No. 864,214. PATENTED AUG. 27, 1907.

T. I. TEMPLE.

TOY.

APPLICATION FILED DEC. 4, 1906.

Fig. 1.

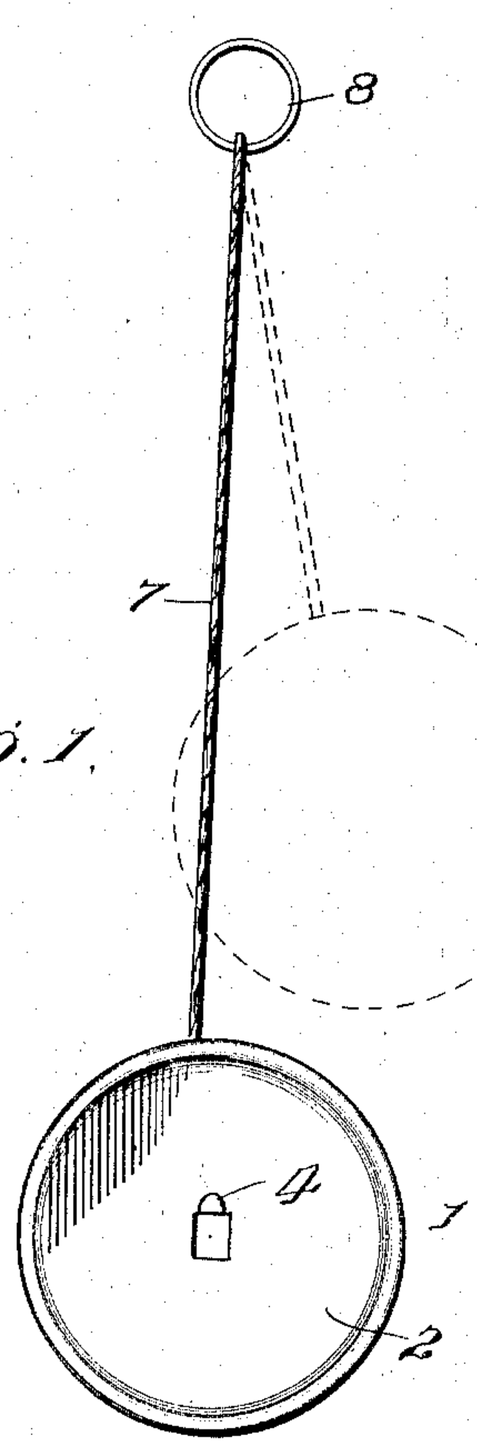


Fig. 2.

Fig. 3.

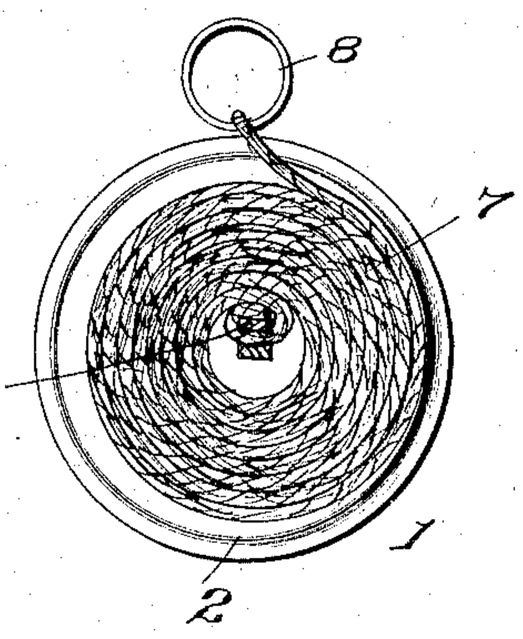
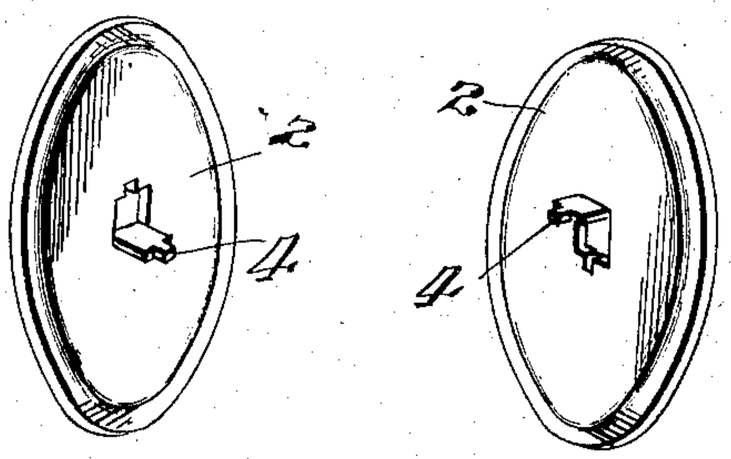


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS I. TEMPLE, OF PORTLAND, OREGON.

