

H. Foulkes.

Toy Top.

N^o 95,455.

Patented Oct. 5, 1869.

Fig. 1.

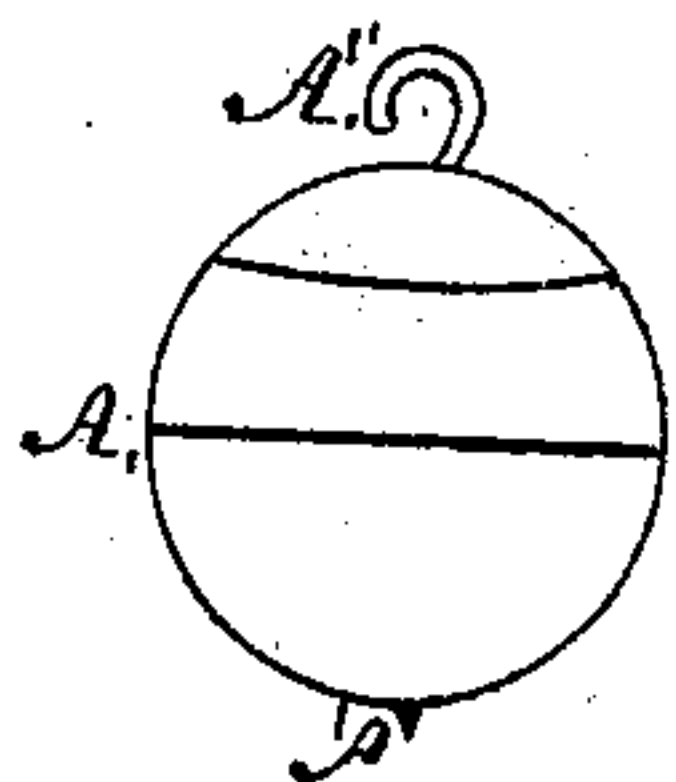


Fig. 2.

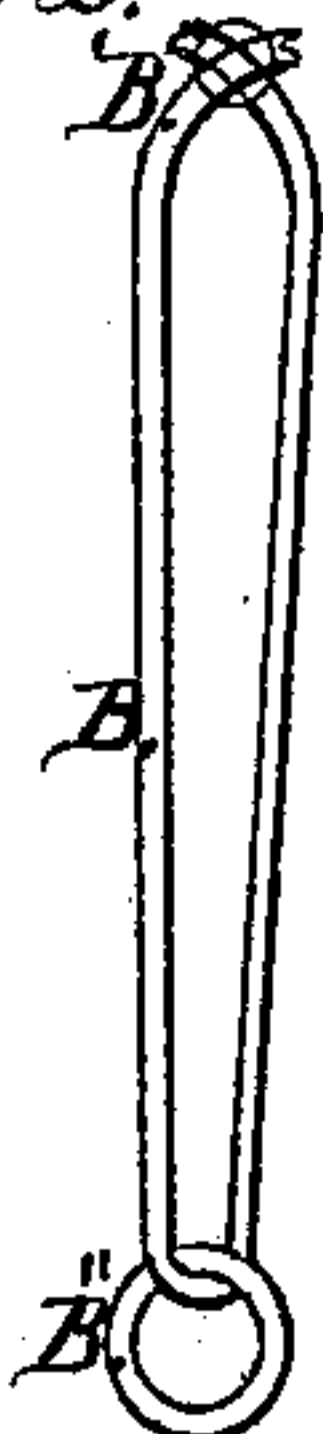


Fig. 3.

