Jan. 11, 1927. 1,613,982

I. E. COHN

WHISTLE PINWHEEL

Filed March 25, 1926

Fig. 1.

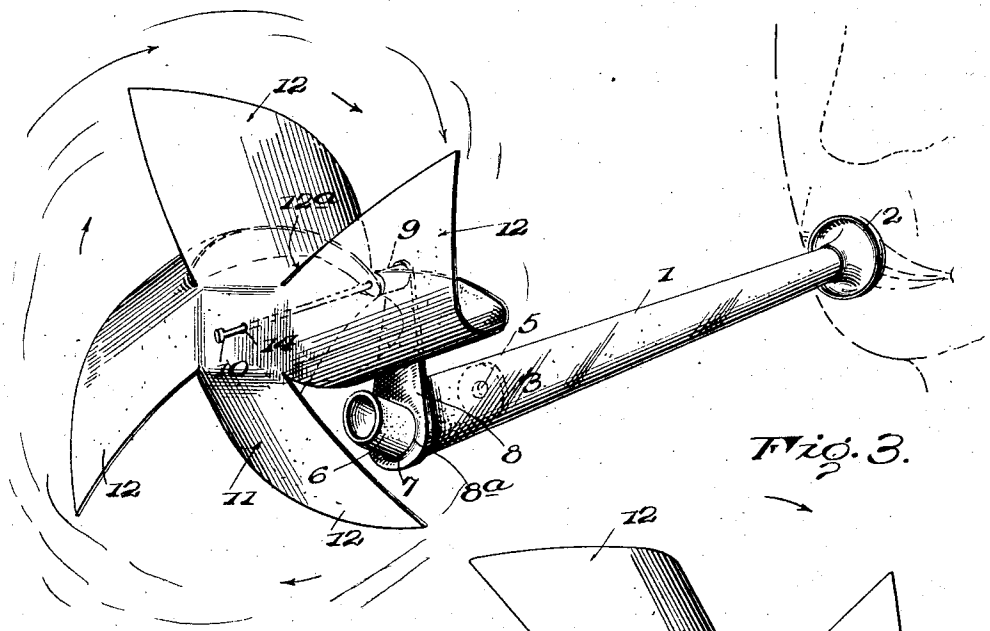
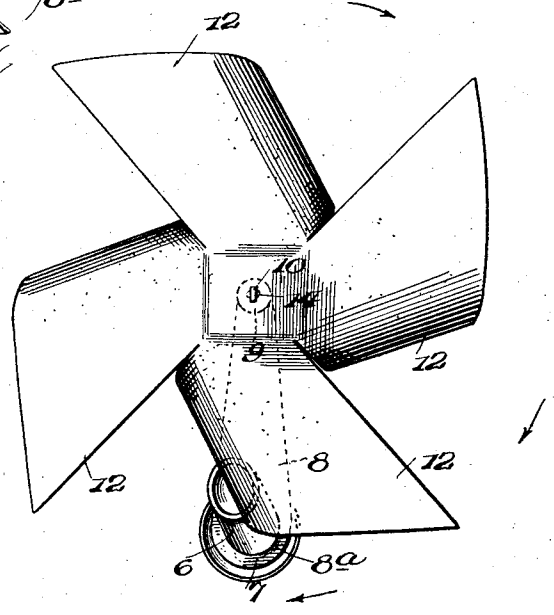


Fig. 3.



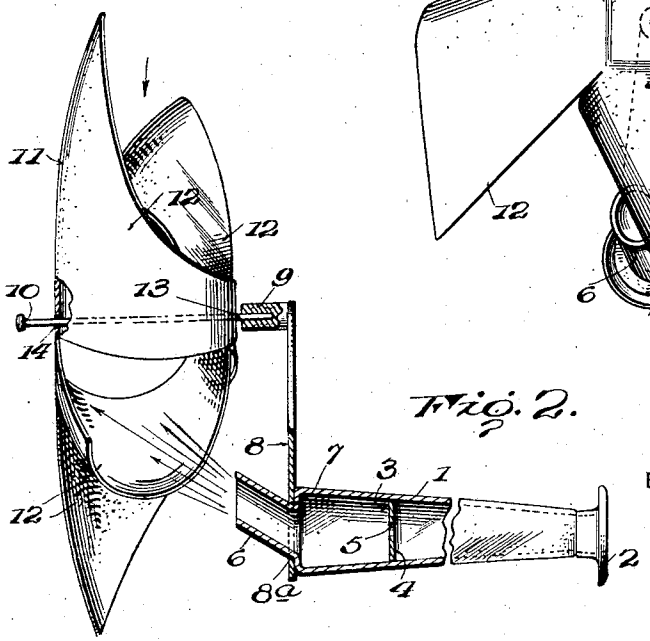


Fig. 2.

