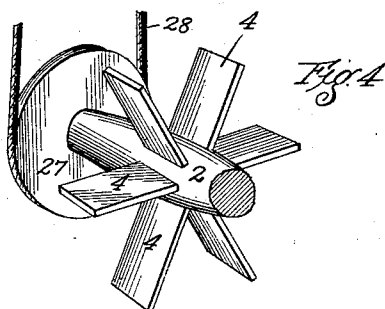
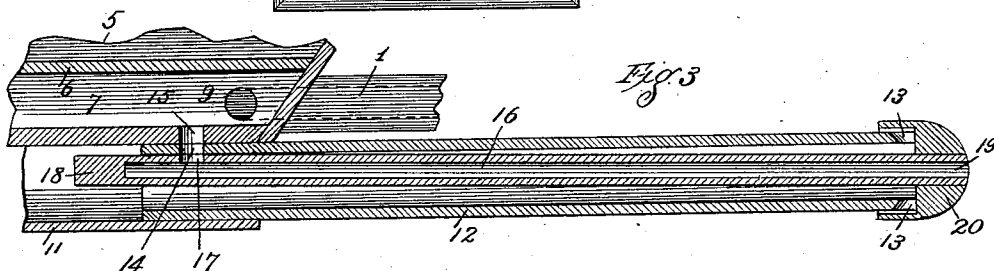
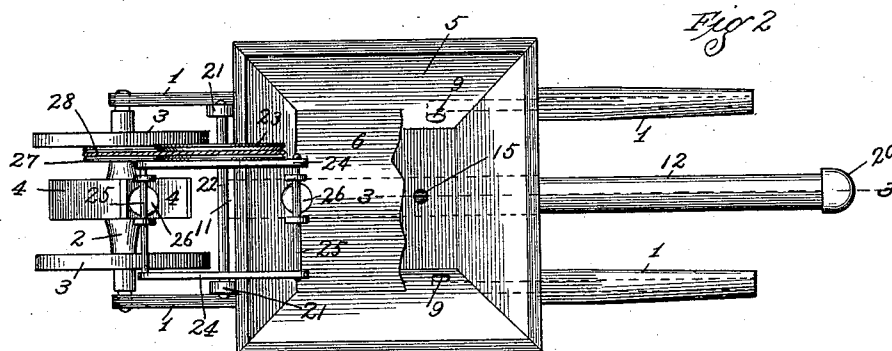
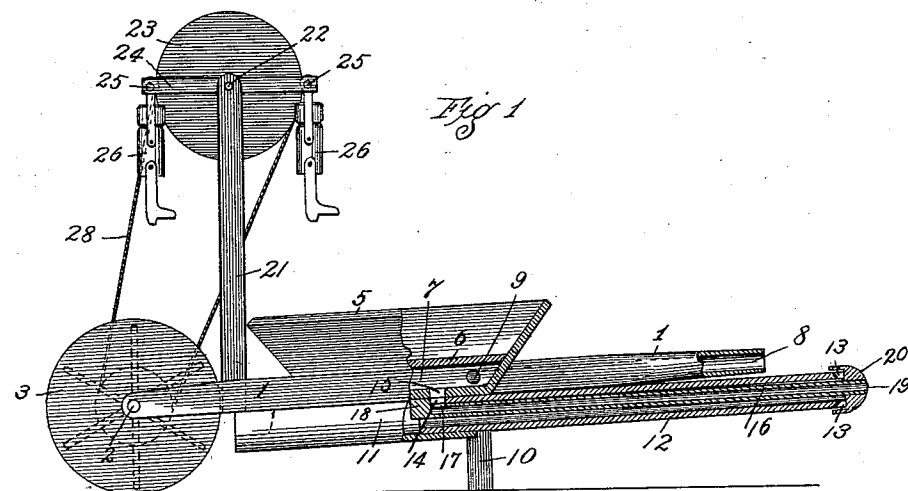


(No Model.)

A. RICK, Jr.
TOY.

No. 541,011.

Patented June 11, 1895.



