March 17, 1925. 1,529,976

H. S. WEST

FIGURE TOY

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Fig. 1.

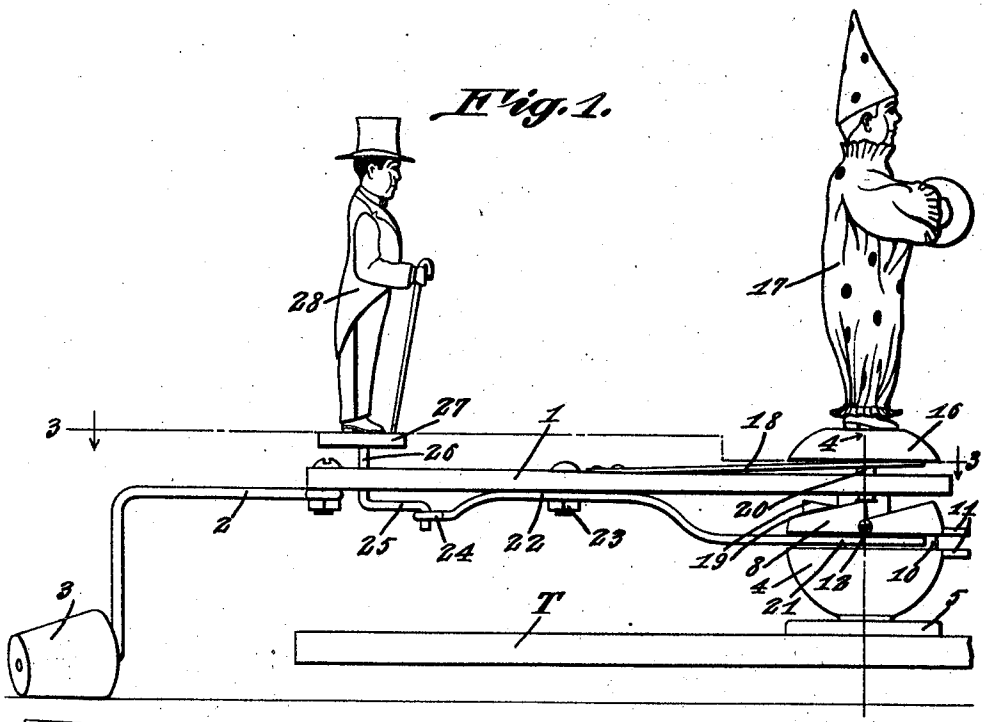
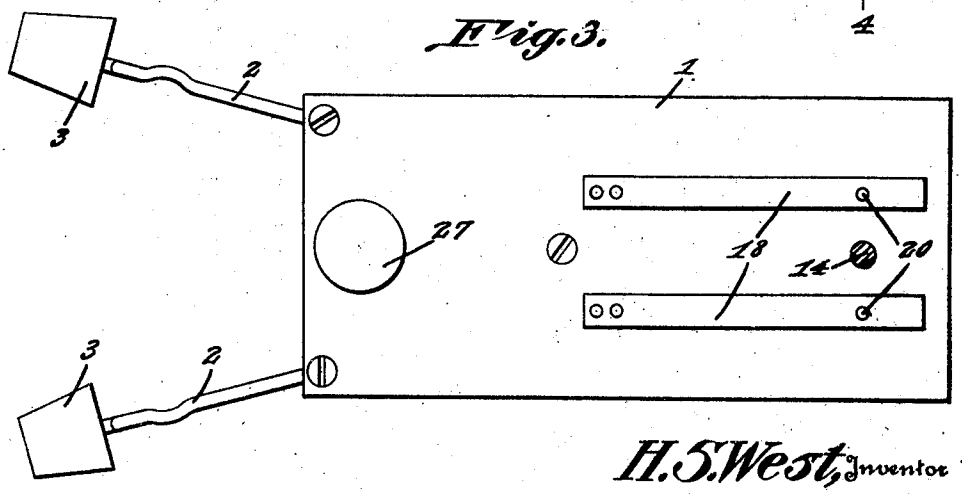


Fig. 3.



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FIGURE TOY

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Fig. 2.

