May 2, 1967 C. M. KING 3,316,671

WHIRLING SOUND-MAKING TOY

Filed July 29, 1964

Fig. 1.

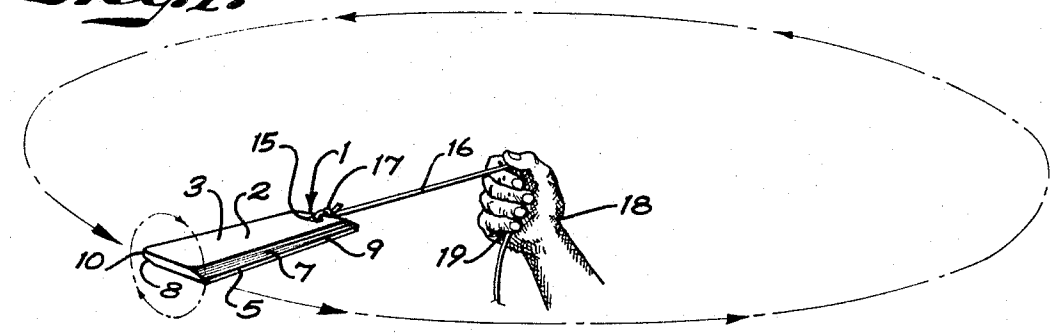


Fig. 2.

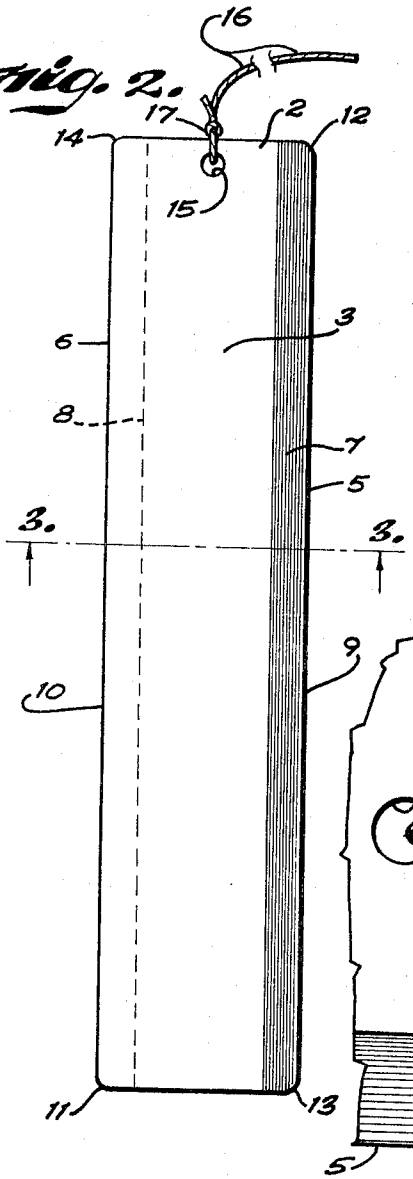


Fig. 3.

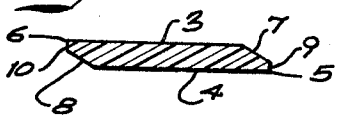
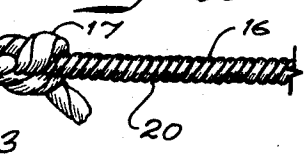


Fig. 4.



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United States Patent Office 3,316,671 Patented May 2, 1967

3,316,671

WHIRLING SOUND-MAKING TOY

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Filed July 29, 1964, Ser. No. 385,863
1 Claim. (Cl. 46—52)

This invention relates to a sound-making amusement device and more particularly to an animated amusement device adapted to make an audible sound when in use.

Many attempts have been made to make or devise a simple amusement device of this character in which a thin rectangular piece of material is connected by means of a cord for rapid rotation of the rectangular piece of material to produce a humming noise for amusement purposes.

It is the principal object of the present invention to provide a simple amusement device of this character comprising a relatively thin rectangular shape piece of material such as plastic, metal, wood or the like, to which is directly attached a cord for swinging the rectangular piece of material around the body of the user or above the head of the user to produce the whirling action and humming noise, and various antics of the rectangular piece during such movement.

