July 29, 1930. F. DOCHNAL 1,771,489

TOP AND MEANS FOR SPINNING SAME

Filed Dec. 18, 1929

Fig. 1.

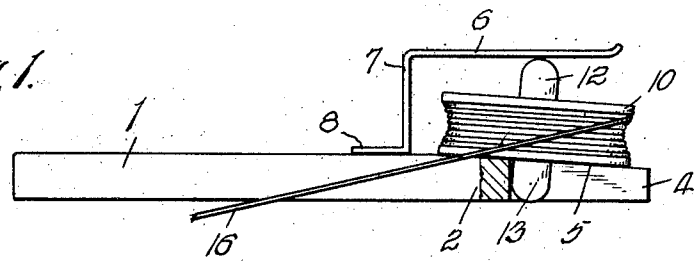


Fig. 2.

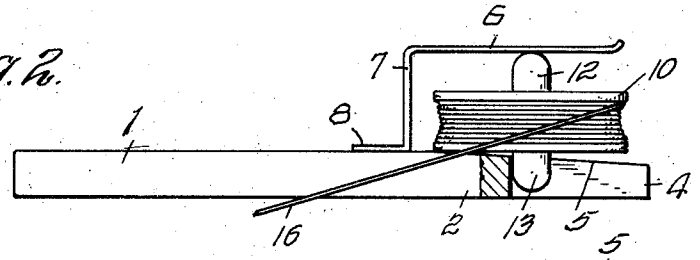


Fig. 3.

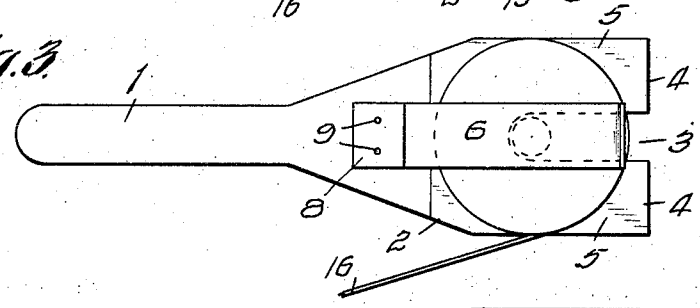


Fig. 4.

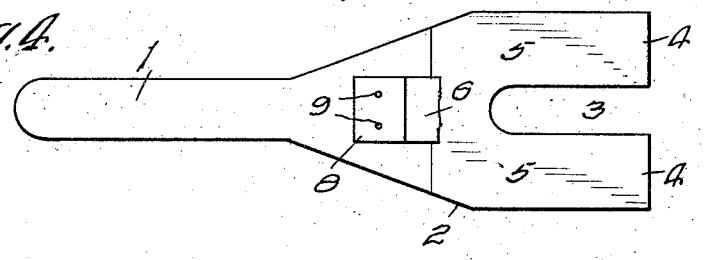
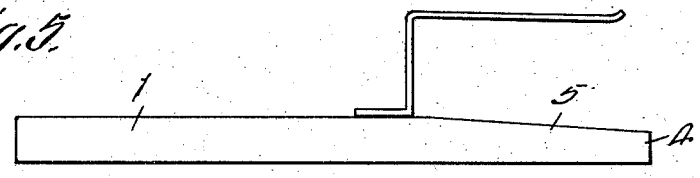


Fig. 5.



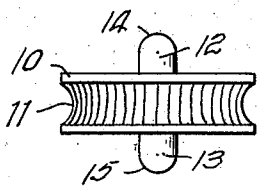


Fig. 6.

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UNITED STATES PATENT OFFICE

FRANK DOCHNAL, OF ST. LOUIS, MISSOURI

TOP AND MEANS FOR SPINNING SAME

Application filed December 18, 1929. Serial No. 414,834.

My invention relatess to tops and means for spinning the same.

The object of my invention is to provide a top which can be spun with either end down.

A further object of the invention is the provision of a top holder adapted to be held in one hand of the operator while he, or she pulls on the string to initiate the spinning of the top in the holder and from which it is discharged to the floor or other surface to spend its spinning force.

A further object of the invention resides in providing the holder with resilient means, which prevents the top from lifting itself from the holder while pulling on the draft cord and to aid in discharging the top from the holder after the draft cord has been unwound from the top.

A still further object of the invention is the provision of a top which possesses advantages in points of simplicity and efficiency, and, at the same time proves itself comparatively inexpensive in cost of manufacture.

With the above and other objects in view, the invention consists in the novel features of construction, arrangement and combination of parts hereinafter more fully described and finally pointed out in the claims hereto appended.

Referring to the accompanying drawings forming a part of this specification, wherein like characters of reference denote similar parts throughout the several views:

Fig. 1 is a side elevation showing the holder and top mounted therein and before a draft is applied to the pull string.

