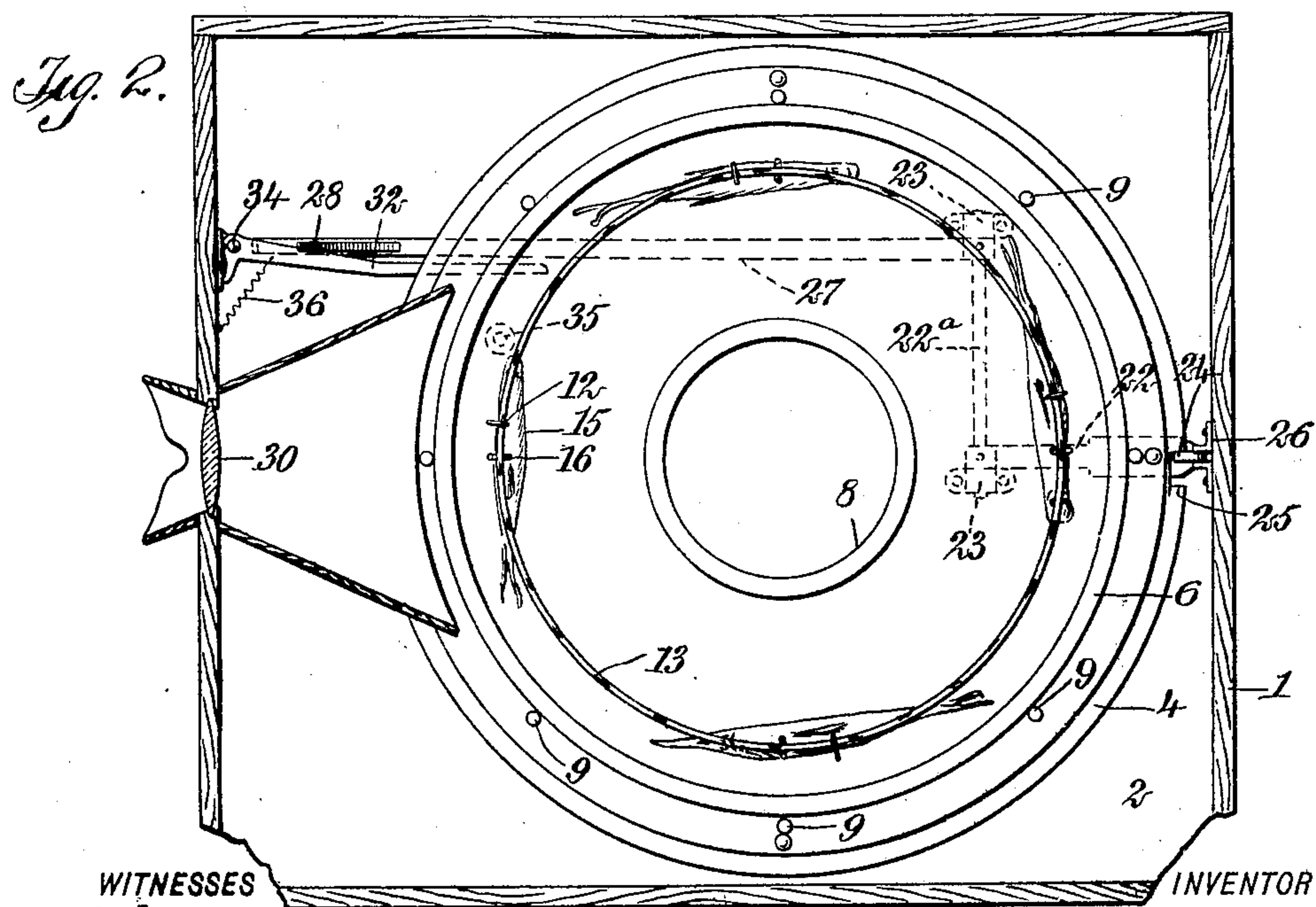
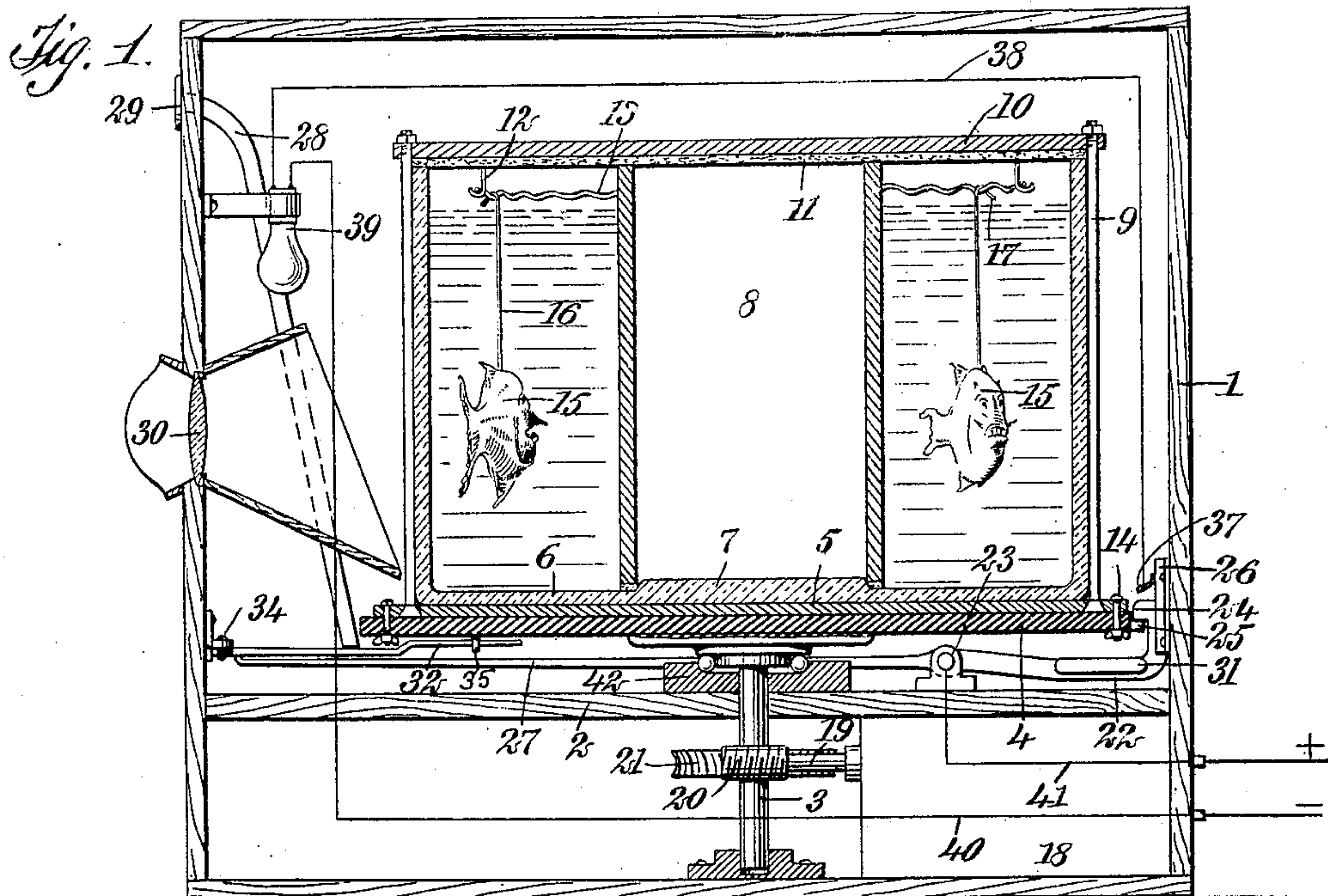


