P. GENTILE AND A. DEL GINDICE.

TOY.

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1,426,375. Patented Aug. 22, 1922.

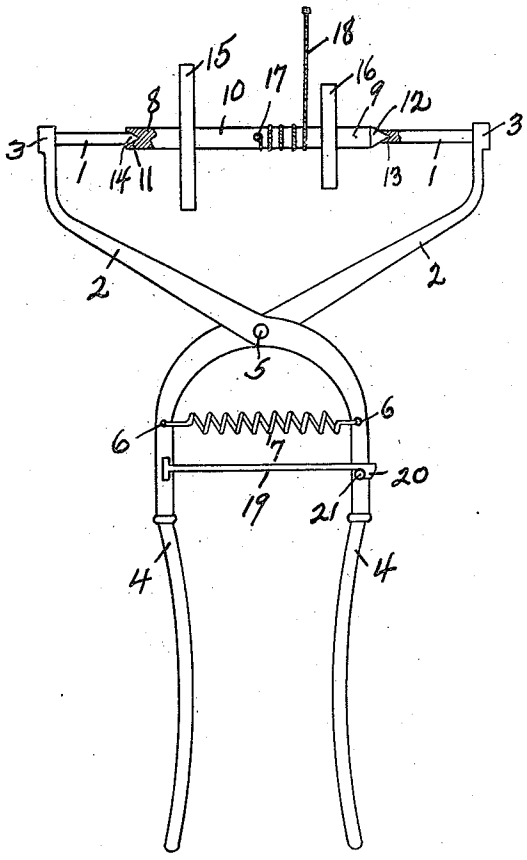


Fig. 1

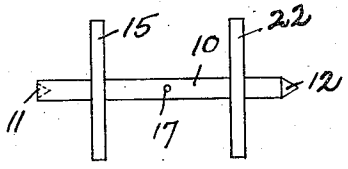


Fig. 2

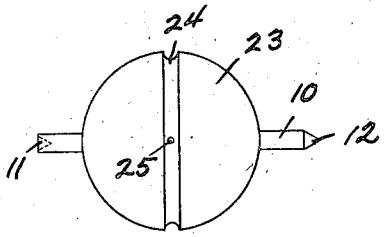


Fig. 3

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TOY.

1,426,375. Specification of Letters Patent. Patented Aug. 22, 1922.

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To all whom it may concern:

Be it known that PASQUALE GENTILE and ANGELO DEL GINDICE, citizens of the United States of America, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys. The principal object is to devise a toy comprising a spring controlled member provided with two jaws, and a suitable handle.

Another object is to provide means for securing a rotatable shaft between said jaws, this shaft having a central opening into which is fastened a string which may be caused to wind around the shaft. When the operator pulls upon the string, unwinding the same, this gives rotation to the shaft and discs formed or attached thereto, or to a spherical member mounted or secured to said shaft. The spherical member has a central opening for the attachment of a string, which may be wound within a groove formed upon the outer circumference of said spherical member.

The drawing illustrates the preferred embodiment of the invention. However, it is to be understood that in adapting the same to meet varying conditions, various changes in the form, and minor details of construction, may be resorted to without departing from the nature of the invention as claimed and set forth in the drawing:

Figure 1 is a side elevation of the device.

Figure 2 is a detail view.

Figure 3 is a detail view.

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

By referring to Figure 1 it will be seen that the device embodies jaws 1 which are secured to arms 2 at points 3. These arms 2 are a continuation of the handle members 4, and are pivotally secured by means of a pin 5. At points 6 on the handle members 4, there is attached a spring 7 which tends to hold the jaws 1 against the shaft ends 8 and 9. The shaft 10 is provided at end 8 with an inverted cone shaped portion 11, while the end 9 is provided with a cone shaped point 12, which fits into an inverted cone shaped portion 13 formed in the end of the right hand jaw member 1. The left hand jaw member 1 is provided with a cone shaped point 14 which fits within the inverted cone shaped member 11. Upon the shaft 10 there is secured discs 15 and 16. The disc 15 is larger in circumference than the disc 16. Centrally located in the shaft 10 is a hole 17 through which is secured a string or cord 18. By pulling the end of the cord 18 the shaft 10 and parts attached thereto are caused to revolve. In operating the toy the shaft 10 is placed within the jaw members 1 by opening the jaws by pressing inwardly upon the handle members 4. The handle members 4 are then released, allowing the jaw members 1 to be properly seated at the ends of the shaft 10. In order to keep the jaws 1 near a desired position for gripping the shaft 10 there is provided upon the handle members 4 a securing arm 19 provided with a dog 20 which functions against the pin 21, secured upon the right handle members 4. The operator may hold the device when the shaft 10 is rotating so that the shaft 10 is horizontal to a table or floor and then released by pressing inwardly upon the handle members 4. As the disc 15 is larger in diameter than the disc 16 the shaft 10 with the discs 15 and 16 attached thereto will tend to take a circular path when released.

The operator may hold the device so as to release the shaft 10 in a vertical position, thereby allowing the shaft and discs 15 and 16 to represent the movement of the top rotating upon the point 12.

By referring to Figure 2 it will be seen that we have mounted upon the shaft 10 a disc 22 in place of the disc 16. It will be obvious when this combination is used, the shaft 10 when released in a horizontal position will tend to travel away from the operator in a straight line upon the discs 15 and 22 which are of the same diameter.

By referring to Figure 3 is will be seen that there is a spherical member 23 secured to the shaft 10 in place of the discs above mentioned Upon the central circumference of this spherical member 23 there is a groove 24 into which may be wrapped an operating string or cord 18 when properly secured by passing through a hole 25 of the spherical member 23 and a hole 17 of the shaft 10.

What we claim is:

In a device of the class described, two jaw members, said jaw members secured at right angles to two arm members for the purpose of supporting a shaft, two arm members

pivotally secured, two handle members being a continuation of said arm members, one of said jaw members having a cone shaped gripping point, the other jaw member having an inverted cone shaped gripping part, a spring secured between said handles below a pivot member, a revolving shaft provided at one end with a cone and at the other end with an inverted cone, a plurality of discs secured to said shaft, means for attaching a cord to said shaft, substantially as described for the purpose set forth.

In testimony whereof we affix our signatures.

PASQUALE GENTILE.
ANGELO DEL GINDICE.

Witnesses:
PAUL E. CARSON,
C. A. HARPMAN.