April 7, 1925.

1,533,034

C. M. SHAILER

TOY

Filed June 14, 1923

Fig. 1.

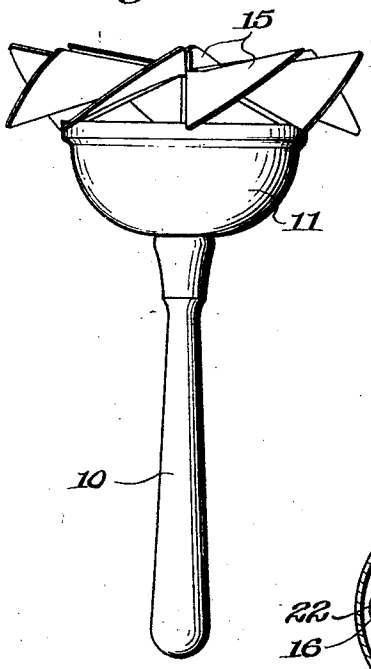


Fig. 2.

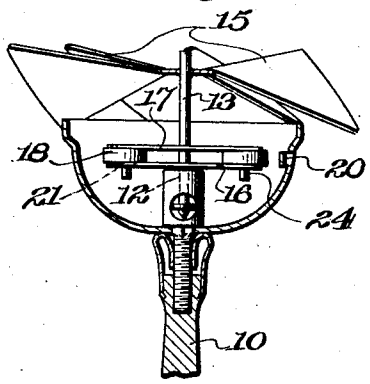


Fig. 4.

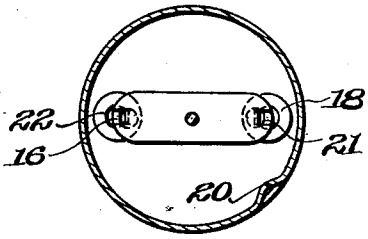


Fig. 3.

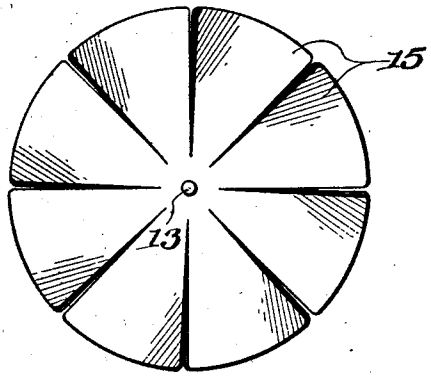
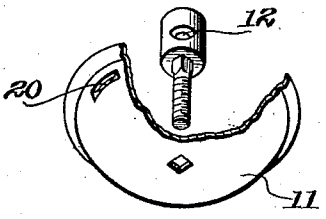


Fig. 5.



C.M. Shailer

INVENTOR

BY Victor J. Evans

ATTORNEY

WITNESSES: R.E. Wise
H. Cullinan

Patented Apr. 7, 1925. 1,533,034

UNITED STATES PATENT OFFICE.

CHARLES M. SHAILER, OF MILFORD, CONNECTICUT.

TOY.

Application filed June 14, 1923. Serial No. 645,372.

To all whom it may concern:

Be it known that I, CHARLES M. SHAILER, a citizen of the United States, residing at Milford, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys and contemplates the provision of a toy which is very simple in construction whereby it can be manufactured and sold at a very nominal cost and designed to afford considerable amusement to children of tender years.

More specifically stated, the invention contemplates the provision of a toy embodying a bladed wheel mounted for rotation upon a bell carried by one end of a handle, so that the wheel can be rotated by being forced through the air, or by being blown upon by the user, means for sounding the bell as the wheel is rotated.

The nature and advantages of the invention will be better understood when the following detailed description is read in connection with the accompanying drawings, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawings forming part of this application, like numerals of reference indicate similar parts in the several views, and wherein:

Figure 1 is a view in elevation of the toy constructed in accordance with the present invention.

Figure 2 is a similar view partly in section.

Figure 3 is an end elevation.

Figure 4 is a detail view of the bladed wheel and its associated parts.

Figure 5 is a detail view of the handle and bell separated from the wheel.

Referring to the drawing in detail, 10 indicates the handle of the toy which supports adjacent one end thereof, a bell 11. This bell surrounds one end of the handle and is provided with a longitudinal bore 12 to receive the shaft 13 of the bladed wheel above referred to, which wheel is mounted for rotation.

This wheel is formed of a disk like piece of metal or other suitable material split radially to provide a plurality of blades 15, and these blades can be bent at any desired pitch, so that the wheel can be easily rotated by blowing upon the wheel, or forcing it through the air holding the toy in one hand. Supported by the shaft or wheel is a pair of spaced parallel plates 16 and 17 respectively, and between these plates are mounted small disk like members 18 susceptible of sliding movement, so that as the wheel is rotated, the said disks are moved outwardly by centrifugal force and singly brought into contact with the inwardly disposed projection 20 of the bell thereby sounding the latter on every half revolution of the wheel. The plate 16 is provided with openings 21 adjacent the ends thereof, which openings coincide with openings 22 formed in the disk like members 19, while passed through these aligned openings are bendable lugs 24 formed by the adjacent terminals of the member 17, an arrangement which prevents the disk from being casually separated from the members and at the same time allowing them to move under the influence of centrifugal force as above stated. The toy is very simple in construction and is extremely sensitive so that it may be operated by children of very tender years, either by blowing upon the wheel or moving the latter through the air.

While it is believed that from the foregoing description the nature and advantages of the invention will be readily apparent, I desire to have it understood that I do not limit myself to what is herein shown and described and that such changes may be resorted to when desired as fall within the scope of what is claimed.

Having thus described the invention, I claim:

A toy comprising a handle, a concavo-convex sounding element provided with a central opening, a hollow head arranged centrally within the concavo-convex member and provided with a threaded shank which passes through the opening and engaged in the handle, the head being of a larger diameter than the shank and contacting with the concavo-convex element, a shaft journaled in the hollow head and projecting beyond the sounding element, and a wind wheel fixed to rotate with the shaft and a striking element carried by the shaft and adapted to engage the sounding element upon rotation of the wheel.

In testimony whereof I affix my signature.

CHARLES M. SHAILER.