Aug. 3, 1926. 1,594,847

H. OTTO

TOY BANK

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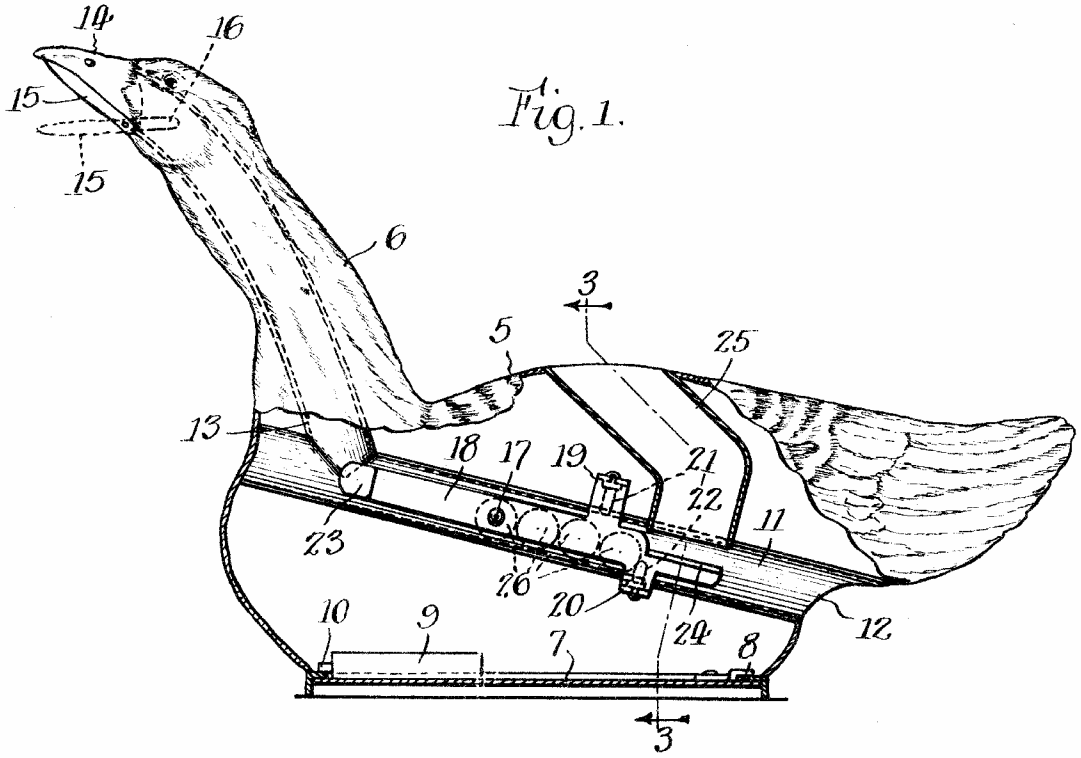


Fig. 1.

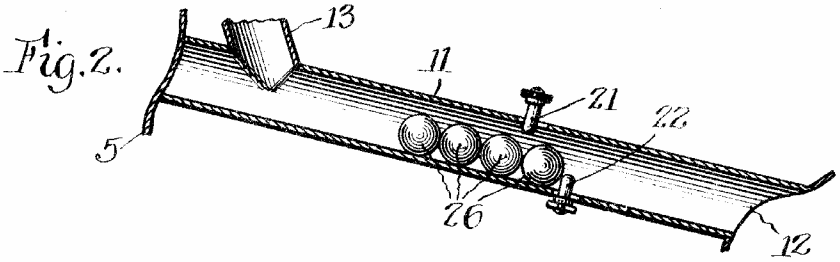


Fig. 2.

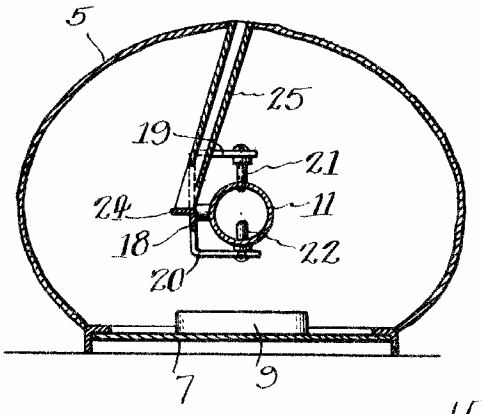


Fig. 3.

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## TOY BANK.

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This invention relates to toy banks of the character extensively used for the deposit and saving of coins, and its general object is to provide a bank of this character possessing a fanciful appearance and manner of use designed to be especially attractive to young children, and to encourage the money saving habit in the latter. In its preferred form herein shown and described, the conception of its form and mode of use grew out of the old fable of the goose that laid the golden egg; and one object of the invention is to provide a coin savings bank that will present a physical embodiment of this old fable to interest and amuse children and at the same time encourage the coin saving habit, by simulating the marvellous performance of the fabulous bird each time a coin is deposited therein.

In order that the invention, and its manner of operation and attractive qualities as a coin saving device for children may be clearly understood, I have illustrated the same, in its preferred form, in the accompanying drawing, wherein—

Fig. 1 is a side elevation of the bank, partly broken out, to disclose the interior mechanism;

Fig. 2 is a detail in axial section of the egg chute, showing also the co-operating stops which control the gravity movement of the eggs therethrough, permitting one egg to be discharged at a time; and

Fig. 3 is a transverse section on the line 3—3 of Fig. 1.