Other objects of the present invention are to provide the body or wing member of the amusement device with beveled edges, diametrically opposite each other on the wing portion to provide airfoil surfaces to aid in affecting rotation of the wing as it is swung through the air; to provide an opening transversely through one end of the wing member to which one end of a cord is attached and the other end of the cord being grasped by the hand of the user for manipulation of the amusement device, and to provide a device of this character simple and economical to manufacture.

Other objects and advantages of this invention will become apparent from the following description taken in connection with the accompanying drawings wherein are set forth by way of illustration and example certain embodiments of this invention.

FIG. 1 is a perspective view of my invention showing the movement of the amusement device when in use.

FIG. 2 is an enlarged side view of the wing of the amusement device.

FIG. 3 is a cross-sectional view taken on line 3—3, FIG. 2.

FIG. 4 is an enlarged fragmentary view of the cord attached to the body member particularly illustrating winding of the cord during manipulation of the toy.

Referring more in detail to the drawings.

1 designates an amusement device embodying the features of my invention consisting of a rectangular shaped wing member or body **2**, having side faces **3** and **4** and side edges **5** and **6**. The wing member is of the same thickness throughout and has one side edge beveled part way across as indicated at **7**, and the opposite side edge is also beveled as indicated at **8** shown in FIG. 3 and in dotted lines in FIG. 2, the bevel not being completely across the side edge, leaving straight side edges or plane surfaces **9** and **10** on opposite side edges of the wing member. The beveled portions extend into the side faces of the body as illustrated (FIG. 3). The four corners of the wing member are rounded slightly as indicated at **11**, **12**, **13** and **14**. One end of the body member **2** is provided with a transverse opening **15** spaced slightly from the end thereof and a cord **16** is provided of sufficient length to allow the wing member to be rotated in a substantially large circle around the head or body of the user. One end of the cord is tied in the opening **15** as indicated at **17** and the other end is grasped by the hand

18 of the user as indicated at **19** (FIG. 1). In FIG. 4 the axial twisting of the cord is illustrated at **20** which is due to holding tightly to the cord by the hand **18** while the body wing member rotates.

I have found that the beveled opposite side edges of the wing member, not going clear across such side edges to the opposite corner, but leaving the straight edges **9** and **10** along the side edges, creates a different movement through the air than wing members where the beveled edge does go from one corner to the other of the side edges. The wing member is of the same thickness throughout rather than being tapered which also provides a smoother action and straighter humming vibration than otherwise heretofore devised.

By attaching the cord directly to the end of the wing member instead of swivelly attaching the same thereto a greater rotative action is provided due to the cord winding up during rotation. When the cord is held tight in the hand, the cord will wind upon rotation and thus create a greater rotation of the wing member and greater noises than with a swiveled action device. When the cord is wound tightly swinging the wing member in the opposite direction greatly enhances the rotating action of the wing member and produces a very much more pronounced humming noise. When the direction of swing of the amusement device is reversed with the cord wound the plan of swing of the wing member is changed.

It will be obvious from the foregoing that I have devised an improved amusement device wherein the rotating and vibrating action is enhanced by use of a cord tied directly to the wing member having the particular beveled edges hereinbefore described.

It is to be understood that while I have illustrated and described one form of my invention, it is not to be limited to the specific form or arrangement of parts herein described and shown except insofar as such limitations are included in the claim.

What I claim and desire to secure by Letters Patent is:

A sound-making amusement device comprising,

(a) a rectangularly shaped body member having plane side faces and side edges, a portion of said side edges having plane surfaces, each of said side edges having a beveled portion extending partially across said side edges and throughout the longitudinal length of said body member, the beveled portion on one side edge extending into a portion of one side face and the beveled portion on the other side edge extending into a portion of the other side face, and said body member having an opening transversely through one end thereof, and

(b) a cord having one end non-rotatably attached to said body member through said opening, whereby the free end of said cord may be held by the hand of a user to whirl said wing member around said user and through the air in a circular motion to cause the same to whirl as it is swung causing a humming noise, and whereby said cord is axially twisted during swinging of the wing member in one direction and reversal of swing of the wing member to the other direction enhances rotation of said wing member and enhances the humming action thereof.

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