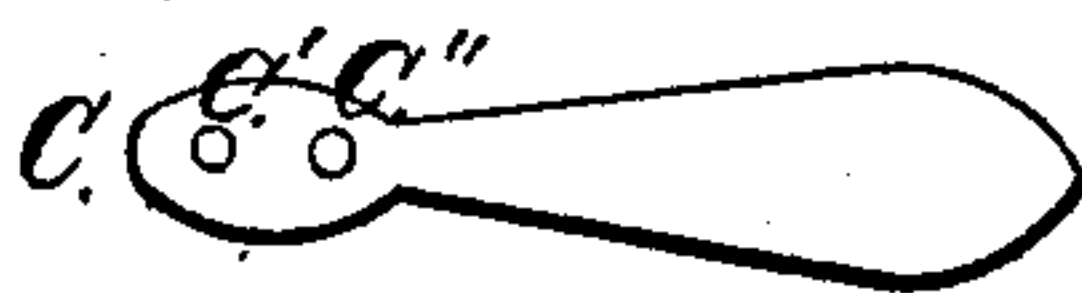


Fig. 4.

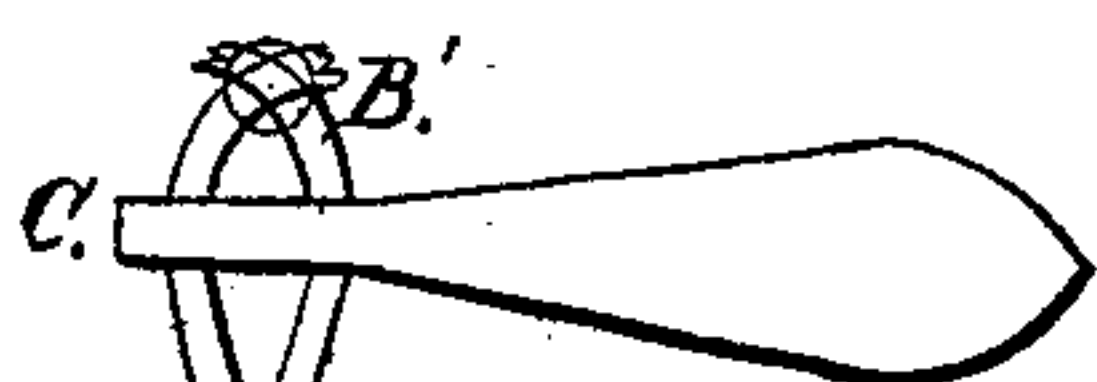


Fig. 6.



Fig. 7.