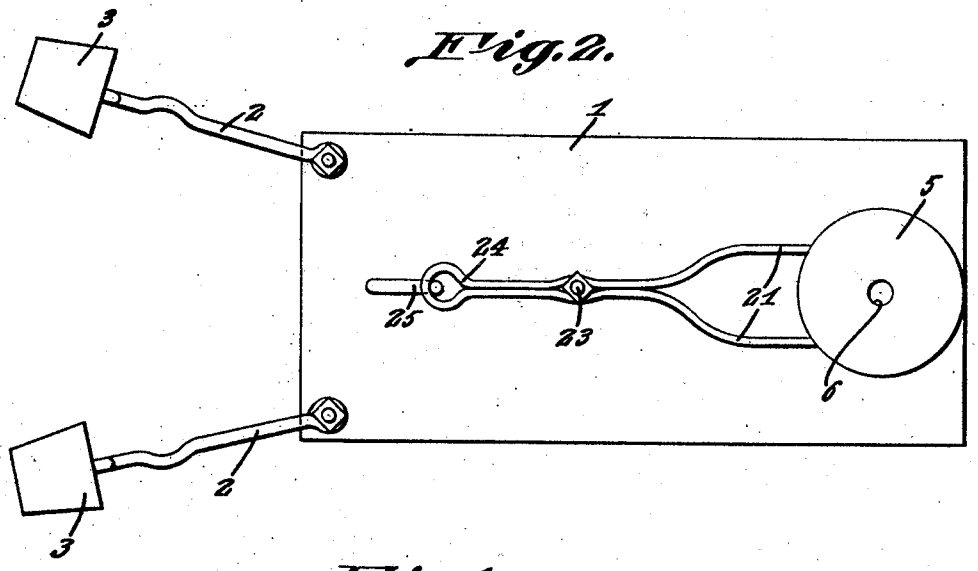


Fig. 4.

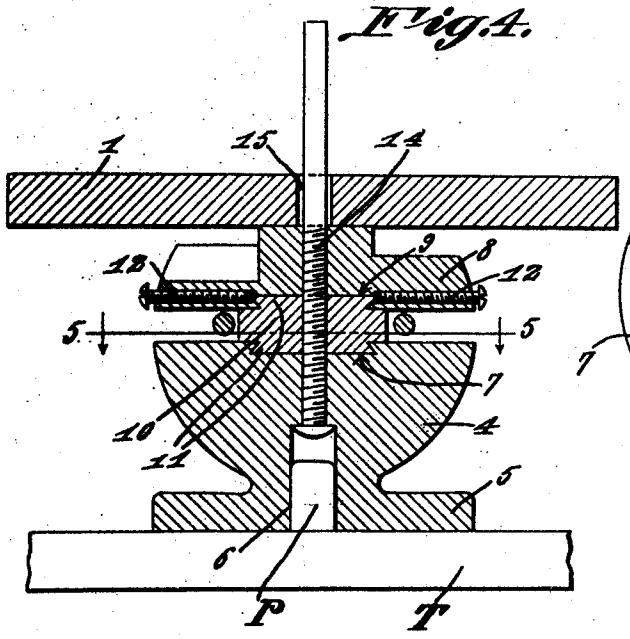
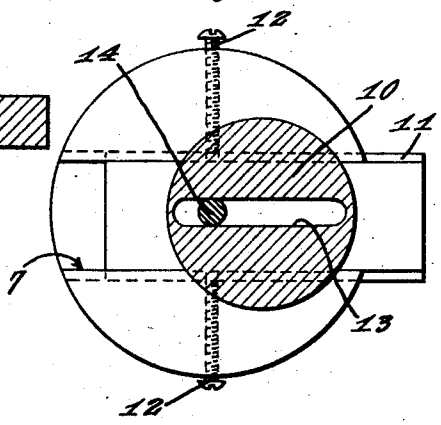


Fig. 5.



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UNITED STATES PATENT OFFICE.

HARVE S. WEST, OF LOUISVILLE, KENTUCKY.

FIGURE TOY.

Application filed August 8, 1922, Serial No. 580,474. Renewed February 10, 1925.

To all whom it may concern:

Be it known that I, HARVE S. WEST, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Figure Toy, of which the following is a specification.

This invention relates to a toy designed primarily to be used in conjunction with the turn-table of a phonograph, whereby the rotation of said table will result in the actuation of figures, grotesque or otherwise, so as to afford amusements to persons watching the action of the toy.

Another object is to provide a structure of this character which can be quickly placed in or removed from position and which will operate to produce different motions so as to simulate dancing, jumping etc.

Another object is to provide a toy which is simple and inexpensive in construction.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

In the accompanying drawings the preferred form of the invention has been shown.

In said drawings

Figure 1 is a side elevation of the toy in position on the table of a phonograph.

