

C. E. COE.
SPINNING TOP.
APPLICATION FILED JUNE 24, 1911.

1,003,985.

Patented Sept. 26, 1911

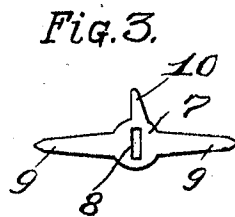
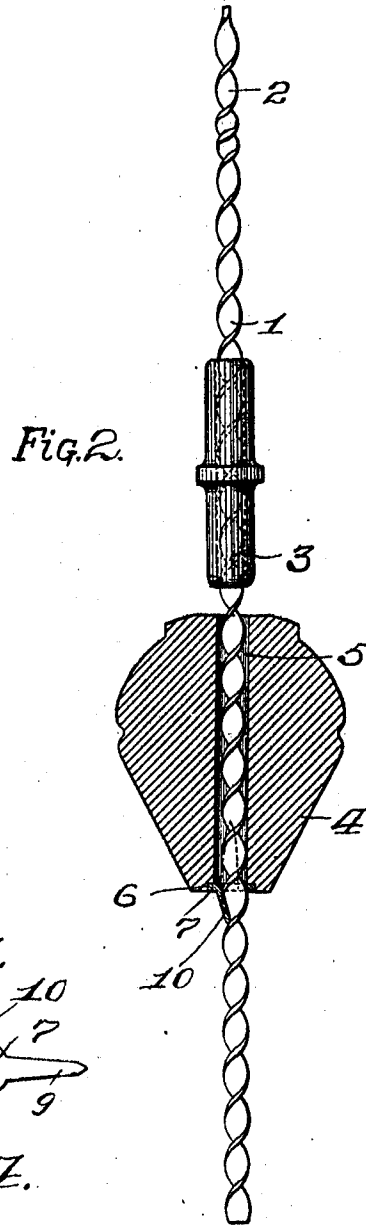
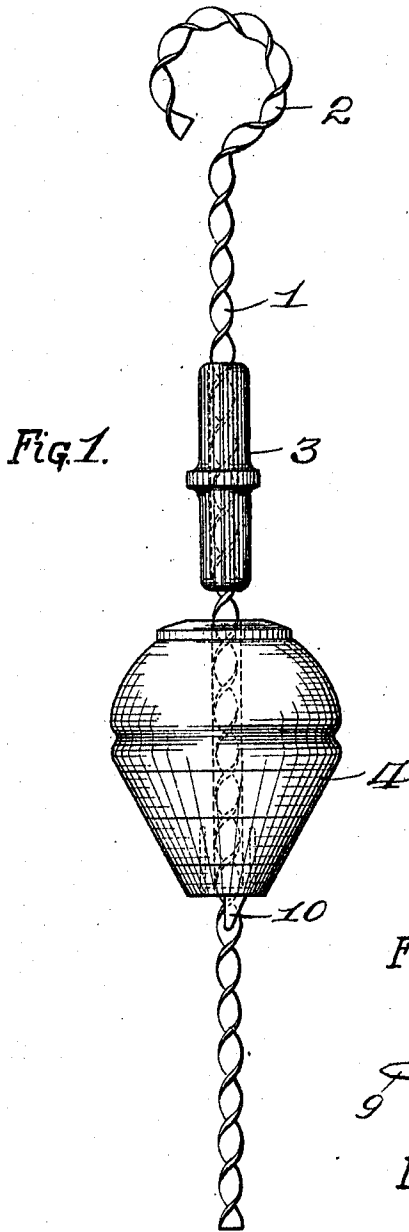


Fig. 4.



Attest:

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CHARLES E. COE, OF ST. LOUIS, MISSOURI, ASSIGNOR OF ONE-HALF TO EDGAR B. BICKER, OF ST. LOUIS, MISSOURI.

SPINNING-TOP.

1,003,985.

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To all whom it may concern:

Be it known that I, CHARLES E. COE, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Spinning-Tops, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

10 My invention relates to improvements in spinning tops, and the object of my invention is to construct a toy spinning top with an improved, simple and inexpensive means whereby the top may be spun without the
15 employment of a string or cord.