Fig. 2 is a view similar to Fig. 1 when draft has been applied to the pull string.

Fig. 3 is a top plan view of holder and top assembly.

Fig. 4 is a top plan view of the holder with a portion of the tongue member thereof broken away.

Fig. 5 is a side elevation of the holder.

Fig. 6 is a side elevation of the top.

In carrying out the aim of my invention, I employ a holder embodying a handle portion 1 and a bifurcated head 2 at one end thereof to provide a slot 3 having an open outer end between the forked ends 4. The holder may be of any desired size and made from any material, such for instance, as wood, metal, fiber or its equivalent. The upper faces of the forked arms 4 and a part of the head 2 have their upper faces beveled or inclined upwardly from the outer ends of the arms 4, as at 5, to provide an inclined base to guide or lead a top toward the open end of the slot 3 after it has been gyrated by means of a pull, or draft string, as will be apparent hereinafter.

A tongue member 6, preferably of resilient material, is disposed above the bifurcated end of the head 2 of the handle 1 in suitable spaced relation to the upper inclined face 5 of the bifurcated end of the holder and is provided with an upright section 7 which terminates at its lower end in a base section 8 which is secured to the head portion 2 of the handle 1 by means of suitable fastening devices 9, such for instance as nails, screws, or their equivalent.

For use in connection with the holder as above described, I provide a top having a cylindrical body 10 having a serrated concaved peripheral pull string receiving groove 11. The body is flat on its upper and lower faces and it is provided centrally thereof with the opposed pins 12 and 13 which have their end faces curved or half rounded, as at 14 and 15, respectively.

In use the holder and top are assembled as shown in Fig. 1, and it will be noted the lower face of the top body lies upon the inclined face of the bifurcated end of the holder with pin 13 seated in the slot 3 and with a pull cord 16 wound around the body of the top with one end extended to be grasped by the operator.

Now, the operator holds the handle 1 in one hand and grasps the string 16 with the other hand and just as soon as the string is pulled to gyrate or spin the top, the top will assume a vertical position as shown in Fig. 2 with the pin in end contact with the tongue 6, as it has a tendency to lift itself from the inclined base of the holder, but which is lim-

ited in its lifting movement by the tongue 6. When the pull cord has been unwound from the body of the top to initiate the spinning thereof, the top will immediately move toward the outer end of the bifurcated end of the holder and be discharged to the floor or any other surface where it will spend its spinning or gyrating force. The inclined upper face of the bifurcated end of the holder, it will be observed, gradually widens the gap between the beveled upper face of the holder and the tongue 6 so that the top has free outward movement in being discharged from the holder.

The top may be spun on either end due to the two pins 12 and 13, thus the operator needs to pay no attention to which side of the top is up or down in mounting the same upon the holder between the bifurcated end of the holder and the resilient tongue 6 thereof.

The many advantages of the herein described invention will readily suggest themselves to those skilled in the art to which it appertains.

From the foregoing description, it is evident that a simple device for this purpose has been disclosed, but it is to be understood that I do not deseire to restrict, or limit myself to the very details of the construction shown and described, which is merely illustrative, it being obvious that changes, not involving the exercise of invention, may be made without conflicting or departing from the spirit of the invention within the scope of the appended claims.

What I claim is:

1. In a device of the class described, a holder in the form of a handle having a bifurcated end which end is provided with an inclined upper face, a resilient member fixed at one end to the handle with its opposite end portion disposed in spaced relation above the bifurcated end of the holder and a top formed with opposed short pins, one of which is receivable in the bifurcation of the handle and the other in end contact with the resilient member, and the body of the top having a concaved peripheral groove adapted to receive a draft cord.

2. In a device of the class described, a holder in the form of a handle having a bifurcated end which end is provided with an inclined upper face, a resilient member fixed at one end to the handle with its opposite end portion disposed in spaced relation above the bifurcated end of the holder, a top provided with oppositely disposed pins, the body of the top adapted to be mounted between the bifurcated end of the holder with one pin disposed in the bifurcation of the holder and the other pin in end contact with the resilient member and a draft string adapted to be wound around the body of the top and pulled by one hand of the operator to initiate the spinning of the top, while the handle of the holder is held in the other hand of the operator.

3. In a device of the class described, a holder formed with a vertical slot open at one end, the upper face of said holder adjacent the slot being inclined, a resilient tongue disposed in spaced relation above a portion of the vertical slot, means for securing the tongue to the holder and a cylindrical top having opposed short pins, one of which pins is adapted to be seated in the vertical slot of the holder and the other of said pins adapted for end contact with the resilient tongue to prevent the top from lifting itself from the holder when initially gyrated by means of a pull string adapted to be wound around the top.

In testimony whereof, I have hereunto affixed my signature.

FRANK DOCHNAL.