L. BACH & E. KÜBLER.

TOY.

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1,296,036. Patented Mar. 4, 1919.

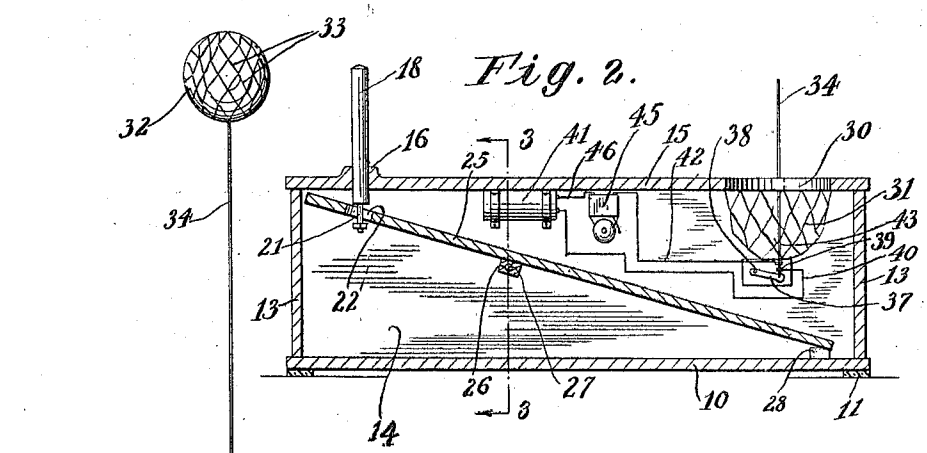


Fig. 2.

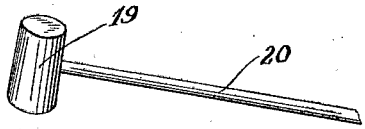


Fig. 1.

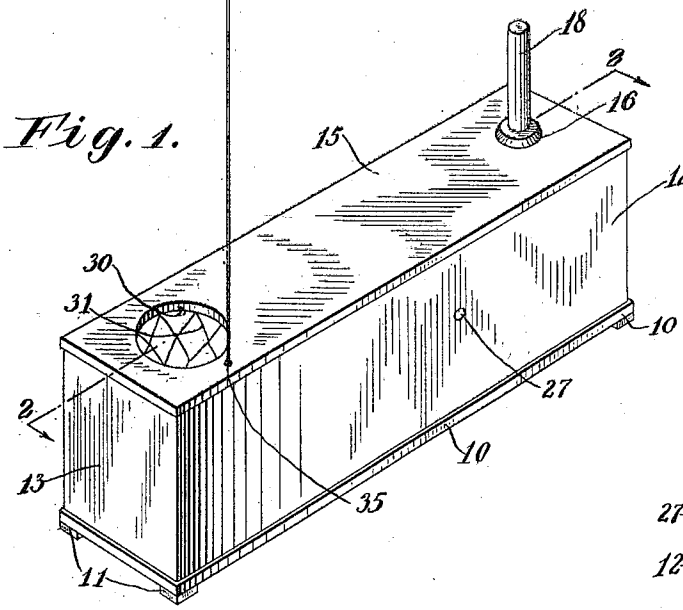
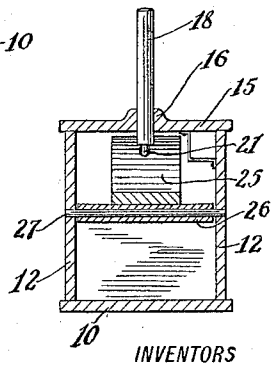


Fig. 3.



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TOY.

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To all whom it may concern:

Be it known that I, LEOPOLD BACH, a citizen of the United States, residing at New York, county of New York, and State of New York, and I, ELIAS KÜBLER, a subject of the Emperor of Germany, residing at New York, county of New York, 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 improvements in toys and particularly to types adapted to amuse young children.

The principal object of the invention is to provide a toy operated in a simple manner, whereby an element is expelled to a considerable distance, the same being flexibly attached to the body so that it may not become lost.