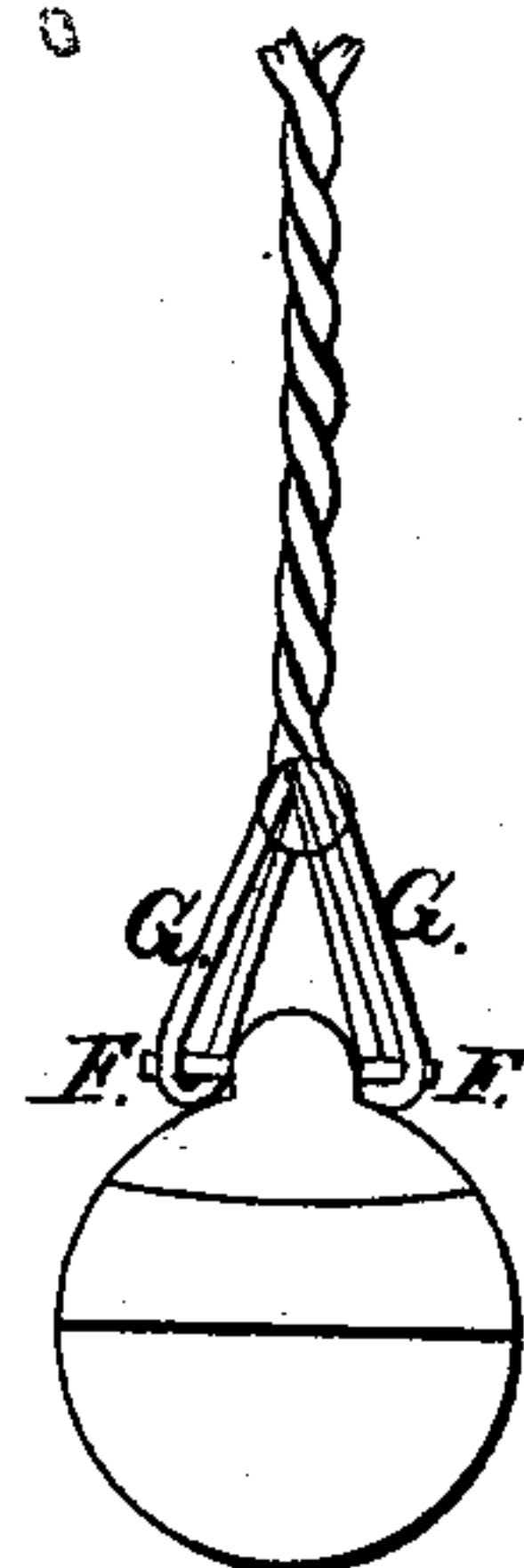


Fig. 5.

