

No. 676,807.

Patented June 18, 1901.

O. WESTON.
CHANCE DEVICE.

(Application filed Jan. 11, 1900.)

(No Model.)

Fig. 1.

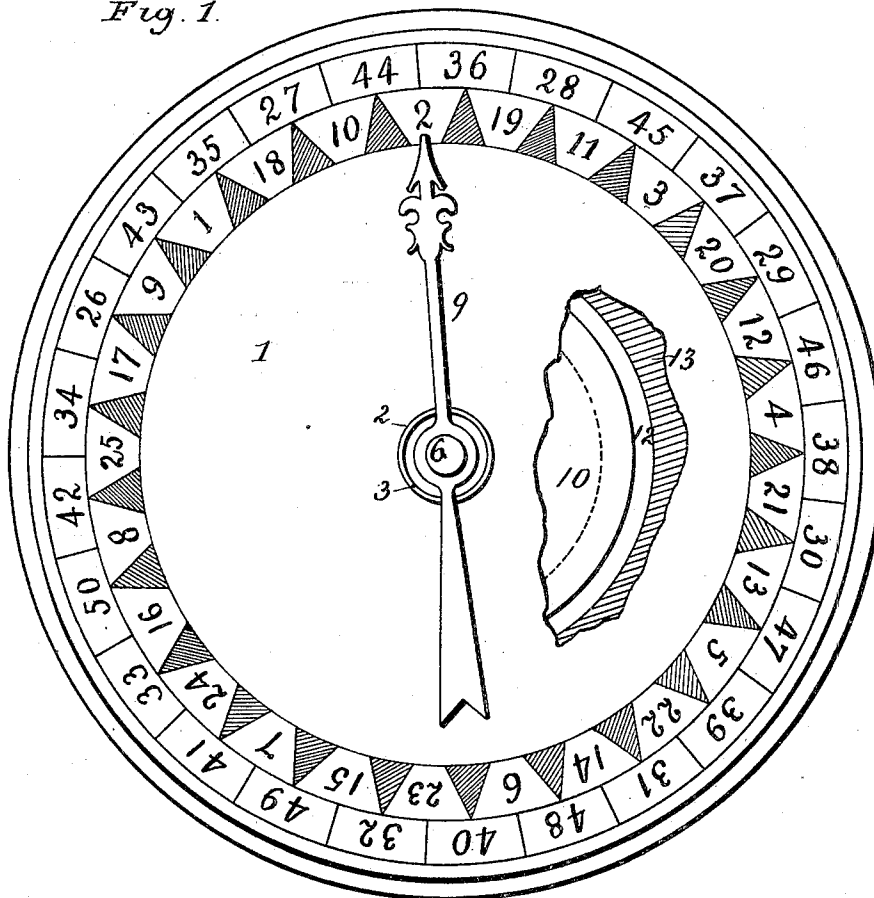


Fig. 2.

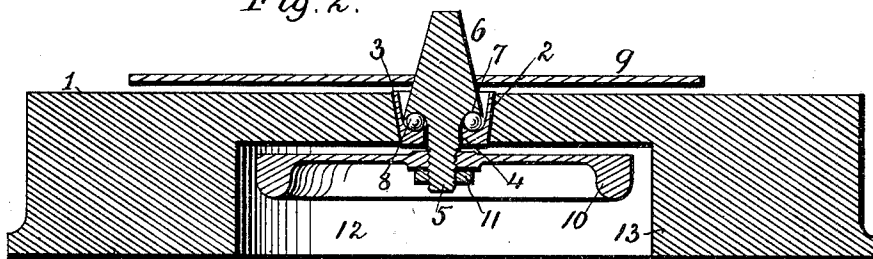
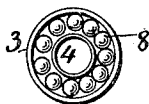


Fig. 3.



WITNESSES

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CHANCE DEVICE.

SPECIFICATION forming part of Letters Patent No. 676,807, dated June 18, 1901.

Application filed January 11, 1900. Serial No. 1,130. (No model.)

To all whom it may concern:

Be it known that I, OLIVER WESTON, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Chance Devices or Toys having a Revolving Indicator, of which the following is a specification, reference being had therein to the accompanying drawings.

10 The object of my invention is to provide a simple and inexpensive toy having a dial partly covered with a large series of numbers arranged in two concentric rows and an indicator-handle mounted upon a spindle resting
15 on ball-bearings, which spindle carries a balance-wheel located under the ball-bearings-supporting cup, so as to transmit a high impetus to the indicator-handle. I attain this object by the constructions illustrated in the
20 accompanying drawings, in which—

Figure 1 is a top view of the device constructed in accordance with my invention. Fig. 2 is a central vertical section of the same. Fig. 3 is a top view of the cup and balls of the
25 bearing.

In said drawings, 1 represents the dial, the face of which is divided adjacent to the periphery in two rows of spaces containing together a large series of consecutive numbers arranged as may be desired or as shown. The
30 dial has in its center a perforation 2, of substantially cylindrical form, within which is fitted a cup 3, having a central perforation 4 for the passage of the lower end of the spindle 5. The upper end of said spindle constitutes a knob 6, which can be rotated between a person's thumb and fingers. Said knob is

in the form of a truncated cone, the under side of which has a circular groove 7, adapted to receive the upper half of a series of balls 40 8, while the lower half of said balls is adapted to travel in the groove of the cup 3. Upon the conical portion of the knob 6 is mounted the indicator-handle 9, while upon the lower end of the spindle 5 is mounted a balance-
45 wheel 10, which is retained by a nut 11. To make room for said balance-wheel, there is a large cavity 12 formed into the under side of the dial's supporting-block 13. By this construction the balance-wheel not only main-
50 tains the momentum imparted to the spindle, but also keeps the handle 9 parallel with the dial, while the ball-bearings greatly reduce the friction of the parts.

Having now fully described my invention, 55 I claim—

In a toy having a revolving indicator, the combination of a supporting-block, a dial horizontally thereon having concentric rows of numbers, said block having also a central
60 perforation and a cavity in its under side, a ball-bearing cup within said perforation, balls in said cup, a spindle having a knob circularly grooved in its under side, a handle upon said knob, and a balance-wheel on
65 the lower end of the spindle, substantially as described.

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

OLIVER WESTON.

Witnesses:

L. ACHILLE DUFRESNE,
L. E. ROBERT.