Referring to the drawing, 5 designates the body of the bank which, in the embodiment illustrated, takes the form of the body of a goose; the same being hollow and externally painted or otherwise treated to simulate the feathers of the natural bird. 6 designates an upwardly and forwardly inclined extension continuous at its lower end with the upper front portion of the body 5, and externally treated to simulate the head and neck of a goose. The bottom of the body 5 is formed with an opening normally closed by a flat cover-plate 7 retained in place to close the opening by a lug 8 at one end and a lock 9 at the other, the bolt 10 of which lock may be retracted by a key to remove the cover when the accumulated coins are to be removed.

Fitted within the body 5 between the front and rear walls of the latter is a downwardly and rearwardly inclined tube or chute 11 having an open rear end 12 located directly beneath the tail feathers of the goose. Communicating with the forward end portion of the chute 11 is a branch chute 13 that extends upwardly through the neck 6 and, at its open upper end, communicates with the mouth or bill 14. This latter is preferably equipped with a pivoted lower jaw 15 which is normally closed, but may be readily opened for the insertion of one of the eggs. The lower jaw 15 may be equipped with a counter-weight 16 entering a slot in the gullet tube 13, so that, after an egg has been deposited in the mouth of the bird, the counterweight 16 causes the lower jaw 15 to close.

To one side of the chute 11 is pivoted at 17 a trip bar 18. This bar is formed on the lower side of the pivot 17 with upwardly and downwardly extending rectangular branches 19 and 20 respectively, the horizontal portions of which overlie and underlie the chute 11 and are provided with stop pins 21 and 22 respectively that play through holes in the tube 11. As the trip bar 18 is rocked on its pivot 17, one of the stop pins 21 and 22 enters the tube and the other is simultaneously withdrawn. On the other side of the pivot 17 the trip bar 18 is equipped with a counterweight 23, the effect of which is to normally maintain the stop bar in the position shown in Fig. 1, wherein the stop pin 22 is operative, and the stop pin 21 is idle. The lower end of the trip bar 18 is formed with an outwardly extending lateral ledge or shoulder 24, which underlies the lower open end of a laterally inclined coin chute 25, the upper end of said chute opening through the top of the body 5.

26 designates each of a number of marbles, of a size to roll freely through the chutes 13 and 11. Where the design of the bank simulates the body of a goose, as shown, these round objects or marbles are preferably gilded to simulate the golden eggs which the bird lays.

In the use of the bank, a number of the eggs are inserted through the beak or bill 14, and rolled down the chutes 13 and 11, coming to rest against the lower stop pin 22, as indicated in Fig. 1. When the child deposits a coin in the chute 25, as the coin leaves the lower end of the chute it strikes the ledge 24 and glances off the latter coming to rest in the lower portion of the body.



The blow of the coin on the ledge 24 rocks the trip bar 18, carrying the stop pin 22 out of the chute 11 and the stop pin 21 into the latter. This releases the lowermost egg which falls out from beneath the tail feathers of the bird. During this, the rear stop pin 21 arrests the remaining eggs in the chute. The return of the trip bar to normal position under the effect of the counterweight 23 returns the stop pin 22 in time to arrest the next foremost egg, and simultaneously retracts the stop pin 21. In this way, only one egg is freed and discharged with the deposit of one coin. After all of the eggs have been discharged, they may, of course, be replaced through the mouth.

From the foregoing it will be seen that the device of my invention is designed to stimulate a coin saving inclination and habit among small children by providing, in addition to the usual lock-controlled coin receptacle, a simulation of a natural object from the animal world, and of one of the natural functions or performances thereof. Or, to state it simply, the child will readily part with its penny, nickel or dime, to see the goose lay a golden egg. Since, as is well known, the accumulated contents of toy banks of this character in the great majority of cases find their way into savings bank institutions, the present invention is manifestly of ultimate practical value and utility to the latter.

I have herein shown and described one particular natural object (a goose) as embodying the form and design features of the present invention, but manifestly, so far as its functional utility and attractive and appealing features are concerned, it may embody in its form and design other natural objects of the same general type or genus.

Also, while I have shown and described the invention as embodied in a toy savings bank, wherein the trip mechanism is actuated by coins deposited therein, it is manifest that the invention, in an enlarged form, may be used as a window display advertising device for banks and other institutions, in which case the trip mechanism that releases the eggs will be periodically actuated by concealed clock work or other means.

I claim—

1. A toy savings bank having the form of the body, neck and head of a bird, the body being hollow and constituting a coin receptacle, an inclined chute in said body, a branch chute in the neck opening at its upper end through the head and communicating at its lower end with said inclined chute, one or more objects simulating an egg adapted to roll through said chutes, trip mechanism on said inclined chute permitting the discharge of said objects one at a time, and a coin deposit chute in said body adapted to direct a coin onto said trip mechanism to actuate the latter.

2. A toy savings bank having the form of the body, neck and head of a goose, the body being hollow and constituting a coin receptacle, a downwardly and rearwardly inclined chute mounted in and lengthwise of said body, a branch chute extending through the neck and opening at its upper end through the head and communicating at its lower end with said inclined chute, one or more objects simulating an egg adapted to roll through said chutes, trip mechanism including a counterweighted trip bar mounted on said chute for controlling the successive discharges of said objects, and a coin deposit chute in said body opening at its upper end through the top of the latter and at its lower end overlying said trip bar whereby the latter is actuated by coins dropping through said coin deposit chute.

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