Attest:
John L. Sumner,
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UNITED STATES PATENT OFFICE.

AUGUST RICK, JR., OF ST. LOUIS, MISSOURI.

TOY.

SPECIFICATION forming part of Letters Patent No. 541,011, dated June 11, 1895.

Application filed January 7, 1895. Serial No. 534,098. (No model.)

To all whom it may concern:

Be it known that I, AUGUST RICK, Jr., of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Toys, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to an improved toy, and consists in the novel construction, combination and arrangement of parts, herein-after described and claimed.

The object of my invention is to construct a toy that will afford amusement for the young, said toy to possess a trick feature, said trick feature being accomplished whenever an attempt is made to operate the toy by an inexperienced person.

In the drawings, Figure 1 is a side elevation of a toy constructed in accordance with my invention, parts thereof being broken away to more clearly illustrate the same. Fig. 2 is a top plan view of my improved toy, a portion thereof being broken away to more clearly illustrate the same. Fig. 3 is an enlarged longitudinal sectional view taken, approximately, on the indicated line 3 3 of Fig. 2. Fig. 4 is a view in perspective of a fan-wheel of which I make use in carrying out my invention.

The main portion of my improved toy has the appearance of an ordinary wheel-barrow. 1, 1 indicate the handles of the toy, the same having journaled in their forward ends an axle 2, upon which is rigidly fixed wheels 3, there being fixed to the axle 2 between said wheels a plurality of blades or paddles 4, thus forming a fan-wheel.

Located between and fixed to the handles 1 at a point midway between the ends thereof is a rectangular open topped box 5, the same being constructed with a false bottom 6, thereby forming a receptacle or space 7 between the true and the false bottom of the open topped box 5.

Extending longitudinally within the handles 1, 1 and communicating with the ends thereof opposite the ends upon which the axle 2 is journaled are bores 8, the same communicating with the space 7 through apertures 9 formed in the sides of the open topped box

5 and between the false and true bottoms of said box.

10 indicates the legs of the toy, the same being fixed to the handles 1, 1 and extend downwardly therefrom. Fixed to the under side of the open topped box 5 is an open ended tube 11, the forward end of which is adjacent the blades or paddles 4 forming the fan-wheel previously mentioned. Adapted to slide in the other end of this tube 11 is a tube 12, the same extending to a point slightly beyond the rear ends of the handles 1 and provided in its rear end with V-shaped notches 13. An aperture 14 is formed in the forward end of this tube 12 and coincides with an aperture 15 formed in the true bottom of the open topped box 5. Extending through the tube 12 is a tube 16, the same being of a diameter less than is the interior diameter of the tube 12. The forward end of this tube 16 is provided with an aperture 17 that registers with the coinciding apertures 14 and 15. The forward end 18 of this tube 16 is closed and the rear end 19 thereof extends to a point beyond the rear end of the tube 12 where it is provided with a semi-circular tip 20, the flat face of which lies directly against the end of the tube 12 and the V-shaped notches 13 formed therein.

Fixed to and extending vertically upward from the handles 1, 1 between the forward edge of the open topped box 5 and the forward ends of said handles are upright bars 21, the same having journaled in their upper ends a shaft 22. Mounted upon this shaft 22 is a grooved wheel or pulley 23 and a pair of parallel cross-bars 24. Journaled in the ends of these cross-bars 24 are rods or shafts 25, pivoted upon which are jointed toy figures 26, the same representing performers upon the horizontal bar.

Mounted upon the axle 2 adjacent one of the wheels 3 and in alignment with the grooved wheel or pulley 23 is a grooved wheel or pulley 27. Passing around these grooved wheels or pulleys 23 and 27 is a cord 28, performing the function of a belt.

