Be it known that I, WALTER S. TURNPAUGH, a citizen of the United States, residing at Forth Worth, in the county of Tarrant and State of Texas, have invented certain new and useful Improvements in Exhibitors, of which the following is a specification.

This invention has relation to exhibitors and particularly to rotating exhibitors.

The object of the invention is to provide an upright drum arranged to rotate about an electrical conduit which forms the shaft of the drum and which drum has its outer surface arranged for exhibiting purposes and is equipped with suitable electric illuminating devices.

A further feature resides in the installation of a motor in fixed relation to the inner side of the drum and driving the latter by means of a power transmitting connection engaging a pulley fixed on the conduit-shaft which latter is also stationary.

Finally the object of the invention is to provide means of the character described that will be strong, durable, efficient, and easy of operation, simple and comparatively inexpensive to construct, and also in which the several parts will not be likely to get out of working order.

With the above and other objects in view, the invention has relation to certain novel features of construction and operation, an example of which is described in this specification and illustrated in the accompanying drawings, wherein:

Figure 1. is an elevation of the exhibitor, Fig. 2. is a vertical section of the same, Fig. 3. is a plan view, Fig. 4. is a horizontal cross sectional view on the line S—D of Fig. 2, and Fig. 5. is a detail of the belt idlers.

In the drawings the numeral 1, designates a vertical drum having any number of sides according to the desires of the builder. The drum is suitably constructed and one or more may be employed. It is not necessary to have an overhead support for the drum and the same is mounted to rotate about a conduit pipe 2 which constitutes the shaft of the drum and I have termed this part a "conduit-shaft". The lower portion of the pipe is bent in a gradual curve to form a horizontal member 3. The member 3 and a portion of the conduit-shaft is either embedded in concrete or disposed below a floor or other support. The shaft is braced by an annular base flange 4 suitably secured in place.

Just above the flange a bearing member 5 is removably fastened on the shaft 2, while above this member, a second bearing member 6 is disposed and arranged to rotate about the shaft. Ball bearings 7 are interposed between the members and the member 6 is fastened to the bottom 8 of the drum. The upper end of the shaft passes through a bearing collar 9 secured on the top 10 of the drum. By this arrangement the drum is efficiently supported and at the same time free to be rotated.

Proper electrical conductors or wires 11 are passed through the conduit pipe from the lower end upward and are carried through an opening 12 in the shaft 2 within the drum. Just above the opening a horizontal pulley 13 is fastened about the shaft. On the upper side of the pulley, concentric contact rings 14 are secured and connected to the wires 11. To the inner side of the drum a shelf 15 is suitably secured. At the outer end of the shelf an angular bracket 16 having a portion overhanging the pulley 13, is secured. The overhanging portion of the bracket carries vertical spring pressed brushes 17 which bear and travel on the rings 14. From these brushes wires 18 lead to a motor 19 fastened on the shelf 15. A belt 20 extends from the motor and passes about the pulley 13. This belt is properly guided by idlers 21 supported by the brackets 16. It will be noted that the motor is carried by the drum and driving the belt about the fixed pulley 13 of the shaft 2 causes the drum to rotate, the driving means being thus entirely concealed within the drum. A small door 22 is provided in one side of the drum whereby access to the interior may be had.

Suitable electric lights 23 may be disposed about the top of the drum and supplied with current by wires 24 connected to the wires 18. Posters and other display sheets are secured on the outer sides of the drum in any suitable manner and these will be displayed or exhibited as the drum rotates. If desired vertical strips 25 may be secured at the intersections of the sides of the drum and mounted on spring hinges 26 which hold said strips in contact with the surface of the sides. These strips may be swung outward and the display sheets placed on the sides of the drum so that

when the strips are released they will clamp the sheets in place.

What I claim is:

1. In a rotary exhibitor, a hollow shaft, a drum mounted to rotate about the shaft, a pulley fixed on the shaft, a motor carried by the drum and having driving connection with the pulley, contacts disposed about the shaft, electrical conductors extending through the shaft and having connection with the contacts, and brushes carried by the drum engaging with the contacts and having connection with the motor.

2. In a rotary exhibitor, a hollow shaft, electrical conductors in the shaft, a bearing member fixed on the shaft, a second bearing member rotatable about the shaft and over the first member, a drum mounted on the second bearing member, a pulley carried by the shaft and fixed thereto within the drum, contacts about the shaft within the drum having connection with the conductors of the shaft, other contacts carried by the drum and engaging the first contact and connected with the motor, a motor carried by the drum, and a connection between the pulley and the motor for transmitting rotation to the drum.

3. In a rotary exhibitor, a hollow shaft fixed in position, electrical conductors in the shaft, a bearing member fixed on the shaft, a second bearing member rotatable about the shaft over the first member, a drum having display spaces on its outer surface and secured on the second bearing member, a pulley carried by the shaft and fixed thereto within the drum, concentric contacts mounted on the pulley, and having connection with the conductors of the shaft, brushes supported by the drum and traveling on the contacts, a motor carried by the drum and having connection with the brushes, and a belt engaging with the pulley and the motor for transmitting rotation to the drum.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER S. TURNPAUGH.

Witnesses:

L. E. NOACK,

JACK A. SCHLEY.