E. W. LIVERMORE.
EXHIBITING DEVICE.
APPLICATION FILED AUG. 5, 1908.

925,209.

Patented June 15, 1909.



WITNESSES
L. Sanford Kenda
F. D. Ammen

INVENTOR
Ephraim W. Livermore
BY *Munroe*
ATTORNEYS

UNITED STATES PATENT OFFICE.

EPHRAIM WILLARD LIVERMORE, OF BELLINGHAM, WASHINGTON.

EXHIBITING DEVICE.

No. 925,209.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed August 5, 1908. Serial No. 447,076.

To all whom it may concern:

Be it known that I, EPHRAIM W. LIVERMORE, a citizen of the United States, and a resident of Bellingham, in the county of Whatcom and State of Washington, have invented a new and Improved Exhibiting Device, of which the following is a full, clear, and exact description.

This invention relates to exhibiting devices.

The object of the invention is to produce a device which is especially adapted for exhibiting fishes. The construction is such that the mounted fish will be presented to the view within a glass jar and under water, so that they resemble closely their natural appearance in life.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a vertical section through a device constructed according to my invention; and Fig. 2 is a plan, certain parts being shown in cross section, the cover of the jar being removed.

Referring more particularly to the parts, 1 represents the box or case for the device, having a false bottom 2 which forms a support and bearing for the vertical shaft 3. Said shaft 3 supports a turntable 4 of insulating material, and on this turntable there is seated a base plate 5. Upon the base plate 5 rests a jar 6 of glass or similar material. This jar is of cylindrical form and is formed with a central boss 7 which is also of circular form. At this boss 7 there is seated a backing cylinder 8, which may be of glass or similar material, but this cylinder is coated on its exterior with some opaque substance so as to form a background against which the fish may be seen.

The jar 6 is held in position by means of a plurality of vertical rods 9, the lower ends of which are attached to the base plate 5. These rods are disposed against the sides of the jar and their upper ends pass through a cover 10 which seats on the upper edge of the jar and the backing cylinder 8. A gasket 11 is placed under the cover, as shown; from the gasket 11 a plurality of hooks 12

depend, and these hooks support a ring 13 formed of wire, which is given a wave form by bending it, as indicated. The base plate 5 is securely attached to the turntable by suitable fastening devices 14, as shown.

