No. 647,884. Patented Apr. 17, 1900.

# W. O. SILVEY.

## TOY.

(Application filed Aug. 9, 1899.)

(No Model.)

Fig. 1.

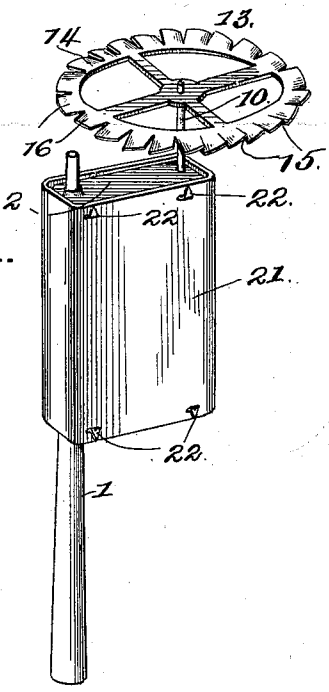



Fig. 2.

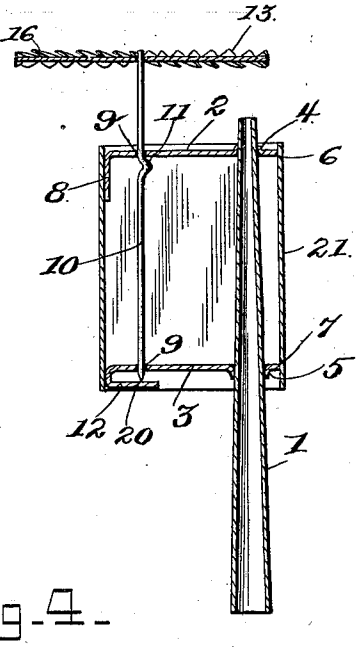



Fig. 3.

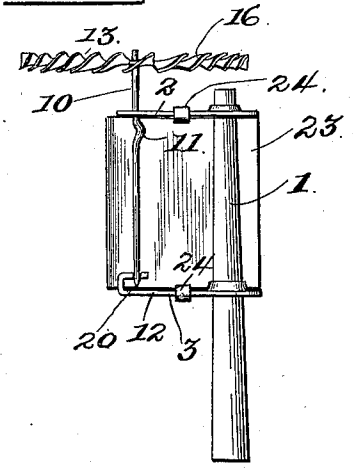
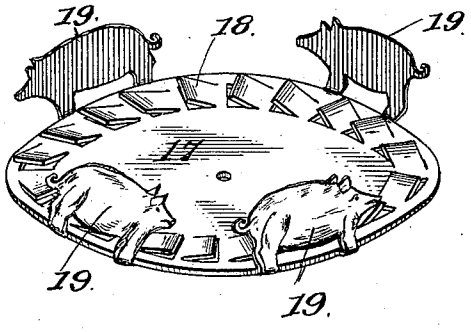



Fig. 4.




Witnesses
F. C. Allen.
Chas. S. Hoyer

W. O. Silvey. Inventors
By their Attorneys.
Cashow & Co.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

WILLIAM O. SILVEY, OF MIDDLEPORT, OHIO, ASSIGNOR OF ONE-HALF TO FREDERIC W. SCHREINER, OF SAME PLACE.

## TOY.

SPECIFICATION forming part of Letters Patent No. 647,884, dated April 17, 1900.

Application filed August 9, 1899. Serial No. 726,703. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM O. SILVEY, a citizen of the United States, residing at Middleport, in the county of Meigs and State of Ohio, have invented a new and useful Toy, of which the following is a specification.

This invention relates to toys, and particularly to devices of this character adapted for advertising purposes; and it has for one object to provide a toy which is pneumatically operated and attractive in its nature by creating a buzzing or whirring sound and to different parts of which advertising matter may be applied in various forms, the parts of the device being simple and effective and put together without the use of solder and can thereby be produced at a minimum cost.

Other objects and advantages will appear in the subjoined description and the novelty pointed out in the appended claims, embodiments of the improvement being illustrated in the accompanying drawings and susceptible of changes in the proportions, size, form, and minor details of construction without departing from the spirit of the invention, and in which—

