No. 680,703. Patented Aug. 20, 1901.

C. S. DEVANEY.

TOY.

(Application filed Apr. 25, 1901.)

(No Model.)

Fig. 1.

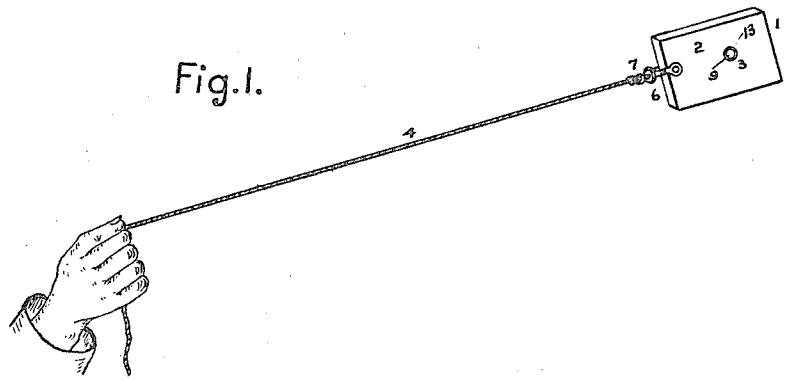


Fig. 2.

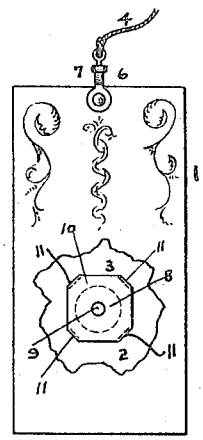


Fig. 3.

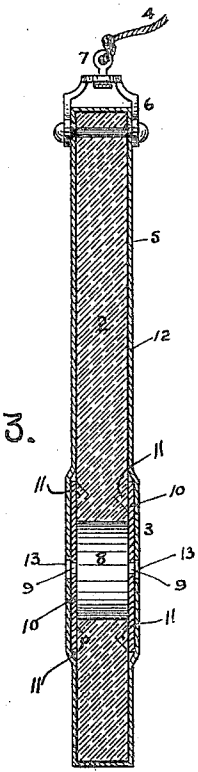
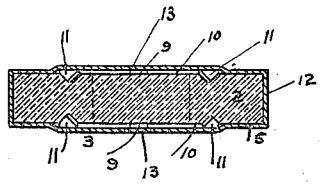


Fig. 4.



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UNITED STATES PATENT OFFICE.

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TOY.

SPECIFICATION forming part of Letters Patent No. 680,703, dated August 20, 1901.

Application filed April 25, 1901. Serial No. 57,407. (No model.)

To all whom it may concern:

Be it known that I, CHARLES S. DEVANEY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys; and it has for its object to provide an improved toy or so-called "whizzer" which will be amusing and instructive in use and simple, inexpensive, and indestructible in construction.

In the drawings, Figure 1 is a perspective view illustrating my improved toy or whizzer in use. Fig. 2 is a face view of the body portion of the same with the covering or casing broken away to show the construction. Fig. 3 is a detail longitudinal sectional view of the same. Fig. 4 is a detail transverse sectional view of the same.

Corresponding parts in all the figures are denoted by the same reference characters.

Referring to the drawings, 1 designates my improved whizzer, which consists in the main of a body portion 2, which carries an air-operated sound-producing device 3 and a flexible operating cord or device 4. In use the body portion 2 is whirled rapidly in the air by means of the cord 4, causing a combined whirring and whistling sound, which results from the operation of the air upon the body portion and the sound-producing device.

In the preferred form of construction the body portion 2 consists of a flat, elongated, and relatively broad plate or disk 5, with one end of which, as at 6, the cord 4 is connected, preferably by means of a swivel 7, which permits free rotation of the plate or disk 5 relative to the cord 4.

The sound-producing device 3 embodies a chamber 8, which is formed approximately centrally within the plate or disk 5 and with which relatively small openings 9 communicate at opposite faces of the plate or disk 5. The openings 9 may be formed in separate plates 10, which inclose the chamber 8 at opposite faces of the plate or disk 5, and which openings are arranged in registration transversely of said plate or disk. The plates 10 are provided at their corners with integral prongs or projections 11, which extend angularly from the respective plates and may readily be forced into the plate or disk 5 to secure the plates 10 in operative position. The plates 10 are formed of flexible metal and are capable of vibration centrally at either side of the chamber 8.

The entire plate or disk 5, together with the plates 10, may be inclosed in a suitable covering, jacket, or casing 12, which fits the flat contour of the plate or disk 5 and is provided with small openings 13, which are formed in registration with the openings 9 in the plate 10, whereby air may freely circulate through said openings 13 and 9 and the chamber 8.

The covering, jacket, or casing 12 may be of textile material and configured or imprinted in a decorative manner to enhance the attractive appearance of the body portion 2. The covering 12 also serves as a protective padding to prevent injury to an object which may be struck by the body portion in operating the same by means of the cord 4.

The operation and advantages of my improved toy or whizzer will be readily understood. The cord 4 is grasped at its free end in the hand of the manipulator and a rapid circular swinging motion is imparted to the body portion, which motion causes a violent engagement of the body portion with the air and a circulation of the air through the openings 9 and the chamber 8 in the body portion. The body portion is caused to rotate or revolve in engagement with the air, and when the whirring sound ensues it is accompanied by the whistling sound produced by the passage of air through the openings 9 and the chamber 8, as will be readily understood. The vibratory nature of the plates 10 enhances this whistling sound in the manner of a reed. The combined whirring and whistling sounds are continued in an amusing and startling manner as long as the body portion is rapidly swung by means of the cord 4.

The toy is extremely simple and inexpensive in construction and may be operated by children without particular instruction, and its use is attended by healthful exercise of the arm of the person manipulating the same.

I do not desire to be understood as limiting myself to the particular details of construction, proportion, and arrangement of parts as specified, as it is manifest that I may con-

siderably vary and modify the same without sacrificing any of the operative effects of the device. I therefore reserve the right to all such variation and modification as properly falls within the scope of my invention and the terms of the following claims.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. An improved toy of the class described, comprising a flat body portion consisting of a disk or plate provided with a chamber and with two inclosing plates arranged at opposite faces of said disk or plate and having openings communicating with said chamber, and a flexible operating device connected with said body portion.

2. An improved toy of the class described, comprising a flat body portion consisting of a disk or plate provided with a chamber and with inclosing plates arranged at opposite faces of said disk or plate and provided with registering openings communicating with said chamber, said inclosing plates being formed of metal and provided with integral prongs constituting securing means for the same, and a flexible operating device connected with said disk or plate.

3. An improved toy of the class described, comprising a body portion consisting of a disk or plate provided with a chamber and with two inclosing plates arranged at opposite faces of said disk or plate and having openings communicating with said chamber, a flexible operating device, and a swivel interposed between said flexible operating device and said body portion.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

CHARLES S. DEVANEY.

Witnesses:
J. R. LITTELL,
L. DUANE.