

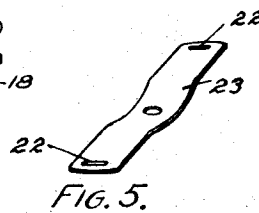
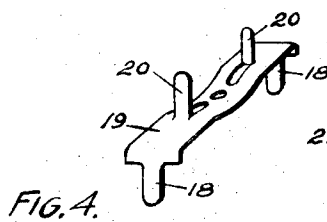
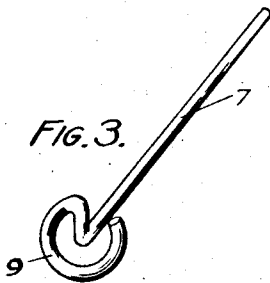
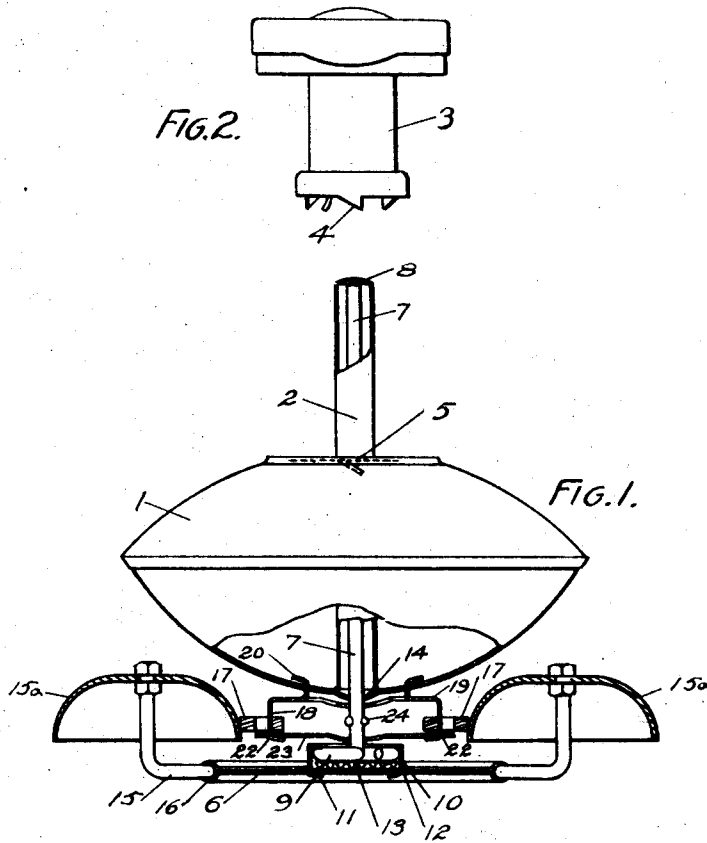
May 1, 1928.

S. L. CONNELL

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TOP

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UNITED STATES PATENT OFFICE.

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TOP.

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This invention is designed to improve the type of tops in which the spinning member has some part, or element, engaging some instrument to make the top more attractive.

5 In the specific form shown the spinning of the top operates to sound bells. With such tops considerable difficulty has been experienced in permitting the top to find its balance and in associating and assembling
10 the parts. The present invention provides for a convenient assembly, provides a perfectly balanced spinning operation and also an efficient but cheap construction. Features and details of the invention will appear from the specification and claims.

The invention is illustrated in the accompanying drawings as follows:—

Fig. 1 shows an elevation of the top, partly in section.

20 Fig. 2 a view of a detached spinning handle.

Fig. 3 a detached view of the post on which the top is mounted.

Fig. 4 a view of the tappet securing plate.