TOY.

No. 864,214. Specification of Letters Patent. Patented Aug. 27, 1907.

Application filed December 4, 1906. Serial No. 346,315.

To all whom it may concern:

Be it known that I, THOMAS I. TEMPLE, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Toys, of which the following is a specification.

The object of my invention is to provide a novel and ingenious device which will embody and partake of a combination of characteristics of a toy, puzzle and trick, and the invention consists, essentially, of an improved construction of "bob" device in the form of a weight adapted to roll off and on a string suspended from the hand of the operator, as will be hereinafter specifically described and particularly pointed out in the appended claim.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a side elevation of the device embodying this invention. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a sectional view, or a view with one of the disks removed, the flexible member being wound up. Fig. 4 is a detail perspective view of the two disks detached from each other.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings the numeral 1 designates the weight or "bob" of the device, the same comprising two spaced apart disks 2 secured together at or near their centers, as shown. In the present instance I secure these disks together by means of a stud connection which consists of two tangs 3 that are struck up from about the center of the respective disks and bent outwardly at an angle to the face thereof, said tangs being provided at their extremities with short spurs 4 which penetrate the opposite disks and are bradded or riveted to the outer faces thereof. As the short spurs 4 produce outwardly facing shoulders on the outer ends of the tangs, the two disks are thus held securely together in the spaced apart relation. In the preferred arrangement, as indicated in Fig. 4 and best shown in Fig. 2, the spur of one tang projects through the short recess that is formed in the opposite disk by the removal of the spur of such disk. The outer edges or margin of the two disks are beveled on their inner faces, as indicated at 6. To this weight or bob 1, a string or similar flexible member 7 is secured at one end by having said end firmly tied around the center stud of the disks, and the opposite end of the string is provided preferably with a finger loop 8.

In the practical use of this device, which constitutes in a certain sense an aerial top, the string 7 is first wound spirally around the center stud and between the opposing faces of the two disks, as indicated in Fig. 3, and after the string has been wound its free end is held in the operator's hand, preferably by placing the loop 8 over one of the fingers. To then manipulate the device, the operator lets go of the weight constituted by the two disks 2, and it is manifest that the weight will unwind from the string by gravity, and as soon as it completely unwinds its momentum will cause a continued rotation and effect the rewinding of the weight upon the string. In the rewinding movement, the same direction of rotation is of course maintained, but the string will be wound upon the pintle or stud at the center of the two disks in an opposite direction from that in which it was unwound when first manipulated. After the "bob" has been released and has descended, as above described, to the end of the string, it is evident that it will return of its own volition only part way. In order that it may be returned entirely to the operator's hand and rewind entirely upon the string, it will be necessary for the operator to impart a slight jerk upon its descent and about the time the toy reaches its lower limit. This will give the bob force enough to return, and consequently after the operator has become proficient in the manipulation of the device, it will never be necessary to manually rewind the string between the two disks, as this would be effected by the automatic rotation of the bob, as above set forth.

From the foregoing description in connection with the accompanying drawings, it will be seen that I have provided a very ingenious and novel device, which at the same time is a toy, puzzle and trick all in one, as it has an element of mystery at first, and will be somewhat a source of wonder as to how it operates, while after the operator has become proficient in the manipulation of the device, it will afford considerable amusement, especially to children. After the operator has become proficient in the manipulation of the toy, he need not pay particular attention to the hand being directly over the slot or space between the two disks while in operation, as, with continued practice, the article rarely becomes entangled by swaying from side to side. Nor, need the operator necessarily wind the toy after being stopped at the end of the string; but, after a series of slight jerks, the weight or bob can be brought to the hand.

This toy may be used for pegging at tops, marbles, or the like. By placing the toy in the hand, between the thumb and first finger, in a vertical position, the string being on the under side, the weight can be cast from the hand with force. It should hit the floor or ground before it has reached the end of the string. Hence in coming in contact with the floor or ground, it will come back to the hand direct. The operator,

after becoming familiar with this, can utilize this toy in playing marbles and other games of widely diversified character.

Having thus described the invention, what is claimed as new is:

As an improved article of manufacture, the herein described device consisting of a pair of disks each of which is provided near its center with a struck-up tang having a spur extremity extending through and secured to the other disk, said spurs producing shoulders on the outer ends of the tangs, said shoulders abutting against the opposite disk, whereby to hold the two disks together in spaced relation, and a string secured at one end to said tangs and adapted to wind about the same.

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

THOMAS I. TEMPLE. [L. S.]

Witnesses:

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