Feb. 17, 1925. 1,526,663

D. CAVICCHIOLI

TOY DEVICE

Filed Feb. 7, 1923

Fig. 1,

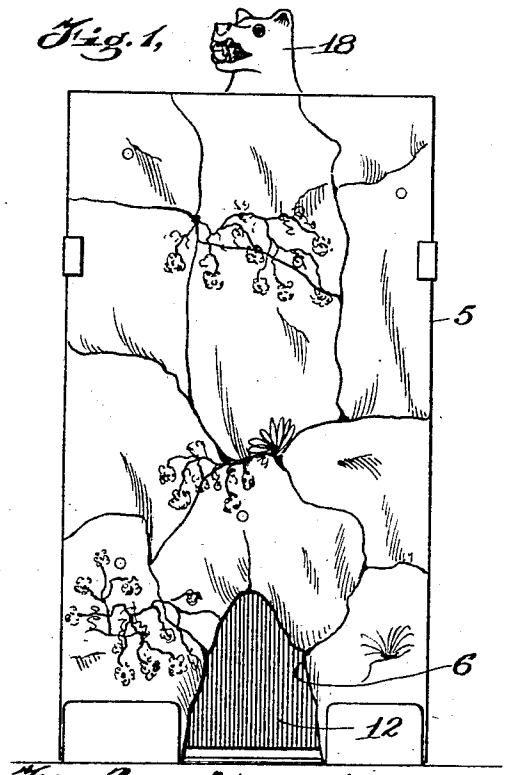


Fig. 2,

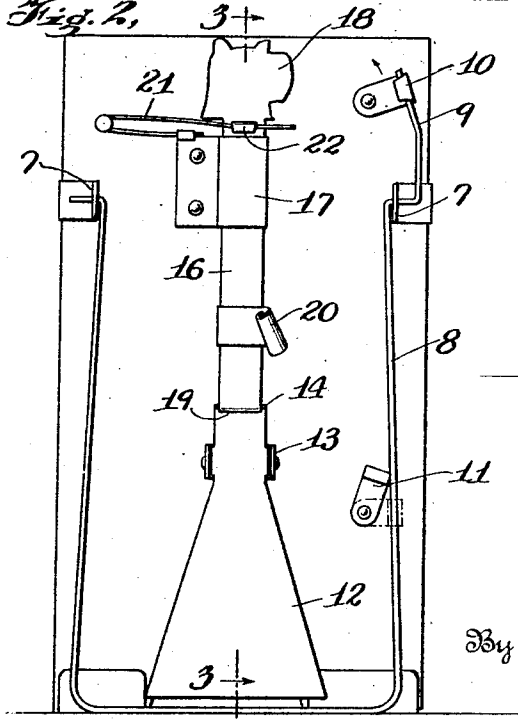
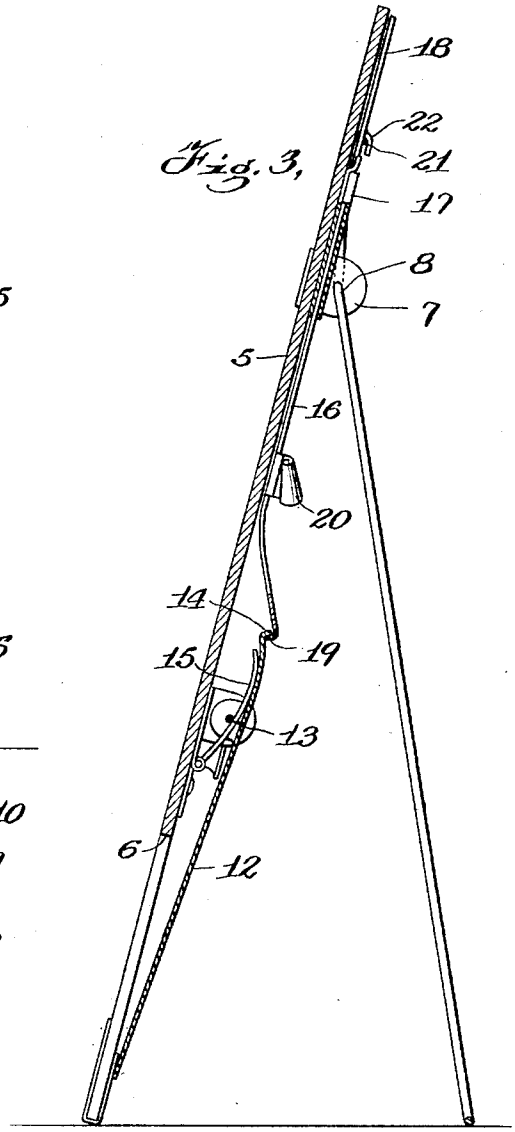


Fig. 3,



Inventor

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By his Attorneys

Edgar Patent

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UNITED STATES PATENT OFFICE.

DANTE CAVICCHIOLI, OF NEW YORK, N. Y.

TOY DEVICE.

Application filed February 7, 1923. Serial No. 617,453.

