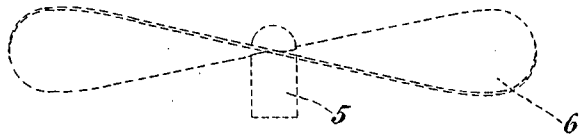
P. JOFFE.

TOY PROPELLER TOP.

APPLICATION FILED OCT. 9, 1918.

1,292,793. Patented Jan. 28, 1919.



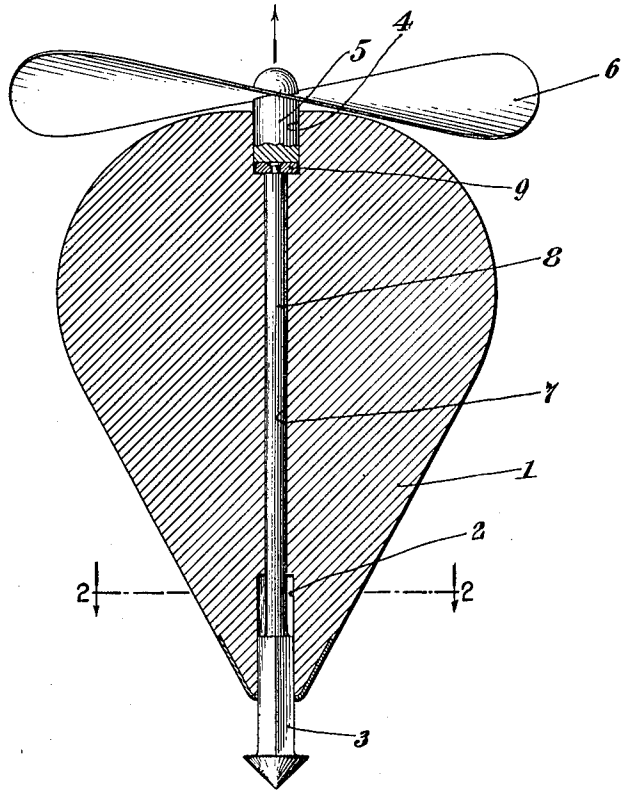
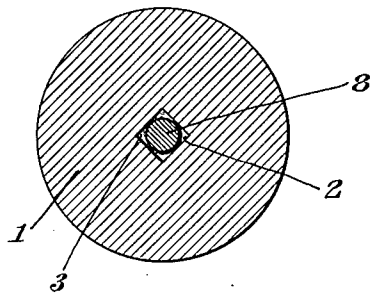


Fig. 1.

Fig. 2



Inventor

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UNITED STATES PATENT OFFICE.

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TOY PROPELLER-TOP.

1,292,793. Specification of Letters Patent. Patented Jan. 28, 1919.

Application filed October 9, 1918. Serial No. 257,430.

To all whom it may concern:

Be it known that I, PHILIP JOFFE, of New York, in the county of New York, and in the State of New York, have invented a certain new and useful Improvement in Toy Propeller-Tops, and do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to a toy propeller-top and has for its object to combine a spinning top of any desired type with a detachable self-elevating propeller adapted to be released from the spinning top when the top strikes the ground, thus causing the propeller to fly upwardly due to its own revolution as obtained from the spinning top before it becomes detached therefrom.

Other and further objects of my invention will be apparent from the following description of one embodiment thereof and from the accompanying drawings in which

Figure 1 is a sectional view of a spinning top with a view in side elevation of a detachable self-elevating propeller in place thereon with its upward flight indicated in dotted lines; and

Fig. 2 a section taken on the line 2—2 of Fig. 1 looking in the direction of the arrows.

In the embodiment of my invention chosen for purposes of illustration, reference numeral 1 indicates a spinning top of any desired material and construction such as the ordinary well known wooden top. An opening 2 is provided at the bottom thereof for the peg 3. The opening and the portion of the peg fitting therein may be of any desired shape, the drawing showing a square opening with a peg having a corresponding square portion to fit therein. The fit of the peg in its opening preferably is sufficiently tight to prevent the peg dropping therefrom but not too tight to prevent its longitudinal movement for a purpose to be hereinafter described.

The top of the spinning top is provided with a recess 4 in which is adapted to fit a stem 5 of a self-elevating propeller 6. The propeller may be of any suitable construction, of any desired material, and with any desired number of blades. A two bladed propeller is illustrated made of sheet metal in well known manner. The blades may be of different colors to add attractiveness to the toy. The stem 5 of the propeller is adapted to fit opening 4 in the top sufficiently tight to impart the spinning movement of the top to the propeller, but to enable the propeller to be detached from the top when the top strikes the ground in the manner hereinafter described.

To detach the propeller from the top when the top strikes the ground so as to enable the propeller to fly upward from the effect of its own revolution, the upward movement of the peg when the top strikes the ground is utilized. In the embodiment chosen for purposes of illustration a hole 7 is provided in the top connecting recesses 4 and 5 in which is fitted a rod 8 secured to or integral with peg 3 and preferably having a head 9 secured thereon to prevent the rod and peg from being removed entirely from the top. It is obvious that the rod 8 may be entirely disconnected from peg 3 if desired or even extend entirely therethrough and itself hit the ground, in which case the head 9 may be used or not as desired.

In operation the stem 5 of the self-elevating propeller is inserted in its recess 4 which causes peg 3 to protrude from the bottom of the top. The top, being wound with a string in ordinary manner, is thrown on the ground to cause it to spin. This spinning movement is imparted to the propeller and as the top strikes the ground the peg is forced into the top, thereby releasing the propeller which flies into the air at various heights according to the skill of the spinner. If desired, an explosive cap may be placed between head 9 and stem 5, thereby causing the propeller to fly off with an explosive noise and somewhat accelerated by reason of any slight gas generated.

Many modifications of my invention will be apparent to those skilled in the art without departing therefrom or from the scope of the claims, my invention not being limited to the particular embodiment chosen for purposes of illustration but consisting of a top and a self-elevating propeller detachably secured thereto adapted to be released with a spinning movement when the top strikes the ground so that the revolution of the propeller will cause it to fly upward.

What I claim is:

1. In a toy, the combination of a self-elevating propeller adapted to be detachably secured to the top of a spinning top and released therefrom with a spinning movement to cause its upward flight from its own revolution when the spinning top strikes the ground, with a top having a longitudinal

opening therein adapted to receive a peg having longitudinal movement in said opening, and means to cause the upward movement of said peg when it strikes the ground to release said propeller.

2. In a toy, the combination of an elevating propeller with a spinning top, means to secure said propeller detachably to said top, and means to release said propeller from said spinning top when the top strikes the ground.

In testimony that I claim the foregoing I have hereunto set my hand.

PHILIP JOFFE.