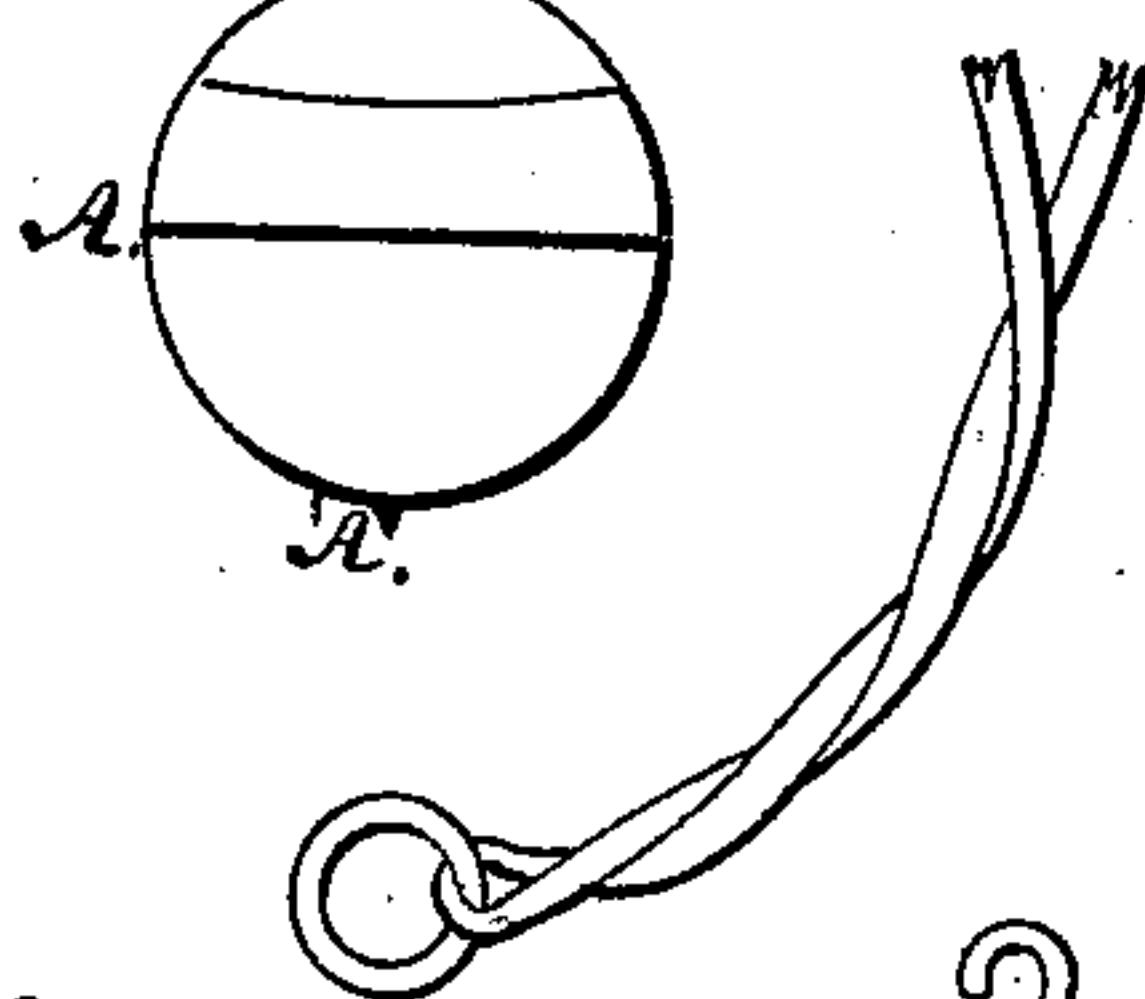
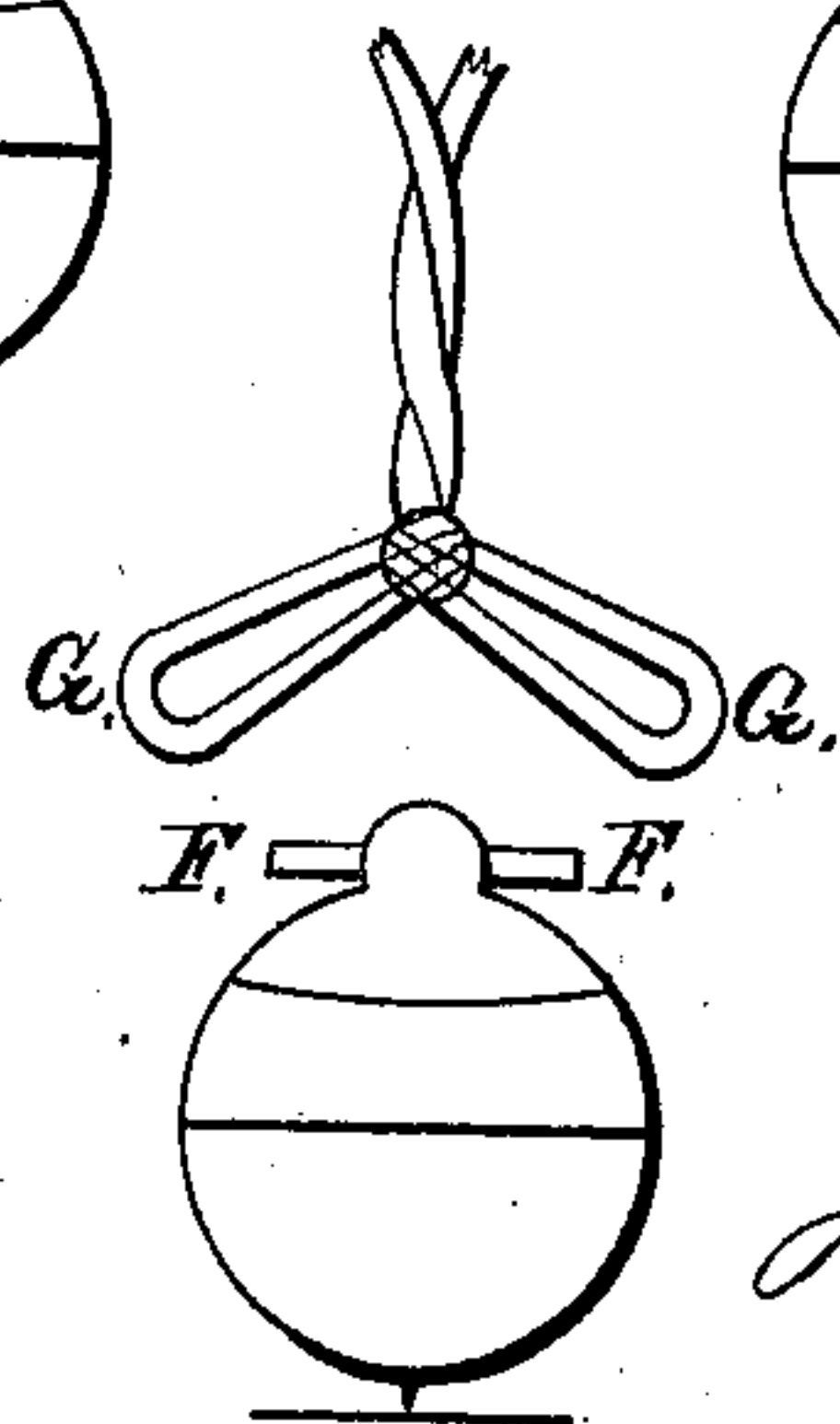


Fig. 8.