Figure 2 is a bottom plan view.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is an enlarged section on line 4—4 of Figure 1.

Figure 5 is a section on the line 5—5 of Figure 4.

Referring to the drawings by characters of reference, 1 designates the body of the toy the same being preferably formed of a strip of wood, metal or the like, having angular legs 2 formed of wire or other suitable material pivotally connected to the corner portions at one end.

The lower free ends of these legs are provided with feet 3 which can be corks or other similar devices adapted to rest on the top of a phonograph structure at points adjacent the rotating table T of the phonograph.

Arranged under the body 1 adjacent that end thereof remote from the legs 2 is a substantially semi-spherical base 4 having a flange 5 at its lower end adapted to rest on the central portion of the table T there being a recess 6 within this base for receiving the centering pin P of the phonograph. The upper face of the base 4 is flat and is intersected by a diametrically disposed dove-tail groove 7.

A top member 8 is mounted above the base 4 and has a flat lower face intersected by a diametrically disposed dove-tail groove 9. A block 10 is interposed between the base 4 and the top member 8 and has a dove-tail 11 mounted to slide within the grooves 7 and 9 respectively. Set screws 12 are extended transversely into the top member 8 and are adapted to bind upon the upper dove-tail of the block 10.

Block 10 is circular and has a diametrical slot 13 through which extends a connecting bolt 14 seated within the base 4 and extending through the center of the top member 8. This bolt passes upwardly through an opening 15 in the body 1. Loosely mounted on the upper end of this bolt is a disk 16 on which is mounted a doll or other figure 17. Leaf springs 18 are secured at one end to the body 1 and their free ends extend under and support the disk 16.

The upper face of the top member 8 is formed with teeth or serrations 19 shown particularly in Figure 1 and slidably mounted in the body 1 are pins 20 which are adapted to be successively engaged by the teeth 19. These pins are secured at their upper ends to the respective springs 18.

The block 10 constitutes an eccentric and its degree of eccentricity can be varied by loosening the bolt 14 and the set screws 12 and shifting block radially relative to the base 4 and top member 8. This eccentric block is straddled by the forked end 21 of a lever 22 arranged under the body 1 and pivotally connected thereto as shown at 23. This lever has an eye 24 at one end loosely engaging a crank arm 25 formed at the lower end of a pin 26 extending through and adapted to rotate in the body 1.

The upper end of the crank 26 is secured to a disk 27 on which is fastened a figure 28.

When it is desired to apply this device to

a phonograph or other operating element, the same is placed in position illustrated in Figure 1 so that the seat 3 will rest on a supporting surface while the flange 5 of base 4 will rest on the rotating member T. Thus base 4 will be rotated and the teeth 19 will be moved successively under the pins 20 so as to raise them against the action of the springs 18 and then release them. This will result in the rapid jogging or up-and-down movement of disk 16 and as the springs 18 push upwardly from the disk 16 at points off-center, it will be found in practice that this movement will result in a slow rotation of the disk 16 and the figure thereon, this rotation being further facilitated by the frictional engagement of the rotating bolt 14 with the opening in the disk 16. As the figures are thus being actuated the lever 22 is being oscillated by the eccentric 10 and the pin 26 and disk 27 are likewise oscillated so as to impart a back-and-forth rotation to the figure 28.

While the apparatus is designed primarily to be actuated by the rotating table of a phonograph it is to be understood that it can be set in motion by any other suitable means.

What is claimed is:—

1. The combination with a body and means for supporting one end thereof, of a base for engagement and rotation with a phonograph record or table, said body being supported at one end on the base, teeth upon the base and rotatable therewith under the body, a disk mounted for free rotation above the body, a spring yieldingly supporting the disk and bearing at one end thereagainst, a pin extending from the spring and loosely through the body for successive engagement by the teeth, said teeth and spring cooperating to successively press the spring against and release it from the disk to impart an intermittent rotation to the disk relative to the body.

2. The combination with a body and means for supporting the same at one end, of a base rotatably mounted relative to the other end of the body for engagement and rotation with the center portion of a phonograph table or record, an annular series of teeth upon the base, a figure carrying disk mounted for up and down and rotary motion relative to the body, spaced springs secured to the body and bearing at their free ends against the disk, pins depending from the springs and into the path of the teeth, said teeth and pins cooperating to impart a simultaneous jogging and rotary motion to the disk.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

HARVE S. WEST.

Witnesses:
EARL L. BAUMGARTEL,
PHILIP M. BAILEY.