No. 815,591. PATENTED MAR. 20, 1906.

E. T. JONES.

SPINNING TOP.

APPLICATION FILED DEC. 5, 1905.

Fig 1.

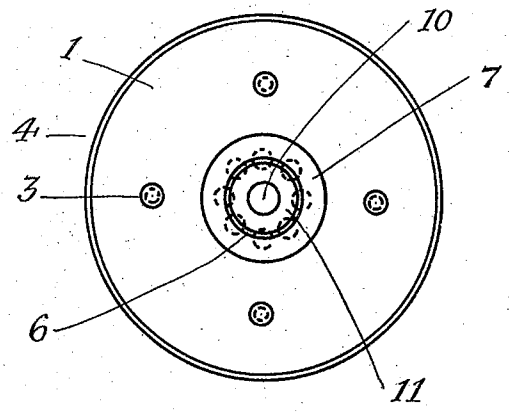
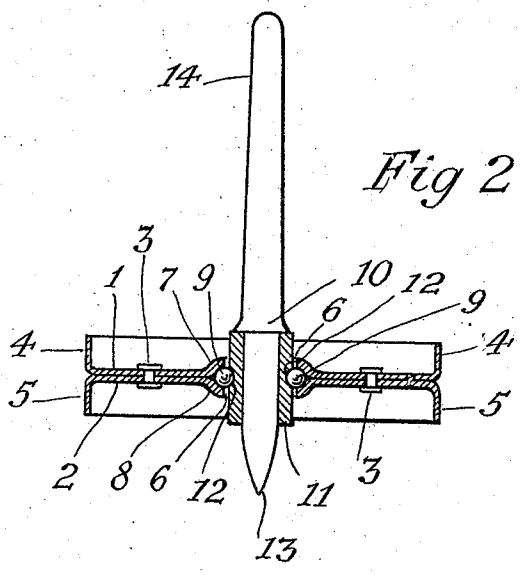



Fig 2




Witnesses;
Theo. Lagaard.
H. A. Bowman.

Inventor;
Edward T. Jones.
By P. H. Gunckel
his Attorney.

# UNITED STATES PATENT OFFICE.

EDWARD T. JONES, OF MINNEAPOLIS, MINNESOTA.

## SPINNING-TOP.

No. 815,591. Specification of Letters Patent. Patented March 20, 1906.

Application filed December 5, 1905. Serial No. 290,377.

*To all whom it may concern:*

Be it known that I, EDWARD T. JONES, a citizen of the United States, residing at Minneapolis, county of Hennepin, and State of Minnesota, have invented certain new and useful Improvements in Spinning-Tops, of which the following is a specification.

My invention relates to toys, and particularly to the kind known as "spinning-tops;" and its object is to so improve the construction that the body of the top may be rotated freely on its axis to enable the toy to be easily operated by a child. The improved top comprises a wheel-shaped body, a spindle on which it may rotate, and ball-bearings to lessen the friction of such rotation.

My improvements are illustrated in the accompanying drawings, in which—

Figure 1 is a plan view, and Fig. 2 a vertical sectional view, of a spinning-top embodying my improvements.

The body of the top is preferably composed of corresponding upper and lower disks 1 and 2, united by rivets 3 or otherwise and having opposite flanges 4 and 5 at right angles to their bodies. Around the axial openings 6 the disk-margins are flared in opposite directions to form, respectively, upper and lower members 7 and 8 of a ball-race for containing small balls 9.

The spindle 10 is secured to a sleeve 11 in the central opening 6, and the sleeve has a circumferential groove 12, which forms a portion of the ball-race, permitting the wheel to turn freely on the sleeve and at the same time preventing its movement in axial direction. The spindle has a suitable point 13 a short distance below the wheel and a relatively long handle 14 for holding it while the wheel or body is set in motion preliminary to spinning the top. This construction enables a child to hold the top by the handle and to set the wheel in motion on the spindle by rolling it rapidly over a surface—a table or floor, for instance—and then to set the top on its point and cause it to spin.

Obviously by grooving the periphery of the wheel a string may be used in the well-known way for setting the wheel in motion.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A spinning-top, comprising a wheel-like body, a spindle, and a ball-race and balls connecting the body to the spindle.

2. A spinning-top, comprising a body formed of upper and lower disks secured together and oppositely flanged to form outer rims and oppositely flared around an axial opening to form a ball-race, balls in such race, and a spindle rotatably secured in place by the balls.

3. A spinning-top, comprising a body formed of upper and lower disks secured together, a ball-race formed around an axial opening, balls therein, and a spindle provided with a groove in which the balls engage, whereby the spindle is secured in place and the body permitted to rotate thereon.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 23d day of November, 1905.

EDWARD T. JONES.

Witnesses:
P. H. GUNCKEL,
H. A. BOWMAN.