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TOY SPINNING TOP.
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Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

WITNESSES

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JOSEPH POPPER, OF BROOKLYN, NEW YORK, ASSIGNEE, BY DIRECT AND MESNE ASSIGNMENTS, OF ONE-HALF TO BAILD-DANIELS CO., INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK, AND ONE-HALF TO RUBY H. POPPER, OF BROOKLYN, NEW YORK.

TOY SPINNING-TOP.

1,401,813.


To all whom it may concern:

Be it known that I, Joseph Popper, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented a new and improved Toy Spinning-Top, of which the following is a full, clear, and exact description.

This invention relates to toys and particularly to an improved spinning top and has for an object to provide an improved construction in which a top body is provided and associated with means indicating a ball structure in action with an ornamentation therein.

Another object of the invention is to provide a spinning top in which removable ornaments or characters may be provided and cause to move in a certain proportion to the movement of the top.

A still further object of the invention is to provide a toy spinning top in which a handle is provided and a removable figure, the parts being so arranged that when the top is in motion, the handle will appear substantially as a transparent ball and the figure will appear to move.

In the accompanying drawings—

Figure 1 is a perspective view of the top disclosing an embodiment of the invention.

Fig. 2 is a vertical sectional view through Fig. 1.

Fig. 3 is a plan view of an ornamentation embodying certain features of the invention.

Fig. 4 is a plan view of a different form of ornamentation from that shown in Fig. 3.

Referring to the accompanying drawing by numerals 1 indicates a top body which is preferably made from sheet metal and painted or otherwise ornamented to give a pleasing appearance. Preferably, the body 1 is not perfectly circular but is divided into sections 2 and 3 which produce pleasing effects when the body is properly ornamented. These sections are in the form of reflectors and each section may have its surface formed as a polygon in order to produce better reflecting action. A tube 4 is rigidly secured to the center of the body 1 by solder or any other suitable means, which center is reinforced by plates 5 and 6. The tube 4 extends preferably an appreciable distance beyond the body 1 and is provided with a shaft 12 loosely fitting therein, said shaft having a pointed end 9 adapted to rest on the support when the top is in use and a turn-over end 15 for clamping the washer 8 in place. The shaft 12 is provided with a shoulder for receiving the handle 13 and said handle is held in place by the washer 8 as illustrated in Fig. 2 whereby the parts act as an integral construction. In addition the shaft 12 is provided with a bore adjacent the end carrying the washer 8 for receiving the shaft 16. It will be noted that the handle 13 is a looped piece of sheet metal and is provided with an aperture at the opposite side to which it is connected with the shaft 12 so that the shaft 16 may be easily inserted and removed at any time. This shaft or standard 16 carries a plate 17 which may have a single flag 18 arranged thereon, a double flag 19 or figures 20 and 21. It will be noted that figure 20 shows a horse in one position when running and figure 21 shows the same horse in a different position. The shaft or standard 16 is merely held in place by friction and is, consequently, moved with handle 13 to a certain extent. However, the plate 17 striking the air will naturally regard the rotation of the shaft 16, and, consequently, the handle 13 will rotate much faster than the plate 17 but said plate will rotate sufficiently fast to give the appearance of figures 20 and 21 that of the moving or running horse. Other animals could be substituted without departing from the spirit of the invention. Also, it will be evident that other forms of ornamentation or moving figures could be provided on the plate 17 or connected with shaft 18.

In operation when the parts are arranged as shown in Figs. 1 and 2 and it is desired to spin the top, a suitable cord is wound around the tube 4 and the point 9 placed on a support while the handle 13 is grasped by one hand. The handle 13 is held stationary while the cord is being pulled. A rather quick pull on the cord will cause the body 1 to spin rapidly and as soon as this has been done the handle 13 is released whereupon it will begin to rotate by reason of the friction of the various parts and will cause
the shaft 16 to rotate, though at a much slower speed. This will give the desired appearance of movement of the horse or other object on plate 17. Preferably the handle 13 is made from some bright metal and when rotating at approximate the speed of the body 1 it will give somewhat the appearance of a transparent ball which adds to the effect of the figure on plate 17 as it causes said figure to appear to be running in a ball.

What I claim is:

1. A toy spinning top comprising a body, a hollow support connected with said body provided with a supporting point, a handle provided with an extension engaging said support, said handle having an aperture adjacent the top and adjacent the bottom, a shaft loosely positioned in said apertures and a plate rigidly secured to said shaft applied with a configuration thereon whereby when the top is spinning the plate and shaft will be rotated through the action of friction and the various parts of said plate will be spun around at a speed slower than the handle.

2. A spinning top comprising a body having a hollow support, a handle provided with a pin adapted to extend through said support and be rotated thereby through the action of friction, said handle being formed as a loop with an opening at the top and an opening at the bottom, a shaft loosely mounted in said openings, a plate rigidly secured to said shaft, said plate being provided with the figure of an animal on each side, said figures being in different positions so that as the plate is rotated with said shaft the animal will appear to be moving.

3. A toy spinning top comprising a substantially disk-shaped body, a tube extending from the center of said body and rigidly secured to the body, a pin loosely mounted in said tube and projecting therefrom at each end, a handle formed as a loop rigidly secured to said pin at one end thereof, said pin being formed with a longitudinal bore at the end to which the handle is secured, an ornamented plate having a journal pin loosely supported in said bore and rotated by the friction between the said journal pin and the first mentioned pin.

4. A toy spinning top comprising a body, a tube extending through the center of the body and projecting on both sides thereof, a pin loosely mounted in said tube and projecting therefrom at each end, said pin having a bore in one end, a looped handle rigidly secured to said pin at the end carrying said bore and a plate having a journal pin loosely mounted in said bore, said plate having representations of objects on opposite faces in different positions, said positions being arranged so that as the plate rotates the objects will simulate movement.

5. In a toy spinning top a body, means loosely carried by said body including a looped handle and a pin, said looped handle having an aperture and said pin having a bore opposite said aperture, a pin loosely mounted in said aperture and in said bore and a plate ornamented on both sides rigidly secured to said pin, said ornamentation consisting of representations of objects in different positions, said positions being arranged so that as the plate rotates with the pin the objects will simulate movement.

JOSEPH POPPER.