Figure 1 is a perspective view of a toy embodying the features of the invention. Fig. 2 is a sectional view through the improved device. Fig. 3 is an elevation of the improved device, showing a slightly-different mode of applying advertising matter thereto. Fig. 4 is a detail perspective view of a wheel adapted for use on the improved device and carrying animals for advertising purposes.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numeral 1 designates an elongated tapered tube, on which are mounted a pair of arms 2 and 3, openings being formed in each of said arms adjacent one end and the metal struck out to provide integral bearing-seats 4 and 5, which closely fit the said tube and avoid the necessity for the use of solder in connection with said parts. The terminals 6 and 7 of the said arms 2 and 3 adjacent the seats 4 and 5 stand out from the portions of the tube which they are nearest, and the opposite terminal 8 of the arm 2 is bent at a right angle to the main body of the arm to provide a bearing, for a purpose which will be presently set forth. In the extremities of the arms 2 and 3 farthest from the seats 4 and 5 openings 9 are punched or otherwise formed to receive a wheel-spindle 10, having an intermediate bend 11 inside of the arm 2 and its opposite end covered by bending the extremity 12 of the arm 3 over upon the latter a suitable distance. By this means the spindle 10 is prevented from having endwise movement, so that a wheel 13 on the projected end thereof will always bear approximately the same relation as to distance from the arm 2 to the reduced end of the tube 1. This reduced end of the tube 1 is directed toward the periphery of the wheel 13, and, as shown by Figs. 1, 2, and 3, the said wheel has a rim 14, provided with a series of radial slits 15, whereby spirally-arranged wings or blades 16 can be formed. The bend of the extremity 12 of the arm 3 may be made in either an outward or an inward direction, as shown in Figs. 2 and 3, and the length of the tube 1 will depend upon the proportions of the device as an entirety; but under all circumstances the enlarged end thereof will stand far enough away from the arm 3 for convenience for insertion in the mouth of the operator of the toy. Instead of the wheel shown by Figs. 1, 2, and 3 the wheel illustrated by Fig. 4 may be used, and it consists of a disk 17, having a series of wings or blades 18 outstanding from one side adjacent the periphery, and in a plane at right angles to the latter a series of animals 19 can be fixed, or other forms might replace the latter.

In the operation of the device air is impelled through the tube 1 and driven forcefully against the wheel 13 or the similar device shown by Fig. 4. This causes the spindle 10 to be rotated with the wheel in the arms 2 and 3, which serve as bearings, and the rapid rotation of the said wheels sets up a buzzing or whirring sound, which can be varied by changing the shape or direction of the wings or blades and attracts attention as well as affords amusement. To prevent retardation of the movement of the spindle 10, the end thereof held in the bent extremity of the arm 3 is reduced or pointed, as at 20, and the bend 11 at an intermediate point of the

spindle prevents disconnection of the latter from its arms by the forceful impact of the air coming from the tube 1.

The arms 2 and 3, having their extremities and terminals arranged as specified, supply convenient means for applying advertising matter to the improved device. As shown by Figs. 1 and 2, one preferred means will consist of a card 21, which is wrapped around the said arms and held by spurs 22, inserted through the card adjacent opposite edges and bent over or upset. These spurs 22 will be preferably formed as a part of the opposite edges of the said arms, and the card may contain advertising matter starting adjacent one end and reading consecutively toward the opposite end, and thus appear in portions on opposite sides of the device. As shown by Fig. 3, a plate 23 is held on the arms 2 and 3 by bendable clips 24, which surround portions of the said arms, the clips being formed integral with the plate 23 and the latter having the advertising matter on the exterior face thereof. On the outer sides of the animals, on the wheel shown by Fig. 4, advertising matter may also be applied, and by means of the several modes of advertising, in connection with the improved device and the cheapness of the construction of the same, will make it possible for a dealer or merchant to use the improved toys as gifts and have thereon applied or imprinted any preferred advertising matter. The improved device is adapted for general advertising purposes, and aside from its advertising advantages may be suitably ornamented and embellished with pleasing designs and configurations and used solely as a toy.

The wheel 13 and the analogous device shown by Fig. 4 can be made of metal or paper or any other suitable material, and the entire device will be found very effective and particularly advantageous for its intended purpose.

Having thus described the invention, what is claimed as new is—

1. In a device of the character set forth, the combination of an elongated tube, a pair of arms directly mounted thereon and projecting at right angles therefrom in parallel planes, a spindle rotatably bearing in the extremities of said arms and extending partially through a plane approximately parallel with and to one side of the said tube, the inner end of the spindle being held by a bent extremity of the adjacent arm and formed with a bend near the other arm, and a wheel fast to the outer end of the spindle and arranged in advance of the outermost arm in a plane at right angles to the reduced end of the tube, the said latter end of the tube being in a line with a portion of the wheel at one side of the center of the latter.

2. In a device of the character set forth, the combination of a tube, a pair of arms supported thereon and extending in parallel planes therefrom, a spindle rotatable in the said arms, the inner end of the spindle being held by a bent extremity of the adjacent arm and formed with a bend near the other arm, a wheel fast on the outer end of the spindle in operative relation to the outer end of the tube, and an inclosing device completely covering the space between the arms and the outer terminals of the latter and the tube, said inclosing device being connected to the arms and presenting exterior plain faces.

3. In a device of the character set forth, the combination of a tube, a spindle rotatably supported to one side thereof and in a plane parallel therewith, and a wheel for the spindle having outstanding blades near the periphery and peripherally-located forms arranged in planes at an angle to the outer face of the wheel, one end of the tube being directed toward the inner faces of said blades at a point between the center and the periphery of the same.

4. In a device of the character set forth, the combination of a tube, a pair of arms mounted thereon and having bearing-seats to fit closely against said tube and also provided with openings and a bent-over extremity, a spindle rotatably mounted in said openings and having an intermediate bend, one end of the spindle having bearing against the bent-over extremity and held thereby against longitudinal movement and a wheel on the said spindle provided with blades in line with one end of the tube.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM O. SILVEY.

Witnesses:
GAREN H. STANSBURY,
C. J. ADKINS.