A further object is to provide means combined with the body of the toy whereby an audible sound is produced coincident with its operation.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawings, forming a material part of this disclosure, and in which—

Figure 1 is a perspective view showing a toy made in accordance with the invention.

Fig. 2 is a longitudinal sectional view taken on line 2—2 of Fig. 1, and

Fig. 3 is a transverse sectional view taken on line 3—3 of Fig. 2.

Referring to the drawings, the toy will be seen to consist of a base 10, resting upon corner supports 11, the base extending marginally beyond the sides 12 and ends 13, forming a hollow rectangular chamber 14, covered by a fixed plate 15, on which, near one end and centrally of the structure, is a boss 16, and passing through a central opening in the boss and plate 15, is a plunger 18, adapted to be struck with a light hammer or mallet 19, provided with a handle 20.

The lower end of the plunger terminates in a reduced stem 21, which passes through a slot 22 formed in a plate lever 25, this lever having attached to it a block 26 pivoted on a transverse pin 27, the block being positioned out of the center of the lever 25, its shorter end containing the slot 22. The opposite end of the lever 25 normally rests upon a flexible cushion 28, of rubber or the like, secured upon the inner surface of the base element 10.

In the opposite end of the cover plate 15, is a circular opening 30, and suspended immediately below is a flexible netting or bag 31 adapted to receive a sphere or ball 32 which freely passes through the circular opening 30, the ball being enveloped in a net 33, to which is attached a flexible cord 34, which passes downward through a perforation 35, formed in the cover plate 15, and is attached at one end to a lever 37 pivoted at 38.

The outer, free end of the lever 37 has engaged with it a contact 39, connected by the wire 40 to a battery 41, while a similar wire 42 is engaged with a fixed contact 43, carried on the bottom or lowest part of the bag 31 in the interior of the casing, the wire 42 engaging with one of the terminals of an ordinary electric bell 45, maintained in circuit with the battery 41 by a lead wire 46.

In operation, the plunger 18 being struck or otherwise suddenly depressed, causes the lever 25 to turn upon its pivot 27 raising the opposite lower end from its seat 28, and causing it to forcibly strike the ball suspended in the bag 31, forcing it upward and outwardly in accordance with the effect of the blow on the plunger 18.

Should the ball attain its extreme height so as to stress the cord 34, it will raise the lever 37, and form an electrical circuit between the contacts 39 and 43, including the bell 45, which is caused to ring indicating in a measure the force of the blow, and due to the weight of the lower portion of the lever 25, all of the several parts return to their normal position, the plunger 18 being expelled and upon replacing the ball 32 within the bag 31, the toy is again ready to be operated.

Having thus described our invention and set forth the manner of its construction and use what we claim as new and desire to secure by Letters Patent, is—

1. In a toy of the class described, the combination with a hollow rectangular casing, a lever pivoted therein, a plunger engaged with said lever adapted to be depressed by a blow, a flexible net extended below an opening in the top of said casing, and a ball passing through said opening normally resting in said net, said ball being adapted to be forcibly projected upon contact with the normally lower end of said lever upon the depression of said plunger.

2. A toy comprising a hollow rectangular

casing, having a cover, a lever pivoted in said casing at a point remote from its center, a plunger passing into said casing, engageable with the shorter end of said lever, a cushion upon which the longer end of said lever normally rests, a ball adapted to pass through an opening in the end of said cover, a netted bag suspended below the mentioned opening in which said ball normally rests, the longer end of said lever being adapted to strike and forcibly raise said ball upon the sudden descent of said plunger, and means for constraining the movement of said ball.

3. A toy comprising a hollow rectangular casing having a cover, a lever pivoted in said casing, a source of electrical energy in said casing, a bell in circuit therewith, a plunger movable through the cover of said casing engaged with one end of said lever, a net bag suspended below an opening in said cover, a ball adapted to seat in said bag and pass through said opening, a flexible cord engaged with said ball, a lever attached to the opposite end of said cord within said casing, and a contact on said lever, said lever making contact with said ball through said bag when depressed whereby said ball is ejected and a circuit formed through said bell.

In testimony whereof we have affixed our signatures.

LEOPOLD BACH.
ELIAS KÜBLER.

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