No. 676,807. Patented June 18, 1901.

O. WESTON.

CHANCE DEVICE.

(Application filed Jan. 11, 1900.)

(No Model.)

Fig. 1.

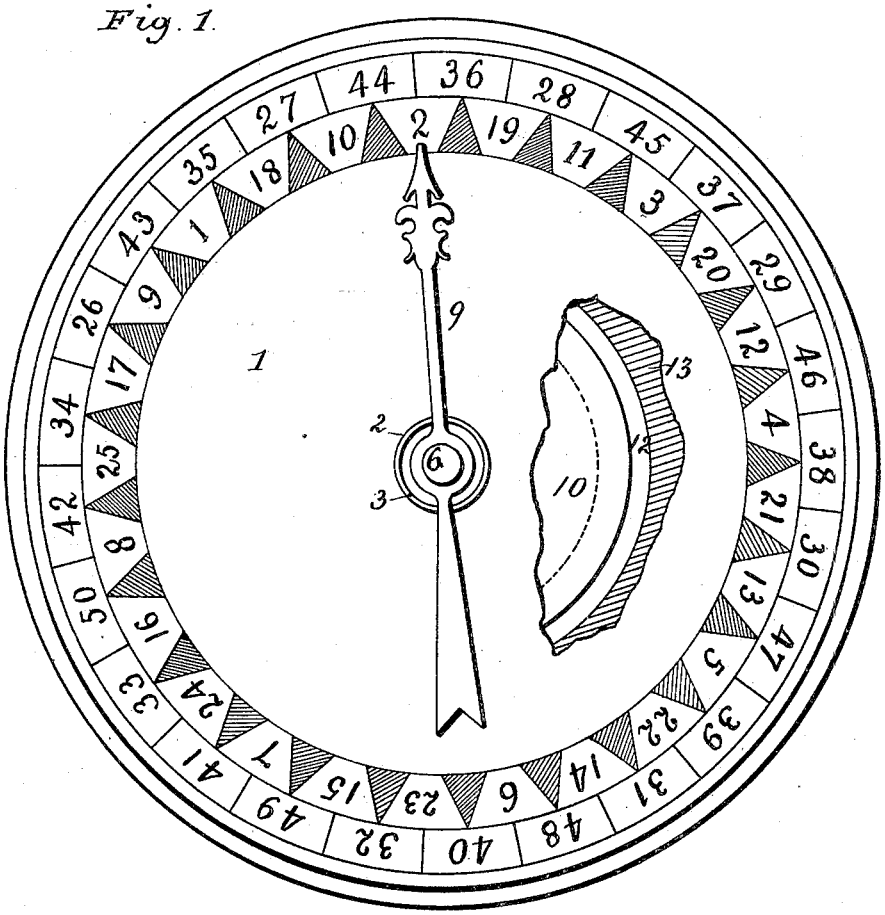


Fig. 2.

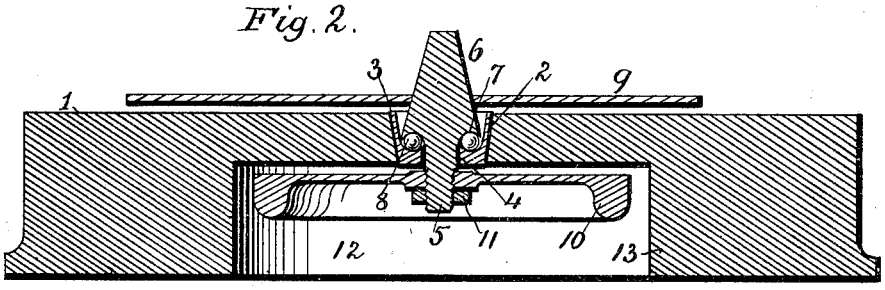
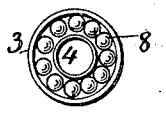


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

OLIVER WESTON, OF BOSTON, MASSACHUSETTS.

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.

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 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 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 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 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 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-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 maintains 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, 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 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 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.