F. W. Flagg,

Whirligig.

No. 55,766. Patented June 19, 1866.

Fig. 1.

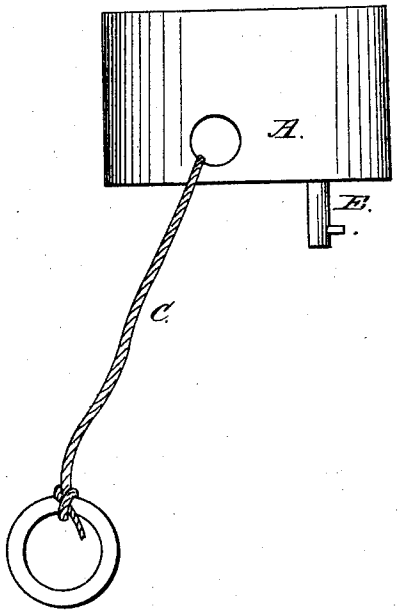


Fig. 3.

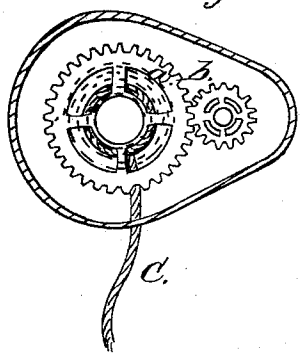
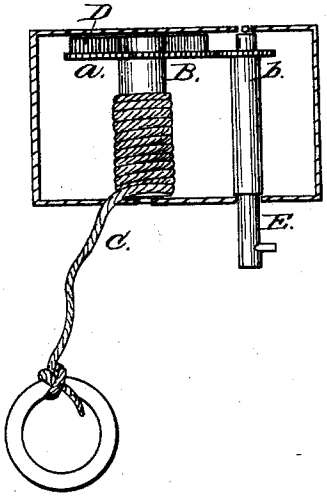


Fig. 2.



Witnesses.

John H. Shumway

M. A. Hine.

Inventor.

F. W. Flagg

By his Atty John E. Earle

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

F. W. FLAGG, OF MIDDLETOWN, CONNECTICUT, ASSIGNOR TO HIMSELF AND E. B. MANNING, OF SAME PLACE.

WHIRLING-JACK FOR TOYS.

Specification forming part of Letters Patent No. **55,766**, dated June 19, 1866.

To all whom it may concern:

Be it known that I, F. W. FLAGG, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new Improvement in Whirling-Jacks for Toy Tops; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; Fig. 2, a longitudinal vertical central section; and in Fig. 3 an interior view, showing the mechanism of the whirling-jack.

My invention relates to an improvement in the instrument used for whirling toy tops; and it consists in the employment of a cord to be pulled, combined with a self-winding apparatus, instead of a spring-jack, heretofore used.

To enable others skilled in the art to construct and use my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is the case inclosing the mechanism; B, the barrel, having its bearings in the upper and lower sides of the case, as seen in Fig. 2, and to which the cord C is attached and wound thereon by the action of a coil-spring, D. (See Fig. 2; also denoted in red, Fig. 3.) This said spring is attached to the case and the barrel, so that as the cord is drawn from the case the spring is wound up, and when the cord is released the reaction of the spring rewinds the cord upon the barrel.

E is a spindle having its bearings in the upper and lower plate of the case, and is caused to revolve by a toothed wheel, *a*, on the barrel, working into a correspondingly-toothed wheel, *b*, on the spindle. (See Figs. 2 and 3.) The lower end of the spindle E is constructed so as to be attached to the top and at the same time to release the top at the proper time.

To whirl a top with my improved jack, place the spindle E into or onto the spindle of the top, according to its construction; then, holding the barrel in one hand, with the other quickly draw the cord from the barrel, which gives the top a rapid whirl as it leaves the jack. Letting go the cord, the coil-spring on the barrel rewinds the cord ready for a second operation.

By the arrangement of the spindle E and barrel B, with their respective gears, a much more rapid whirl is given to the top than could be done were the top attached directly to the barrel and the spindle dispensed with; yet my invention does not require the presence of the spindle, as the barrel B may project through the lower plate, so as to form a spindle in one and the same piece. Therefore, without confining myself to the use of the spindle separate from the barrel—

What I claim as new and useful, and desire to secure by Letters Patent, is—

The combination of the spring D with the barrel and spindle of a whirling-jack, when constructed and arranged to operate in the manner herein described, so as to rewind the cord, as specified.

F. W. FLAGG.

Witnesses:

JOHN E. EARL,

JOHN H. SHUMWAY.