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UNITED STATES PATENT OFFICE.

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WHISTLE PIN WHEEL.

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This invention relates to a whistle pinwheel.

The object of the invention is to provide a whistle pinwheel wherein the whistle is sounded and the pinwheel is rotated or driven by the single act of blowing the breath. This has the advantage not only of positively rotating the pinwheel but of accompanying this entertaining and interesting action with the sounding of a whistle.

A further object is to provide a device of this character which is of simple and durable construction, entertaining and amusing in operation and easy and comparatively inexpensive to manufacture.

Other objects and advantages reside in certain novel features of the construction, arrangement and combination of parts which will be hereinafter more fully described and particularly pointed out in the appended claim, reference being had to the accompanying drawings forming a part of this specification, and in which:

Figure 1 is a perspective view showing an embodiment of the invention,

Figure 2 is a view thereof in side elevation, parts being shown in longitudinal central section for the sake of illustration, and

Figure 3 is a view showing the invention in front elevation.

Referring to the drawings the numeral 1 designates an elongated tubular body having a mouthpiece 2 at one end. Adjacent the end of the body opposite the mouthpiece 2 a whistle 3 is provided, the whistle 3 being set and secured within the tubular body 1. The whistle 3 may be of any suitable construction but is shown as consisting of a resonant wall or partition 4 having its periphery fastened to the inner periphery of the tubular body 1 and having a central aperture 5. The end of the body adjacent the whistle is provided with a discharge nipple 6 having one end mounted upon and secured to the tubular body 1 by means of a connecting portion 7. The nipple 6 inclines upwardly, outwardly and laterally from the tubular body 1 as will be apparent from Figs. 2 and 3 of the drawings.

The tubular body 1 carries a laterally extending supporting arm 8 which is provided with an opening 8^a fitting over the nipple 6. The portion of the arm 8 around the opening 8^a is fastened to the body 1 and to the connecting portion 7 in any suitable way as, for instance, by means of a suitable adhesive or by welding. It is to be understood that the connecting portion 7 may be suitably secured to its body 1 or to the nipple 6 or may be integral with these parts.

At its outer end the arm 8 has secured thereto a stud or boss 9 in which a pin 10 is supported, the pin 10 constituting the axis of a pinwheel, the wheel of which is designated generally at 11. The wheel 11 may be constructed from a single sheet of colored celluloid cut as indicated at 12^a, and having one corner of each of its sections 12 bent around and the bent over corners are fastened by means of the pin 10 which is passed through apertures 13 in said ends or corners. The passage of the pin 10 through the apertures 13 and the opening 14 provided in the central portion of the pinwheel affords the pinwheel a free and easily rotatable support upon the pin 10. The sections 12 are thus constituted to afford the pinwheel with vanes and the discharge nipple 6 is inclined so as to direct any air passing therethrough against the vanes in such manner as to tend to rotate the vanes. In other words the air instead of flowing in a direction parallel to the axis of rotation of the pinwheel is directed approximately tangentially or circumferentially thereof. The user of the device may apply the lips to the mouthpiece 2 and sound the whistle 3 and this simultaneously results in an actuation of the pinwheel since the air which is blown through the tubular body portion 1 to sound the whistle 3 passes through the aperture 5 of the whistle and out through the discharge nipple 6 and against the vanes of the pinwheel, thereby causing rotation of the pinwheel.

The tubular body portion 1 and its nipple 6 as well as the mouthpiece 2 may be constructed of celluloid, which may be colored differently to enhance the attractive appearance of the device. The arm 8 and its boss 9 may be constructed of celluloid or other suitable composition.

I claim:

In a device of the character described, a tubular body portion having an upwardly, outwardly and laterally inclined nipple at one end, an arm carried by and extending at right angles to the tubular body portion adjacent said nipple, and a pinwheel having its pin extending parallel to the tubular body portion and supported upon said arm, the air issuing from the discharge nipple impinging upon the vanes of the pinwheel to cause the pinwheel to rotate.

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