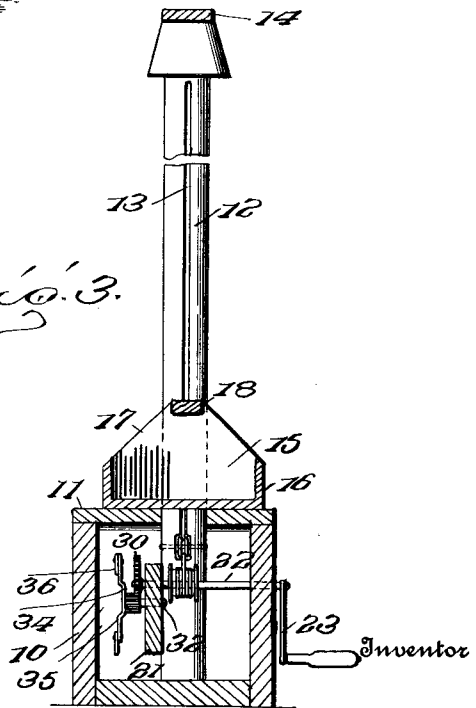
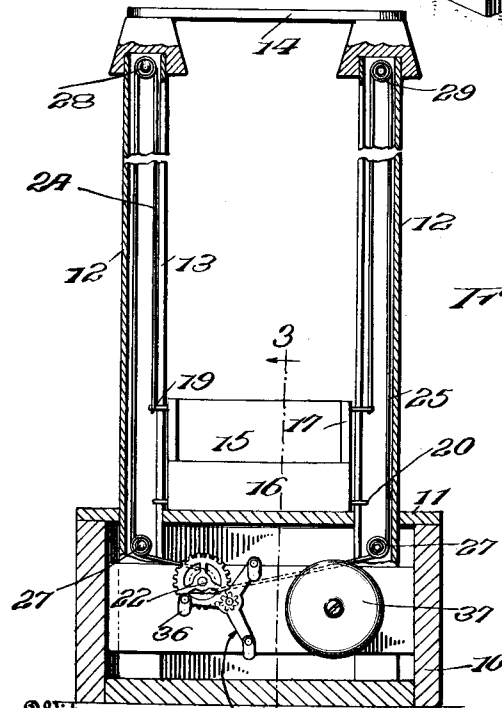
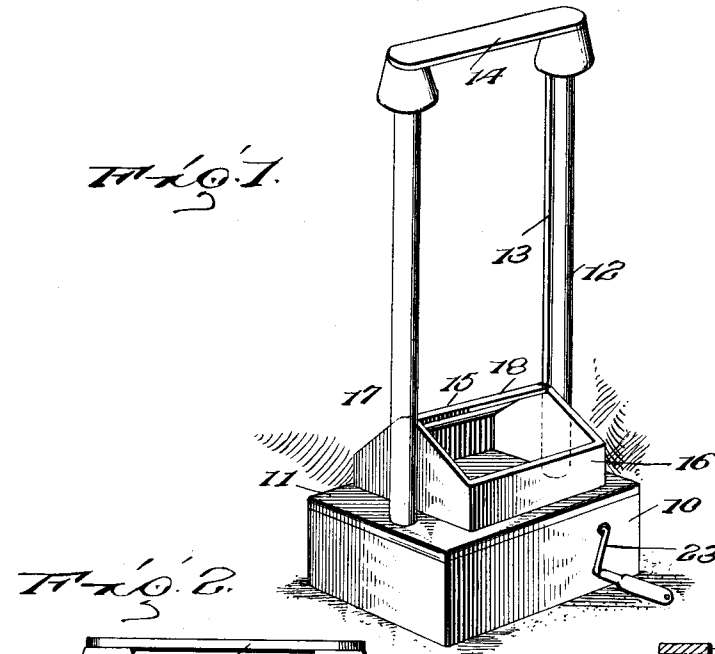


H. G. MOSCHERROSCH.
TOY ELEVATOR.
APPLICATION FILED JULY 2, 1912.

1,101,034.

Patented June 23, 1914.



Witnesses
H. G. Moscherrosch
Inventor

H. G. Moscherrosch
Attorney.

UNITED STATES PATENT OFFICE.

HARRY G. MOSCHERROSCH, OF APPLETON, WISCONSIN.

TOY ELEVATOR.

1,101,034.

Specification of Letters Patent.

