Aug. 14, 1934. E. P. LEHMANN 1,970,177

TOY

Filed Nov. 24, 1931

Fig. 1

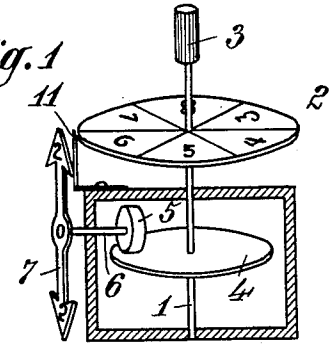



Fig. 2

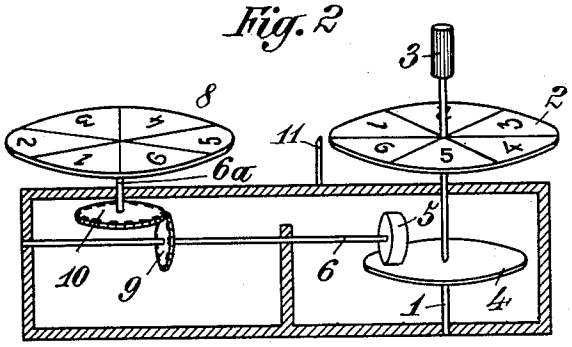
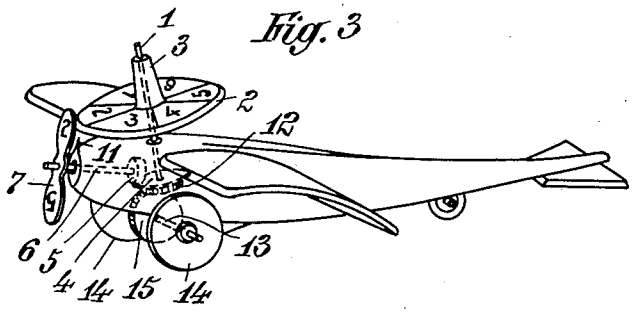



Fig. 3




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## TOY

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Application November 24, 1931, Serial No. 577,132
In Germany October 6, 1930

2 Claims. (Cl. 273—142)

The toy according to this invention comprises a rotary disc which may be provided with numbered sections and a rotary shaft with a pointer secured thereon driven from the rotary disc by means of one or more gears of any suitable kind. (An indicator disc provided with numbers may be provided instead of the pointer.

Three embodiments of the invention are shown by way of example in the accompanying drawing:

Fig. 1 shows an embodiment in which the shaft of the disc is vertical and that of the pointer is horizontal.

Fig. 2 shows an embodiment in which the two shafts are parallel to each other.

Fig. 3 shows an embodiment in which the toy is constructed in the form of an aeroplane.

A rotary disc 2, a handle 3 for spinning the same and a friction disc 4 are secured on a shaft 1 which preferably is vertical or approximately vertical. A second disc 5 is driven from the disc 4. In the embodiments according to Figs. 1 and 3 a pointer 7 is secured directly on the shaft 6 of the disc 5 whereas in the embodiment according to Fig. 2 a toothed gearing 9 and 10 is inserted between the shaft 6 and the disc 8 serving as an indicator. A stationary index 11 is provided between the pointer 7 or the indicator disc 8 and the rotary disc 2.

In the aeroplane construction, Fig. 3, the propeller may conveniently serve as pointer 7.

Instead of the pair of friction discs 4, 5, Figs. 1 and 2, it is possible to use a pair of toothed gears and a pair of friction discs may be substituted for the toothed gearing 9, 10 of Fig. 2. The provision of at least one pair of friction discs serves the purpose of permitting slipping of the discs and thus an adjustment of the numeral discs with respect to each other so that a new numeral combination can be attained by rotation as shown in Fig. 3.

In the aeroplane construction according to Fig. 3 a toothed ring 12 is provided on the underside of the disc 4 and engages with a toothed wheel 15 which is secured on the shaft 13 for the wheels 14. The wheels 14 are rigidly secured to their shafts 13. Thus if the spinning disc 2 is driven, whether manually or by means of a cord, the wheels 14 and also the propellers 7 are set in motion.

In the embodiments according to Figs. 1 and 2 the toy is driven by spinning the handle 3. In the embodiment according to Fig. 3, the drive is effected either by rotating the handle 3 in which case it is necessary to lift the aeroplane because of the positive connection between the shaft 1 of the spinning disc and the wheels 14, or by pushing the aeroplane and allowing it to run.

For enabling the toy to be used in the game of "Lotto" and similar games both the spinning disc 2 and also the propeller or pointer 7 or the indicator disc 8 are provided with numbered sections.

I claim:

1. A toy constructed in the form of an aeroplane comprising a spinning disc mounted above the body of the aeroplane, a rotary indicator constituted by the propeller, and means including a friction gear forming a driving connection between said disc and propeller so that upon spinning the disc the indicator will also be rotated, said friction gear permitting an adjustment of the rotational speeds of the disc and indicator relative to each other.

2. A toy constructed in the form of an aeroplane comprising a spinning disc mounted above the body of the aeroplane, a rotary indicator constituted by the propeller, and means including a friction gear forming a driving connection between said disc, said propeller and the wheels of said aeroplane so that upon spinning the disc the indicator will also be rotated, said friction gear permitting an adjustment of the rotational speeds of the disc and indicator relative to each other.

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