The space 7 between the false and true bottoms of the open topped box 5 is designed to hold ordinary flour, starch, or analogous powdered substances. Whenever the axle 2 is

rotated by reason of a blast of air from the tube 11 onto the fan-wheel, or by frictional contact of the wheels 3 with a flat surface when the toy is moved over said surface, the
 5 grooved wheel or pulley 27 mounted upon said axle will necessarily be rotated and the cord 28 running over said pulley communicates rotary motion to the grooved wheel or pulley 23 that is rigidly mounted upon the
 10 shaft 22 journaled in the top ends of the uprights 21. With the movement of the shaft 22 the parallel cross-bars 24 will necessarily revolve, thus causing the toy figures 26 swung from the cross-bars or rods 25 to turn, revolve
 15 and rotate in an entertaining and amusing manner.

The trick feature of the toy lies within the hollow handles 1 and tubes 12 and 16, together with the space 7 between the true and
 20 false bottoms of the open topped box 5, and is accomplished in the following manner:

A person acquainted with the operation of the toy passes the tip 20 upon the end of the tube 16 and adjacent the end of the tube 12
 25 in the mouth in such a manner that the lips contact with the exterior of the tube 12 at a point past the V-shaped notches 13 in the end of said tube 12. By now placing the tip of the tongue over the end 19 of the tube
 30 16 and blowing in the ordinary manner, a blast or draft of air will pass through the V-shaped notches 13, through the tubes 12 and 11 and be discharged directly upon the blades or paddles of the fan-wheel. This draft or
 35 blast of air being of sufficient volume will rotate the fan-wheel and other movable parts in the manner hereinbefore described. By this manner of blowing no draft or blast of air will pass through the tube 16 and to the space
 40 7 between the false and true bottoms of the open topped box 5.

When an attempt is made to operate the toy by an inexperienced person, said person will naturally put the tip 20 to his lips and not
 45 put the tip of the tongue over the end 19 of the tube 16. A draft or blast of air blown by said inexperienced person will pass directly through the tube 16, through the coinciding apertures 17, 14 and 15 and to the space 7 be-
 50 tween the false and true bottoms of the open topped box 5. Said draft or blast of air will necessarily agitate the powdered contents of the space 7 and from thence pass outwardly through the apertures 9 in the sides of the
 55 open topped box 5 and through the bores 8 in the handles 1. The draft or blast of air being laden with a portion of the contents

of the space 7 will be discharged directly from the ends of the handles 1 into the face of the inexperienced person. 50

A toy of this construction is ornamental, entertaining and amusing and can be produced at a minimum cost.

What I claim is—

1. A toy, comprising a pair of handles, the 65 rear ends of which are hollow, a motor-wheel having blades, an open topped box mounted upon said handles and having a false bottom, said hollow handles communicating with the space between the false and true bottoms, a 70 tube fixed to the underside of the open topped box and provided with V-shaped notches in its outer end, the forward end of which is arranged to direct a blast of air on said motor-wheel, and a tube extending longitudinally 75 within the first mentioned tube, the forward end of which communicates with the space between the true and false bottoms, said inner tube being provided on its end with a semi-circular tip, the flat face of which lies adja- 80 cent the end of the outer tube and the V-shaped notches therein.

2. A toy, comprising a pair of handles, the rear ends of which are hollow, an open topped receptacle provided with a false bottom lo- 85 cated upon said handles, the hollow ends of the handles communicating with the space between the false and true bottoms of said box, an axle journaled in the forward ends of the handles, a fan-wheel mounted on said 90 axle, a pair of upright bars fixed to the forward ends of the handles, a shaft journaled in the upper ends of said uprights, parallel cross-bars fixed to said shaft, cross-shafts in the ends of said parallel cross-bars, jointed 95 toy figures pivoted to said cross-shafts, suitable connections from the axle to the first mentioned shaft for operating the same, a tube fixed to the under side of the open topped receptacle and discharging at a point adjacent 100 the fan-wheel on the axle, a tube within said first mentioned tube, said inner tube communicating with the space between the false and true bottoms of the open topped box, the end of the outer tube being constructed with 105 notches, and a semi-circular tip upon the end of the inner tube adjacent the end of the outer tube and the notches therein.

In testimony whereof I affix my signature in presence of two witnesses.

AUGUST RICK, JR.

Witnesses:

E. E. LONGAN,
 JOHN C. HIGDON.