No. 821,341. PATENTED MAY 22, 1906.

H. O. COSTELLO.

SPINNING TOP.

APPLICATION FILED FEB. 7, 1906.

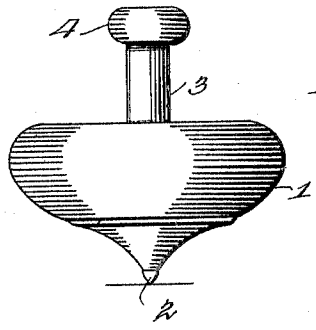


Fig. 1.

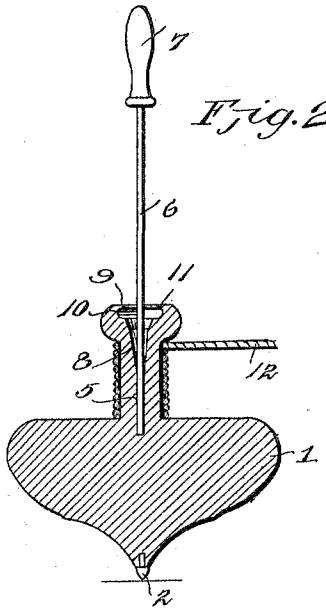


Fig. 2.

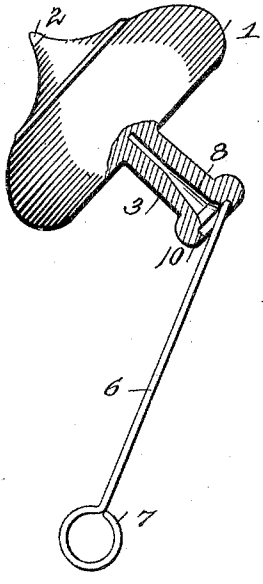


Fig. 3.

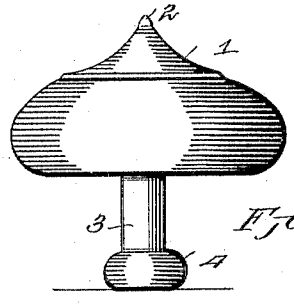


Fig. 5.

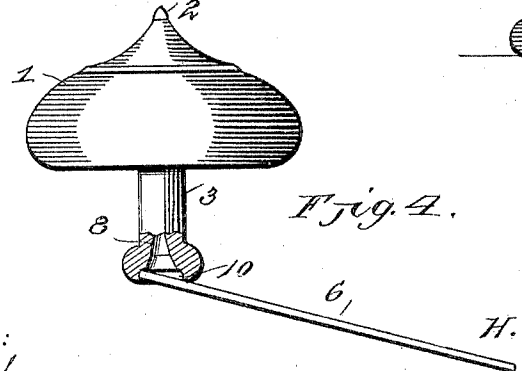


Fig. 4.

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SPINNING-TOP.

No. 821,341. Specification of Letters Patent. Patented May 22, 1906.

Application filed February 7, 1906. Serial No. 299,964.

To all whom it may concern:

Be it known that I, HENRY O. COSTELLO, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Spinning-Tops, of which the following is a specification.

This invention relates to spinning-tops, the object of the invention being to provide a simple, cheap, and entertaining spinning-top which may be manipulated by any one and which by means of the construction hereinafter described is adapted to be spun either upon the point or head thereof or upon a holder in the form of a rod or wire, the said top being adapted to assume various angles with relation to the holder, all as hereinafter explained.

With the above and other objects in view the invention consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a side elevation of a top constructed in accordance with the present invention. Fig. 2 is a vertical diametrical section through the same, showing the holder and spinning string or cord. Figs. 3 and 4 illustrate different positions that the top may be made to assume while spinning. Fig. 5 shows the top inverted to spin upon the head thereof.

The body 1 of the top is shown as solid and of substantially conical form, although it will be understood that any desired shape may be given to the top and the same may be made either hollow or solid in cross-section. The top is provided with a metallic spinning-point 2 and is also provided with an upstanding neck or stem 3, provided with a top with an enlarged head 4. The neck or stem 3 is bored to form a straight socket or opening 5 for the reception of the extremity of a holder 6, consisting of a suitable length of wire or a piece of rod preferably provided at its opposite end with a handle 7. While the inner portion of the socket 5 is straight and of a size adapted to have the holder 6 fit loosely therein, so that the top may spin around the holder, the outer portion of said socket is flared, as shown at 8, and any desired angle or degree of flare may be imparted to the said outer portion of the socket 5. The head 4 is provided with an enlarged mouth or opening 9, and just within said mouth the head is provided with an annular groove 10, adapted to receive the extremity of the holder 6 in the manner illustrated in Figs. 3 and 4, said groove forming an annular retainer-lip 11, which during the spinning of the top obtains a hold on the extremity of the holder 6 and prevents the accidental displacement of the top. The neck 3 is adapted to receive the spinning string or cord 12, which may be wound thereon after the manner of an ordinary top.

In spinning the top the parts may be held in the relation shown in Fig. 2, with the point 2 resting on a table, floor, or other suitable support and the holder inserted in the neck of the top, or the parts may be inverted from the position shown in Fig. 2, so that the top will be supported upon the upper end of the holder 6. By pulling the cord or string 12 rapid rotary motion is imparted to the top, which may be allowed to spin on the floor or table or other horizontal surface or upon the holder 6. In spinning the top upon the holder 6 as a support the said holder may be inclined until the top rides upward thereon, which is permitted by the flare of the outer portion of the socket 5. This may be continued until the extremity of the holder 6 enters the groove 10 in the head of the top, whereupon the top will continue to spin, as shown in Fig. 3. The holder 6 may be lowered to an almost horizontal position, as shown in Fig. 4, and the top will continue to spin upon the holder as long as the extremity of the holder remains in the groove 10. By the means described various angles may be assumed between the top and the holder, thus adding to the amusement of the operator and spectators.

I claim—

1. A spinning-top provided with a holder-socket having a straight inner portion and a flaring outer portion, and further provided with an annular groove within the flared outer portion of the socket.

2. A spinning-top provided with a holder-socket having a straight inner portion, a flaring outer portion, and an annular retainer-lip adjacent to the entrance to said flaring portion of the socket.

3. A spinning-top comprising a body, an upstanding neck provided with a holder-socket having a straight inner portion and a flaring outer portion or throat leading to the straight inner portion, and a head at the upper end of the neck having an annular groove or recess communicating with the flared portion of the socket

4. A spinning-top provided with a holder-socket having a straight inner portion and a flared outer portion communicating with the inner portion and embodying an internal annular retainer-lip, and a holder consisting of a rod or wire, one end of which is insertible in said socket.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY O. COSTELLO.

Witnesses:
WILLIAM F. COSTELLO,
JOHN F. DYER.