With the above purposes in view my invention consists in certain novel features of construction and arrangement of parts as will be hereinafter more fully described,
20 pointed out in the claims and illustrated by the accompanying drawings, in which—

Figure 1 is an elevation of the complete toy; Fig. 2 is an elevation showing the top proper in section and the spinning device at a right angle relative the position shown in
25 Fig. 1; Fig. 3 is a plan of the blank from which the spinning point is formed; and Fig. 4 is an edge view of the spinning point in a formed condition.

30 Referring by numerals to the accompanying drawings: 1 designates the spinning rod which is formed from a metallic strip, oblong in cross section and preferably rectangular, the rod being twisted throughout its
35 length to form helices of a uniform pitch throughout the length of the rod. The rod, has at one of its ends a loop or handle 2 which is formed by turning the end of the twisted rod.

40 3 designates a sleeve which is longitudinally bored so that it may be moved freely over the rod 1.

4 designates the top which has formed vertically through its body portion a bore 5, the diameter of which is slightly larger than
45 the greatest cross sectional dimension of the rod 1. In the bottom surface of the top there is a countersink 6 which is concentric with the bore 5.

50 7 designates the disk shaped body portion of the spinning point having a rectangular opening 8 therein, the transverse dimension of which opening is greater than the transverse dimension of the rod 1.
55 Formed integral with the disk shaped body

portion 7 are the marginal extensions forming the spurs 9.

10 designates the spinning point proper which is an integral marginal extension of the disk shaped body portion. The spurs 9
60 are formed at right angle relative the disk shaped body portion 7 and the spinning point 10 is bent at such angle relative the body portion that the center of its extremity vertically aligns with the center of the opening
65 8. To apply the spinning point to the top the spurs 9 are forced into the body of the top as shown by dotted lines in Figs. 1 and 2, the disk shaped body portion occupying the countersink 6 and the spinning point
70 10 having its extremity positioned directly beneath the vertical center of the body of the top.

When the top is applied upon the rod 1 the body of the top is held at a slight angle
75 due to the position of the spinning point 10, directly in line with the vertical center of the top, and the thickness of the rod 1. For example, I will assume that the gage of the material used in the formation of the rod
80 1 is one sixteenth of an inch and the width of the opening 8 three thirty seconds of an inch, thus it will be seen that the point 10 may travel freely upon the rod 1, but when released from the rod by reason of its being
85 positioned centrally of the body of the top will cause the top to spin true.

In operation the spinning of the top is accomplished, after the parts are assembled as shown in Figs. 1 and 2, by the rapid
90 movement of the sleeve 3 which impinges against the body of the top and drives it lengthwise of the rod 1, the spinning of the top being accomplished by the disk 7 which is rectangularly slotted as at 8 in the draw-
95 ing.

I claim:

1. In a spinning top, the combination with a twisted rod whose cross section is oblong and a sleeve having an opening there-
100 through arranged for movement lengthwise of the rod, of a top centrally bored for movement over the rod, a metallic member having an integral spinning point secured to the top, there being an opening through the
105 member to embrace the rod.

2. In a spinning top, the combination with a twisted rod whose cross section is oblong and a member arranged for free movement lengthwise of the rod, of a top having a
110

central bore therethrough, and a metallic member having an opening therethrough shaped to conform with the cross section of the rod the transverse dimension of the opening being greater than the transverse dimension of the rod, an integral point carried by said member the extremity of which occupies a position alining with the vertical center of the top.

3. In a spinning top, the combination with a twisted rod whose cross section is oblong and a member arranged for free movement lengthwise of the rod, of a top having a central bore therethrough, and a metallic member having an opening therethrough shaped

to conform with the cross section of the rod the transverse dimension of the opening being greater than the transverse dimension of the rod, an integral point carried by said member the extremity of which occupies a position alining with the vertical center of the top, and spurs carried by said member whereby it may be secured to the top.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

CHARLES E. COE.

Witnesses:

E. L. WALLACE,
J. R. FRAME.