To all whom it may concern:

Be it known that I, DANTE CAVICCHIOLI, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Toy Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to toy devices and particularly to devices of this class designed to amuse both young and old, and the object of the invention is to provide a device of this class which is fashioned to represent a caved structure provided with means for controlling the entrance to the cave whereby the striking of said closure means will release a figured body to permit of its projection at the top of the toy; a further object being to provide means for supporting the toy device on a floor or other surface; a further object being to provide a toy device of this class which may be compactly folded together; and with these and other objects in view the invention consists in a device of the class and for the purpose specified which is simple in construction and operation, and which is constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Fig. 1 is a front view of my improved toy illustrating the method of its operation;

Fig. 2 a back view of the toy shown in Fig. 1 with parts in a different position; and,

Fig. 3 a section on the line 3—3 of Fig. 2.

In practice, I provide a front board or plate member 5 which is suitably pictured to represent a cave structure provided with an aperture 6 representing the opening or admission to the cave and pivotally mounted in ears 7 at the back of the plate member 5 is a U-shaped member 8 forming an easel or support for the toy device, one end portion of the U-shaped member being extended as shown at 9 to engage a clip 10 which operates to lock the member 8 in an extended position, and another clip 11 is employed for holding the member 8 in a folded position against the back of the plate member 5.

A door 12 is pivotally mounted in ears 13 at the back of the board or plate member 5 and controls and closes the cave opening 6 at the bottom of said plate member. The upper end of said door is provided with an extension having an outwardly turned lip 14 and a suitable spring 15 cooperates with the extended end of the door 12 to normally hold said door in an operative position as shown in Figs. 2 and 3 of the drawing.

The slide 16 is mounted in a suitable keeper 17 at the back of the plate member 5 and at the upper end of said slide is the representation of a suitable animal, being or object 18, the lower end of the slide is provided with an inwardly turned lip 19 which cooperates with the lip 14 of the door 12, and a spring member 20 serves to hold the slide 16 in engagement with the lip 14 of the door 12. A spring 21 is secured to the keeper 17 and the free end of which is passed through a keeper 22 on the slide 16.

In the use of my improved toy the device is set upon a floor, table or other surface at a predetermined distance from the party playing with the toy, and a ball, ring or other object is advanced toward the toy, or the plate member 5 thereof, endeavoring to enter the cave opening 6, and if the ball or other object successfully passes into the opening 6 the door 12 is moved backwardly or inwardly, which operation releases the slide 16 and the representation of an animal, being or object at the top of the slide is projected above the top of the board or plate member 5 as shown in Fig. 1 of the drawing.

It will be understood that the balls, rings or other devices referred to may be advanced by hand or by the use of suitable tools, such as guns, pistols or the like, and a toy device of this class will amuse both young and old, and while I have shown certain details of construction for carrying my invention into effect, it will be apparent that I am not necessarily limited to these details, and various changes therein and modifications thereof may be made, within the scope of the appended claims, without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening,

a door member pivoted to the inner face of said body, means for normally holding said door in position to close said cave opening, a characterized element movably mounted in connection with said body, and cooperating means thereon and on said door for normally retaining said element in predetermined position whereby the operation thereof is controlled by said door member.

2. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening, a door member pivoted to the inner face of said body, means for normally holding said door in position to close said cave opening, a characterized element movably mounted in connection with said body, cooperating means thereon and on said door for normally retaining said element in predetermined position whereby the operation thereof is controlled by said door member, and a spring for actuating said characterized element when released by said door member.

3. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening, a door member pivoted to the inner face of said body and adapted to normally close the cave opening, a characterized element movably mounted in connection with said body, means for coupling said element with said door member whereby the operation thereof is controlled by said door member, a spring for actuating said characterized element, and means whereby the movement of said door member will release said characterized element to permit of its movement into predetermined position by said spring.

4. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening, a door member pivoted to the inner face of said body and adapted to normally close the cave opening, a characterized element movably mounted in connection with said body, means for coupling said element with said door member whereby the operation thereof is controlled by said door member, a spring for actuating said characterized element, means whereby the movement of said door member will release said characterized element to permit of its movement into predetermined position by said spring, and means for holding said door member normally in an operative position.

5. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening, a door member pivoted to the inner face of said body and adapted to normally close the cave opening, a characterized element movably mounted in connection with said body, means for coupling said element with said door member whereby the operation thereof is controlled by said door member, a spring for actuating said characterized element, means whereby the movement of said door member will release said characterized element to permit of its movement into predetermined position by said spring, means for holding said door member normally in an operative position, and said body being provided with a pivoted supporting member.

6. A toy device of the class described comprising a body fashioned to represent a cave structure, said body having a cave opening, a door member pivoted to the inner face of said body and adapted to normally close the cave opening, a characterized element movably mounted in connection with said body, means for coupling said element with said door member whereby the operation thereof is controlled by said door member, a spring for actuating said characterized element, means whereby the movement of said door member will release said characterized element to permit of its movement into predetermined position by said spring, means for holding said door member normally in an operative position, said body being provided with a pivoted supporting member, and means for holding said supporting member in an operative and inoperative position.

7. A toy device of the class described comprising a suitably fashioned body provided at its lower end with an aperture, a door member pivoted to the inner face of said body and adapted to normally close said aperture, a tensionally actuated characterized element movably mounted in connection with the inner face of said body, means on said element and door member for coupling the same together and for retaining said element in predetermined position under tension whereby the inward movement of said door member will release said element to permit of its projection above said body.

In testimony that I claim the foregoing as my invention I have signed my name this 5th day of Feb., 1923.

DANTE CAVICCHIOLI.