C. A. LINES.

TOY-WHIRLIGIG.

No. 176,973. Patented May 2, 1876.

Fig. 2.

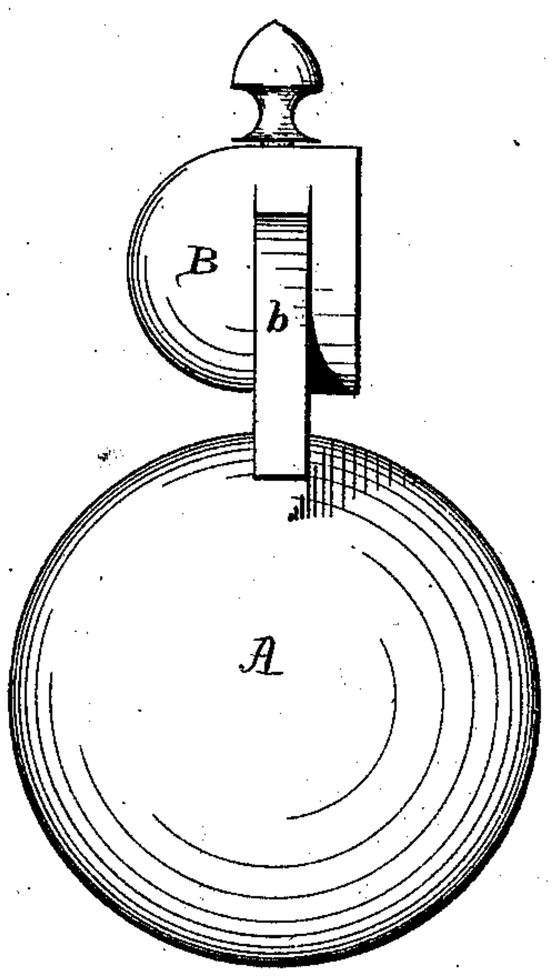
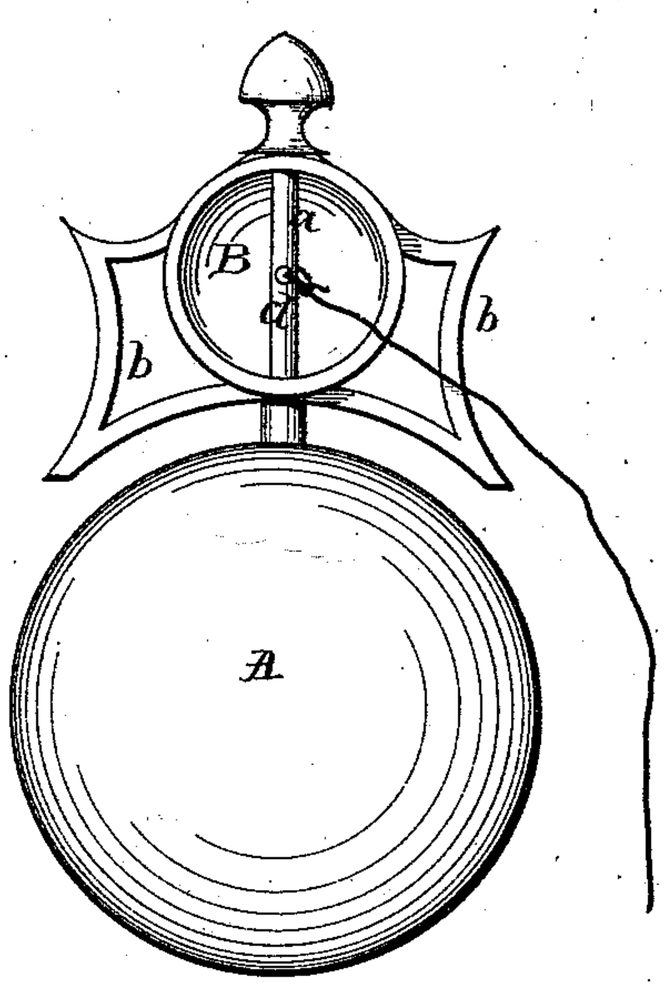


Fig. 1.



Witnesses:

Sylvanus Butler.
George Terry.

Inventor:

Charles A Lines.

UNITED STATES PATENT OFFICE.

CHARLES A. LINES, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN TOY WHIRLIGIGS.

Specification forming part of Letters Patent No. **176,973**, dated May 2, 1876; application filed October 22, 1875.

To all whom it may concern:

Be it known that I, CHARLES A. LINES, of the city and county of New Haven and State of Connecticut, have invented a certain new and Improved Toy; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view of the toy in such a position as to show all its parts—namely, the spherical ball, the cup, (its edge and inside,) the handles, and winding-string. Fig. 2 is a view of the toy turned one-fourth of a revolution from its position as shown in Fig. 1, and more fully illustrates the shape of the cup.

My invention belongs to that class of toys usually called spinning-toys; and consists in novel construction and arrangement of parts, hereinafter more fully set forth and claimed.

In the drawing, the letter A indicates a spherical ball turned from wood. The spindle *a* is inserted in the ball in the line of its diameter, is long enough to pass through the cup B, and forms the journals and winding-surface. The spindle is turned down, so as to form a shoulder near the ball, against which the cup B comes, and its outer end is threaded, and is provided with a nut holding the cup B on the spindle. The part of the spindle within the cup is the surface on which the string winds, and has a perforation, through which one end of the string passes and is fastened. The cup B is a short cylinder, with a closed hemispherical end. The handles *b b* are constructed on the cup opposite to each other, and are arranged in the same plane in which the holes through the cup are made for the spindle. The cup and handles are constructed or cast in one piece.

The manner of using my improved toy is as follows: A string of proper length, passing through the perforation in the spindle and tied, is wound around the spindle. By quickly pulling the outer end of the string the spherical ball will be rapidly revolved, and, when the string is drawn out its length, if the hand is moved toward the cup, it will be again wound on the spindle, and can again be drawn out, turning the ball in the opposite direction; or, when drawn out its length, the string may be dropped, and it will be wound on the spindle, and revolve with it.

I claim as my invention—

The toy herein described, consisting, essentially, of the spherical ball B, provided with the perforated spindle *a*, forming the journals and winding-surface, and the cup B, provided with the handles *b b*, the cup and handles constructed in one piece, and arranged to operate substantially as specified.

CHARLES A. LINES.

Witnesses:

SYLVANUS BUTLER,

GEORGE TERRY.