25 Fig. 5 a plan view of a companion securing plate.

1 marks the top body and 2 a top stem. These are ordinarily made of sheet metal, the stem and body being hollow. 3 marks the ordinary spring actuating spinning handle with the ratchet teeth 4 adapted to engage detents 5 (see dotted lines Fig. 1). 6 forms the base or mounting of the top. A post 7 extends upwardly from this base and
35 has a bearing support 8 at its upper end on which the upper end of the stem 2 rests. The top is, therefore, suspended from this point and spins on this bearing. The post is formed of a piece of wire having a foot 9 bent at the bottom of the wire and this foot is arranged in a cap 10, the cap 10 being secured to the base 6 by means of projecting lugs 11 extending through perforations 12 in the base. A corrugated
45 paper cushion pad 13 is arranged in the cap of the foot and gives to the post a yielding mounting so that it can sway slightly as the top spins, the purpose of which is to permit the top to find its balance. The body has an opening 14 slightly larger than the post 7 so as to permit the top body to swing relatively to the post on the pivot bearing 8 also assisting the top in finding its balance. Without these yielding possibilities the top vibrates and does not spin

smoothly. With this yielding post and the limited freedom to find its equilibrium the top spins smoothly and thus gives satisfactory results.

A wire 15 is secured in a beaded edge 16 60 on the base 6 and extends upwardly from the base. Bells 15^a are secured on the wires 15 and are in position to be contacted by tappets 17. The tappet is secured on a tongue 18 extending from a tappet securing
65 plate 19, the plate 19 having lugs 20 extending through the body of the top to secure the plate to the top body. The tongues 18 have lugs extending through openings 22 in a plate 23 arranged on the post 7. Shoulders 24 are formed on the post between the plates 19 and 23.

In assembling the device the plate 19 is secured to the body of the top. The plate 23 is threaded on to the post 20 before the
75 shoulders 24 are formed and thus the base assembly is completed and the top assembly is completed. The two parts are put together with the tappets in place and the tongues extending through the perforations
80 22 are headed over securing the plates together and at the same time providing means preventing the disengagement of the top body from the post.

In spinning the top it is simply allowed 85 to set on its base. The spinning handle is wound up and the spring released driving the top under the spring tension. At the completion of the spinning action the top disengages from the handle and continues to
90 spin, sounding the bells.

What I claim as new is:—

1. In a top, the combination of a non-rotative post; a body mounted on the post and having a bearing support on the top of the
95 post; and a yielding mounting for the post.

2. In a top, the combination of a non-rotative post; a body mounted on the post and having a bearing support on the top of the post, the top having a limited swiveling movement on the post; and a yielding mounting
100 for the post.

3. In a top, the combination of a non-rotative post; a body mounted on the post and having a bearing support on the top of the
105 post; and a mounting for the post comprising a base, a foot formed on the post, and a cap extending over the foot secured to the base and securing the foot on the base.

4. In a top, the combination of a non-ro- 110

tative post; a body mounted on the post and having a bearing support on the top of the post; and a yielding mounting for the post comprising a base, a foot on the post, a cap on the foot secured to the base, and a cushioned pad in the cap with the foot.

5 5. In a top, the combination of a non-rotative post; a body mounted on the post and having a bearing support on the top of the post; and a yielding mounting for the post
10 comprising a base, a foot on the post, a cap on the foot secured to the base, and a cushioned pad of corrugated paper in the cap with the foot.

15 6. In a top, the combination of a non-rotative post; a body mounted on the post and having a bearing support on the top of the post; a mounting for the post; bells carried by the mounting; a plate locked with the
20 body; a plate secured on the post; tappets for engaging the bells; and means securing the plates together with the tappets between them.

7. In a top, the combination of a top body having a hollow stem with a bearing at the
25 upper end of the stem; a post extending through the body and stem and having a bearing support at the top of the post; a foot formed in the bottom of the post; a base on which the foot rests; a cap extending over
30 the foot and secured to the base; bells mounted on the base; a securing plate secured to the body; tappets mounted on the securing plate; a locking plate mounted on the post to which the securing plate is secured; and a
35 shoulder on the post between said plates.

8. In a top, the combination of a sheet metal base; circumferential wires crimped in the edge of the base and having a projection; a bell secured to the projection; a post
40 extending upwardly from the base; a top mounted on the post; and bell tappets carried by the top.

In testimony whereof I have hereunto set my hand.

STANLEY L. CONNELL.