The bodies 15 of the fishes which represent fishes of different kinds, are supported respectively by wire stems 16 which are formed into hooks 17 above, and these hooks are hung over the ring 13, as shown. As shown in Fig. 2, I have represented four of these fish, but there may be more of them if the fish are smaller. On account of the waves or bends formed in the ring 13, these fish will tend to stay in any position where they are hung on the ring.

Under the false bottom 2, a motor 18 is provided, said motor having a shaft 19 carrying a worm 20 which engages a worm wheel 21 mounted on the shaft 3. It should be understood that this motor normally tends to rotate the turntable, but the turntable is normally locked against rotation by a check lever 22 mounted on the false bottom in a suitable bracket 23. This lever has a short arm, the end of which is bent upwardly to form a toe 24 which is normally received in a notch 25 formed in the edge of the turntable. This toe 24 is guided in a vertical guide bracket 26 attached to the wall of the case. The check lever 22 is rigidly attached to a rock shaft 22^a mounted in suitable bearing brackets 23. To this rock shaft 22^a a coin lever 27 is rigidly attached, and this coin lever extends toward the front of the case and is disposed directly under a coin chute 28 leading inwardly from a slot 29 in the forward wall of the case, as shown. The arrangement is such that when the proper coin is deposited in the slot 29 its weight will depress the coin lever and raise the toe 24 out of the notch 25. The motor will then begin to rotate the turntable and the toe 24 which projects toward the turntable, as shown, will be supported on the edge of the turntable until the turntable has made one complete revolution; when this occurs the toe 24 drops down again into the notch 25 and locks the turntable against further rotation. With this arrangement the insertion of the proper coin permits all of the fishes in the jar to be brought in succession before the lens 30 in the front wall of the case and through which the observer may see the fish.

In order to insure that the toe 24 will drop down into the notch as suggested, and

lock the turntable against rotation, the lever 22 is provided with a counterweight 31, as indicated. In order to insure that the coin will not remain resting on the lever 27, I 5 provide a sweep 32 which is in the form of a lever pivotally mounted at 34. This lever lies near the upper side of the lever 27 and adjacent to the lower end of the chute. It projects under the turntable and lies in the 10 path of a pin 35 which projects downwardly from the turntable, as shown. A spring 36 attached to the sweep tends to hold it in the position shown. When the turntable begins to rotate the pin 35 strikes the sweep 32 and 15 advances it across the face of the lever 27 so that it will operate to throw off a coin resting thereupon. The spring 36 of course returns the lever to its normal position after the pin has passed.

20 At a suitable point just above the toe 24, I provide a contact plate 37, and to this contact plate a conductor 38 is attached, which leads up to an electric light 39. From this light 39 a conductor 40 leads back to the 25 lighting circuit. A conductor 41 is connected with one of the bearings 23; from this arrangement when the toe 24 is elevated it touches the contact plate 37 and closes the circuit to the electric light 39, the light will 30 then remain lighted until the turntable has made a complete revolution and the toe 24 has descended into its normal position in the notch 25. In order to reduce the friction of rotating the turntable, on the upper side of 35 the false bottom 2 a ball bearing 42 is formed for the shaft 3.

Having thus described my invention, I claim as new and desire to secure by Letters Patent,—

40 1. In a device of the class described, a turntable, a transparent jar mounted on said table, an opaque backing cylinder mounted centrally within said jar, said jar having

means for holding said backing cylinder against lateral displacement, a cover resting 45 on the upper edges of said jar and said backing cylinder, and means for suspending a plurality of exhibited bodies within the wall of said jar.

2. In a device of the class described, in 50 combination, a turntable, a jar mounted upon said turntable, an opaque backing cylinder within said jar, a cover seating on the upper edge of said jar and said cylinder, means for clamping said cover, a ring supported on 55 the under side of said cover, and a plurality of exhibited bodies supported from said ring within said jar and before said backing cylinder.

3. In a device of the class described, in 60 combination, a turntable, a jar mounted thereupon and having a central boss in the bottom thereof, an opaque backing cylinder seating over said boss and held against shift- 65 ing thereby, a cover seating on the upper edges of said jar and said cylinder and having its upper edge projecting beyond said jar, a plurality of clamping bolts disposed around said jar and attached to the project- 70 ing edge of said cover, and means for supporting a plurality of exhibited bodies on the under side of said cover.

4. In an exhibiting device, in combination, a horizontal turntable having a circumferential rim with a notch therein, a lever having 75 a toe adapted to rest on the upper face of said rim and tending to descend by gravity into said notch, and means for raising said member out of engagement with said notch.

In testimony whereof I have signed my 80 name to this specification in the presence of two subscribing witnesses.

EPHRAIM WILLARD LIVERMORE.

Witnesses:

JOHN CLOAK,
CHAS. J. OTT.