Jan. 29, 1957 C. R. REYHER 2,779,129

WHIRLING TOYS

Filed June 16, 1953

Fig. 1.

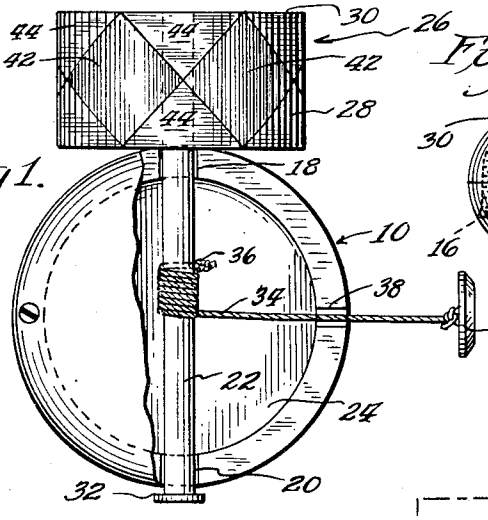


Fig. 2.

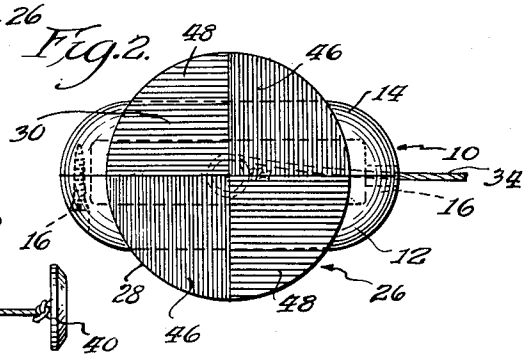


Fig. 3.

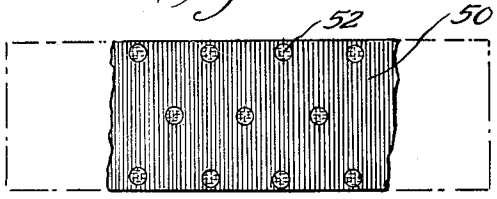


Fig. 4.

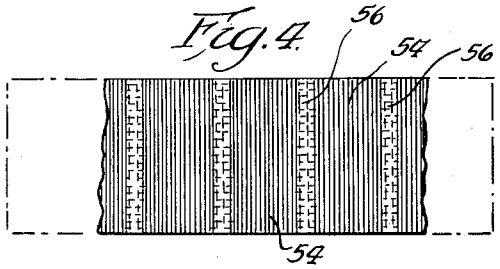
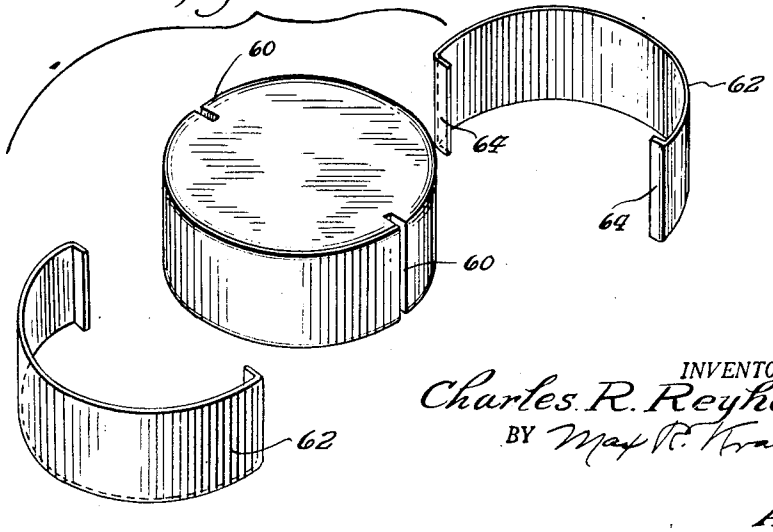


Fig. 5.



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WHIRLING TOYS

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1 Claim. (Cl. 46—49)

This invention relates to improvements in whirling toys.

One of the objects of this invention is to provide a manually operated whirling toy which is held in the hand and is caused to be rotated first in one direction by pulling outwardly on the string and then caused to rotate in the reverse direction upon release of the string, thus affording entertainment and play value for the child.

Another object of this invention is to provide a toy of the foregoing character in which the rotating or whirling body is provided with various color combinations and/or colored designs so that when said body is whirling the colors will blend to form a different color which is the combination of the several individual colors and/or in which the designs or patterns form different combinations of patterns when the whirling body is whirling.

Another object of this invention is to provide a toy of the whirling type in which the whirling body has means for removably securing thereto various different types of patterns and/or color combinations as desired.