Witnesses

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Inventor:

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United States Patent Office.

HENRY FOULKES, OF UTICA, NEW YORK.

Letters Patent No. 95,455, dated October 5, 1869.

TOY TOP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY FOULKES, of Utica, Oneida county, New York, have invented a new and useful Improvement in Toy Tops for children.

The nature of my invention consists in giving motion to the top with the aid of a double string, and the manner of detaching said string from the top when it is in motion; and

I do hereby declare that the following is a full, clear, and exact description of my said invention, and of the operation of the same, reference being had to the annexed drawing, making a part of this specification, in which—

Figures 1, 2, 3, represent the top and its appendages separately.

Figure 4, the top, with the parts in place as they stand when ready to be put in motion.

Figure 5, the top detached from the ring, and left spinning on its point, on any smooth surface.

A is the top.

A' is the point.

A" is the hook, which connects with the ring.

B is the double string.

B' is the knot.

B" is the ring, which connects with the hook.

C is the handle, used for untwisting the double string.

C' and C" are two holes for the double string. (See fig. 4.)

Manner of Operation.

Take the string, with the knot B', between the thumb and finger of the left hand, and hold it up; then hook the top on the ring B". Take the handle C in the right hand, and hold it up near the upper end of the string. As soon as the string becomes twisted, as seen in fig. 4, slide the handle down to within about two inches of the top, then slide it up quickly, thus leaving the top to twist the string by its momentum. Hold the handle up until the top stops and begins to reverse its motion, then slide the handle down to within about two inches of the top, and then lower the left hand, so as to let the top down on any smooth surface, and the ring B" will fly from the centre of motion, and leave the top spinning on its point, as seen in fig. 5.

Figure 6 represents another way of giving motion

to the top, and differs from the way already explained, inasmuch as there is no handle to slide on the string; also the string is left separate at one end, and fastened to two handles, D and D, which the operator holds, one in each hand, and moves them apart in the direction of the arrows E and E, until the string is untwisted to within about two inches of the top; then he brings them together, and holds them so until the top begins to reverse its motion; then he moves them apart as before, until the string is nearly all untwisted; then he lowers his hands, so as to let the top down to spin on its point, as seen in fig. 5.

Figure 7 represents another mode of attaching the string to the top. In this case the upper part of the top is left projecting, with the pin F F fastened into it, the ends of which pass through the loops G G of the double string. When the top is set down to spin on its point, the loops will fly from the centre of motion, on the same principle as the ring does, and thus leaves the top spinning on its point, as seen in Figure 8; that is, as soon as the weight of the top is removed from either the ring or loops, they are thrown from the centre by their centrifugal force.

The top and handle may be made of either wood or metal, and a button with two holes in it may be substituted for the handle; the hook and ring of wire. Any ordinary string will answer the purpose required.

The advantages of this top are, its cheapness of cost, nicety of working as a spinning-ball, when attached to the string, and as a common top, when detached from the string; its simpleness and durability.

Having thus described my invention,

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

A toy top, with a hook, A", or pin F F, on its upper surface, also the ring B", or the loops G G on the operating-string, said hook and ring or loops and pin, to be so arranged that when the top is set whirling, and placed on the floor, said ring or loops will be thrown off by their centrifugal force, and thus leave the top to revolve freely, the whole to be constructed and operated substantially as described.

HENRY FOULKES.

Witnesses:

JOHN F. SEYMOUR,

GEORGE M. WEAVER.