Patented June 23, 1914.

Application filed July 2, 1912. Serial No. 707,396.

To all whom it may concern:

Be it known that I, HARRY G. MOSCHERROSCH, citizen of the United States, residing at Appleton, in the county of Outagamie and State of Wisconsin, have invented certain new and useful Improvements in Toy Elevators, of which the following is a specification.

My invention relates to new and useful improvements in toys and the object of my invention is to provide a toy elevator including a car which may be raised or lowered at will by the turning of a hand crank.

A further object of my invention is to provide a sounding device which will be operated continuously by the movement of the car. And a still further object of my invention is to improve the construction and increase the effectiveness of toys of the above described character.

With these and other objects in view, my invention will be more fully described, illustrated in the accompanying drawing, and then specifically pointed out in the claims which are attached to and form a part of this application.

In the drawing: Figure 1 is a perspective view of the toy; Fig. 2 is a central vertical section of the same, showing the operating mechanism; Fig. 3 is a section on the line 3—3 of Fig. 2, looking in the direction of the arrow.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

The preferred embodiment of my invention includes a base or casing 10, preferably rectangular in shape and formed of any suitable material such as wood and closed at its upper end by a cover 11. Extending vertically upward in parallel spaced relation from this base through the cover, are hollow cylindrical uprights 12 provided with longitudinally extending slots 13 and connected at their upper ends by a cross bar 14. Mounted for vertical movement between these uprights, is a car 15 including a body 16 having upwardly extended end walls 17, the upper end of which are connected by a brace 18. This car is mounted upon the uprights by means of eyes 19 extended laterally from the end walls and passed through the slots of the uprights and is held against swinging movement by a pin 20 carried by the lower portion of the

body of the car and extending through the slot of one of the uprights.

The uprights within the base or casing 10 are connected by a brace member 21 and journaled in suitable bearings formed in this brace member and in the front wall of the casing, is a shaft 22, one end of which extends in advance of the casing and is provided with a hand crank 23. Cords 24 and 25 are connected by their ends to the shaft and pass in opposite directions into the lower ends of the uprights over pulleys 26 and 27 mounted in the lower portions of the uprights and then upwardly and about pulleys 28 and 29 mounted in the upper ends of the uprights from which the free ends of the cords extend downwardly and are connected to the eyes 19 of the car. It will therefore be seen that upon the turning of the shaft 22 by the hand crank, these cords will be wound or unwound to raise and lower the car upon the uprights.

The opposite end of the shaft extends through the brace 21 and keyed upon this extended end, is a gear 30 which meshes with a pinion 31 carried upon a revolubly mounted stub shaft 32. Keyed upon this stub shaft, is a hammer wheel 33 including a body member 34 having radially directed arms 35, upon the free ends of which are pivoted hammers 36 which, upon rotation of the hammer wheel, swing outwardly in position to strike a gong 37 carried by the brace 17.

The turning of the shaft to raise and lower the car, as previously described, will act through the gear and pinion to rotate the hammer wheel at a high rate of speed and cause a practically continuous and uninterrupted sounding of the gong.

From the foregoing description, it will be apparent that I have provided a simple and effective form of toy elevator and one in which all movement of the car is accompanied by the sounding of a signal.

This toy may be made of wood, tin or any other suitable material, as preferred.

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

1. A toy including a base, hollow uprights extending vertically from the base and provided with longitudinal slots, a car having eyes extended through the slots and a pin extended through one slot to prevent swinging of the car, pulleys mounted in the up-

per and lower ends of the uprights, a shaft mounted in the base, cables secured by one end to the shaft and passed about the pulleys and secured by their free ends to the eyes, said cables being housed in the uprights, means for rotating said shaft, a signal device, and means operable by the rotation of the shaft for continuously sounding the signal.

10 2. A toy including a base, uprights, a car movable between the uprights, a shaft journaled in the base, means for rotating said shaft, means co-acting between the shaft and car whereby the rotation of the

shaft will raise and lower the car, a gear 15 mounted upon said shaft, a stub shaft, a pinion mounted upon the stub shaft and meshing with the first mentioned gear, a gong mounted in the base, and a hammer wheel mounted upon the stub shaft in operative position with respect to the gong. 20

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

HARRY G. MOSCHERROSCH. [L. s.]

Witnesses:

F. V. HEINEMANN,
ALBERT H. KINGMEIER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."