Another object of this invention is to provide a very simple and inexpensive toy which will provide amusement and play value for the child.

Other objects will become apparent as this description progresses.

In the drawings:

Fig. 1 is a side view with a part broken away showing this invention.

Fig. 2 is a top plan view thereof.

Fig. 3 is a view of a modified strip adapted for securement to the whirling head.

Fig. 4 is a view of another modified form of strip for replacement in the whirling head, and

Fig. 5 is an exploded perspective view of a modified form of whirling head and replaceable strips adapted to be secured thereto.

The toy comprises a body portion generally indicated at **10**, substantially of pancake shape, formed of two half sections **12** and **14** suitably secured together by screws or the like, as indicated at **16**. Each half section has a pair of alined semi-circular openings **18** and **20** so that when the sections are secured together a pair of alined annular openings are provided to receive the rotatable spindle generally indicated at **22**. The body **10** is hollow as indicated at **24**.

Fixedly secured to the top of the spindle **22** is a drum shaped head generally indicated at **26** provided with an annular wall **28** and a flat top portion **30**. The spindle extends below the bottom of the body holder and has a ring **32** thereon to secure same against removal. A flexible cord **34** has one end permanently secured to the spindle interiorly of the hollow body as at **36** and said flexible cord extends through a side opening **38** in the side of the holder. The opposite end of the cord which passes through the body of the holder is fastened to a button **40**.

The annular wall **28** of the head as shown in Figs. 1 and 2 is painted or provided with a plurality of spaced diamond shaped designs indicated at **42** which may be colored red for example, with intermediate triangular

shaped designs **44** which are colored blue for example. The top **30** of the head, best shown in Fig. 2, is provided with four quadrant designs, two of which are colored red as indicated at **46** and two of which are colored blue as indicated at **48**.

The toy is operated similar to whirling toys well known in the art so that when the string **34** which has been wound on the spindle **22** is pulled outwardly at the button end **40**, the string will be caused to unwind from the spindle and the drum head **30** which will simultaneously rotate in one direction. Upon releasing the button and permitting the string to return to its initial position, the string will be wound upon the spindle and this action will cause the spindle and head to rotate in a reverse direction. By holding the toy body **10** with one hand and pulling out on the string and then releasing it, the head rotates first in one direction and then in the other.

The rotation of the head will cause the individual colors on the annular side wall and on the top of the head to blend and combine and form a color which is a combination of the two colors. In the illustration shown in Fig. 1 the color that will appear when the head is whirling in either direction will be a combination of blue and red which is purple.

Figs. 3 and 4 are illustrations of other types of designs or color combinations which may be used either on the side or top of the rotatable drum. In Fig. 3 is shown a strip which is colored red, as indicated by the numeral **50** but which has a plurality of spaced yellow spots indicated by the numeral **52**. When the drum is rotating with such a color combination the color to appear will be orange. In Fig. 4 is shown another modified form of color strip in which the numerals **54** indicate strips of red coloring separated by narrower strips of yellow coloring **56**. When the head is whirling the combined color scheme will appear as orange.

In Fig. 5 I have shown a modified form of construction of a head in which the head **58** which is of drum shape similar to that shown in Figs. 1 and 2 is provided with a pair of opposed slots **60**. A pair of semi-circular shaped strips **62** having inwardly bent ends **64** are adapted to be secured to said drum head with the ends being secured in the slots **60**. It will be understood that the faces of said semi-circular strips are colored in various combinations and with various designs along the lines heretofore described. With the construction shown in Fig. 5, it will be understood that the strips **62** may be removed and replaced by other color combination strips and/or designs. While the strips may be precolored in various color combinations, it will be understood that they may be uncolored and the child may make such color combinations as he desires and paint them on the strips. While we have shown one type of head with removable and replaceable strips, it will be understood that the strips **62** may be formed of one continuous piece and may be secured in one of the slots or other means may be provided for detachably securing the strip to the head.

It will also be understood that this invention is not limited to the specific colors and designs shown by this invention.

It will be understood that various changes and modifications may be made from the foregoing without departing from the spirit and scope of the appended claim.

I claim:

In a whirling toy of the character described comprising an enclosed body member adapted to be held in the hand, a spindle rotatably secured in said body, a drum head horizontally mounted on said spindle exteriorly of said body, said drum head having a horizontal portion and an annular vertical portion, a flexible cord having one end secured to said spindle interiorly of said enclosed

body with the opposite end thereof extending exteriorly of said body, a strip adapted to be detachably secured to said annular vertical portion, said strip having a plurality of various colors so constructed and arranged that when said drum is rotating said colors will blend to form a single color the combination of the various colors, said annular vertical portion having spaced vertical slots to detachably receive said strip.

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