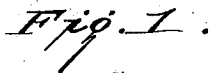
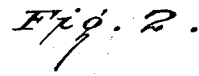


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TOY.

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To all whom it may concern:

Be it known that I, OBERLIN SMITH, citizen of the United States, residing at Bridgeton, in the county of Cumberland and State of New Jersey, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to toys or amusement devices and particularly to moving or animated devices that derive their motion incidentally, as by a driving connection with the rotating turn table of a phonograph, and my object is to provide a device of this description capable of application to a phonograph without any structural alteration of the latter, or more or less permanent connection of the device therewith, which will be simple, capable of being stored compactly when not in use, inexpensive to make, and strikingly attractive. The scope of my invention extends to whatever construction is defined by or is included within the terms or language of the appended claims.

In the drawings:

Fig. 1 is a front view of one embodiment of my invention;

Fig. 2 is a vertical section thereof;

Fig. 3 is a top plan view.

My invention, in the form or embodiment shown in the drawing, and briefly described, comprises a body or member, preferably a disk, which is placed upon the usual central pintle which projects upward from a phonograph turn-table, and by its frictional contact with said turn-table is rotated, and a disk or wheel whose periphery rests in contact with said body or member and thereby receives rotation therefrom as it revolves, means to maintain said disk or wheel in a definite position against tendency to rotate in an orbital path, and comical figures or other objects that are caused to go through motions by the rotation of said wheel on its axis, these figures, or objects, in the embodiment of my invention illustrated in the drawing being loose or free within the chamber or cavity within the wheel and visible therein as the wheel revolves.

Referring with some detail to the embodiment of my invention shown in the drawing, P, designates a pedestal adapted to rest on the top of the turntable, D, concentric therewith having at its center a hole which fits loosely over the usual turntable pintle

or centering pin. From the center of the pedestal rises a tubular or hollow post, *p*, and rotatably fitting therein is the cylindrical lower portion of a standard, S, having a shoulder, *s*, which rests upon the top of the pedestal stem. From the side of the standard, S, projects a horizontal shaft, S', upon which is journaled so as to turn freely, a wheel, W, whose periphery rests in contact with the top of the pedestal, sufficient friction being produced as by the employment of a ring, R, of rubber or the like, on the pedestal, as to cause the revolution of said wheel. The wheel, while free to rotate on its own axis is prevented from revolving in an orbital path concentric with the turntable by preventing rotation of the standard, S, as by connecting it in some way with a stationary part or member of the phonograph. This may be done, for example, by attaching to the standard, S, an arm, A, of sufficient length to reach to some stationary part of the phonograph, for instance, the edge of the hinged cover or top thereof, or the brace that supports such cover when in an open position. Or said arm may rest in contact with the horizontal surface of the phonograph case or cabinet just below the turn-table with enough friction to hold the arm, and hence the standard from turning. Said arm may be a light rod removably inserted in any one of a number of holes, *h*, in the standard, S, the holes being so diversified in location and angle as will cause contact of its free end with some stationary surface or member of the phonograph cabinet. Said arm is adjustable as to length for a like reason and preferably, though not of necessity, it is made of several sections of different lengths that may be joined detachably by a fish rod joint. Thus the sections may be used separately or when combined.

The wheel, W, has a cylindrical cavity or chamber, C, inclosed or circumscribed in an annular flange, F, and having at least one side wall, *w*, that is transparent or permits objects within the chamber to be readily seen while being prevented from falling out of the chamber. Such side wall may be a transparent disk of celluloid preferably detachably secured at its edge to the wheel, as by means of a split spring ring or keeper, K, that seats within a groove in the flange, F, so as to overlap the edge of the disk, *w*. Within the chamber or cavity, C, and free to

readily shift about therein and change their positions are one or more objects, O, preferably, though not necessarily, comical human or animal or other figures, which by the engagement therewith of members or surfaces on the wheel as the latter revolves will be carried along to a greater or less extent with the wheel and by gravity tumble or fall about and cause ridiculous or grotesque positions relative to one another, and, in an everchanging relation or permutation, capable of affording amusement or entertainment. These objects, especially, if human or animal figures, may be weighted at the feet or base so as to tend to remain upright. In the instance shown in the drawings such movement by the wheel is caused by forming radial shoulders, RS, at intervals in the wheel flange, F, by cutting or forming slots or notches therein of a length that will assure against the figures or objects interlocking with the wheel. Preferably the wheel has a hub, H, that projects into the chamber, C, for thereby an obstruction is provided against which the objects, O, strike or fall and thereby variety is given to the effects produced by the revolution of the wheel. The shaft, S', may be a bolt with a head to overlap the wheel hub, and a nut, N. The hub may pass through a hole at the center of the disk or wall, w, and a washer, w', on the hub and confined by a cotter, C', may hold the wall, w, against a shoulder on the hub.

The wheel supporting standard, S, may be readily separated from the pedestal post, p, and said standard-engaging arm may be disconnected so that for shipment or storage the parts may be made to occupy but little space.

It will be seen that the pedestal is at once both the support for the toy upon the rotating disk and the means for imparting motion to the wheel and that notwithstanding this unique dual relation the wheel is maintained in the same position which may be one to exhibit most advantageously the fantastic or ridiculous movements of the objects acted upon by the wheel.

While my device has been produced with special reference to its use with a phonograph and while it has features that are most advantageous in such a use, nevertheless there are features of construction not limited to that particular relation and the meaning or scope of my claims is to be determined in the light of this statement.

What I claim is:

1. A toy comprising a rotatable object moving wheel, a rotatable base from which said wheel derives motion, and a pivotal connection between base and wheel having its axis concentric with the axis of rotation of the base.

2. A toy comprising a rotatable object moving wheel, a rotatable base from which said wheel derives motion, wheel and base being in driving engagement, and a pivotal connection between base and wheel having its axis concentric with the axis of rotation of the base.

3. A toy comprising a rotatable object moving wheel and a rotatable base from which said wheel derives motion, wheel and base being in driving engagement, a pivotal connection between the base and wheel having its axis concentric with the axis of rotation of the base, and means to maintain the wheel in a particular position while rotation by the base continues.

4. A toy comprising a rotatable base, a wheel resting in driving contact with said base, a support for the wheel and a rotatable connection between said support and said base, allowing the base to rotate relative to the wheel.

5. A toy comprising a rotatable base, a wheel resting in driving contact with said base, a support for the wheel, and a rotatable connection between said support and said base, allowing the base to rotate relative to the wheel, said wheel having an object-containing chamber whose interior is visible from the outside, and an object or objects loose in such chamber and free to slide about therein as the wheel revolves.

6. A toy comprising a rotating wheel having a chamber visible from the outside, a rotatable base from which the wheel derives motion, an object, or objects, loose in such chamber, and means in the chamber on the wheel to obstruct movement of the object or objects.

7. A toy having a rotating wheel provided with a chamber, a rotatable base from which the wheel derives motion, an object, or objects, loose in such chamber, and object-engaging projections carried by the wheel.

In testimony whereof I hereunto affix my signature.

OBERLIN SMITH.