Nov. 24, 1925. 1,563,249

R. CANDIDO

WHIRLING TOY

Filed March 28, 1925

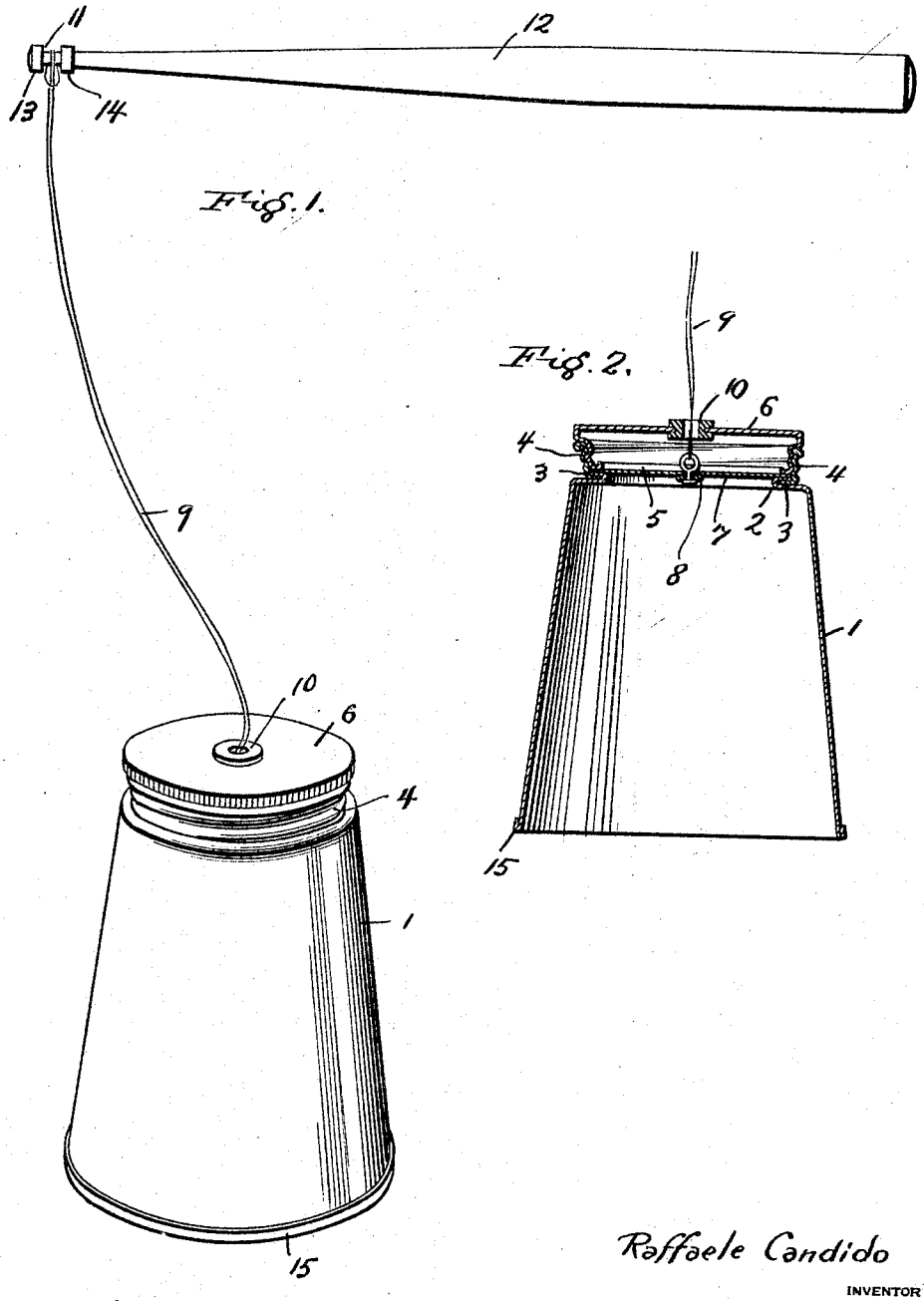



Fig. 1.




Fig. 2.

WITNESS: S. E. Carroll
Gerald Hennessy Jr.

Raffaele Candido
INVENTOR

BY Victor J. Evans
ATTORNEY

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# UNITED STATES PATENT OFFICE.

RAFFAELE CANDIDO, OF BALTIMORE, MARYLAND.

## WHIRLING TOY.

Application filed March 28, 1925. Serial No. 19,078.

*To all whom it may concern:*

Be it known that I, RAFFAELE CANDIDO, a citizen of the United States, residing at Baltimore, in the county of Baltimore and State of Maryland, have invented new and useful Improvements in Whirling Toys, of which the following is a specification.

This invention relates to toys and more particularly to noise makers of the whirling type.

The primary object of the invention is to provide a toy in the nature of a noise maker that will produce a noise to simulate the sound of a locust.

A further object is to provide a toy in the nature of a noise maker that is simple in construction, easy to manufacture and capable of producing a soft or excessive loud sound depending upon the speed of its travel.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side elevation of the toy forming the subject matter of the present invention.

Figure 2 is a vertical sectional view taken through the resonant shell showing the noise producing means.

Referring to the drawings in detail the numeral 1 indicates the resonant shell which is of bell shaped configuration and has its upper ends bent inwardly to provide a channel shaped flange 2 adapted to receive the right angled bent lower end 3 of a threaded sleeve 4. Interposed between the inturned lower end 5 of a cap member 6 which is threadedly secured to the threads of the sleeve 4 is a diaphragm 7 having a centrally disposed opening formed therein to receive an eye member 8 which is secured therein and has secured thereto the lower end of a plurality of threads 9 which are in the nature of hair and the best results can be obtained from horse hair. The threads 9 pass through an eyelet 10 arranged in an opening formed in the top 6 as clearly shown in Figure 2 of the drawings and have their upper ends looped about and secured to a neck 11 which may be coated with resin or like substance to provide a friction surface, the neck being formed on the small end of a tapered handle 12 and is formed with parallel enlargements 13 and 14 to prevent the loop end of the threads from becoming disconnected from the handle as will be readily apparent. The lower end of the resonant shell is bent upwardly upon itself as at 15 which not only forms a reinforcing means therefor but provides a smooth surface to prevent cutting or otherwise injuring the operator of the toy if for any reason the shell in its whirling movement should come in contact with the operator.

From the above description and drawings it will be readily apparent that the toy which forms the subject matter of the present invention is adapted to be whirled in the arc of a circle to produce the intended sound, and it will be apparent that if the resonant shell is whirled slowly the sound will be soft, but an excessive loud sound may be produced if the shell is revolved or whirled fast.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

1. A noise producing toy of the character described comprising a resonant shell, a screw threaded sleeve secured to one end thereof, a top for said shell and being threadedly secured to said sleeve, a diaphragm interposed between the top and the shell, said top being provided with an opening, a flexible element secured to said diaphragm and passing through said opening and the handle for receiving the opposite end of said element.

2. A sound producing toy of the whirling type comprising a resonant shell of bell shape configuration, a channel shaped flange

formed integrally with the upper end thereof, a threaded sleeve secured in said channel shaped flange, a top for said shell threadedly secured to said threaded sleeve, and being provided with a centrally disposed opening, an eyelet for reinforcing said opening, a plurality of threads having one of their ends secured to the central portion of the diaphragm and passing through the eyelet, and a tapered handle having a neck formed at the small end thereof for receiving the opposite ends of said threads.

In testimony whereof I affix my signature

RAFFAELE CANDIDO.