May 28, 1929. A. V. DAVIES 1,714,904

NOVELTY BANK

Filed Oct. 29, 1927 2 Sheets-Sheet 1

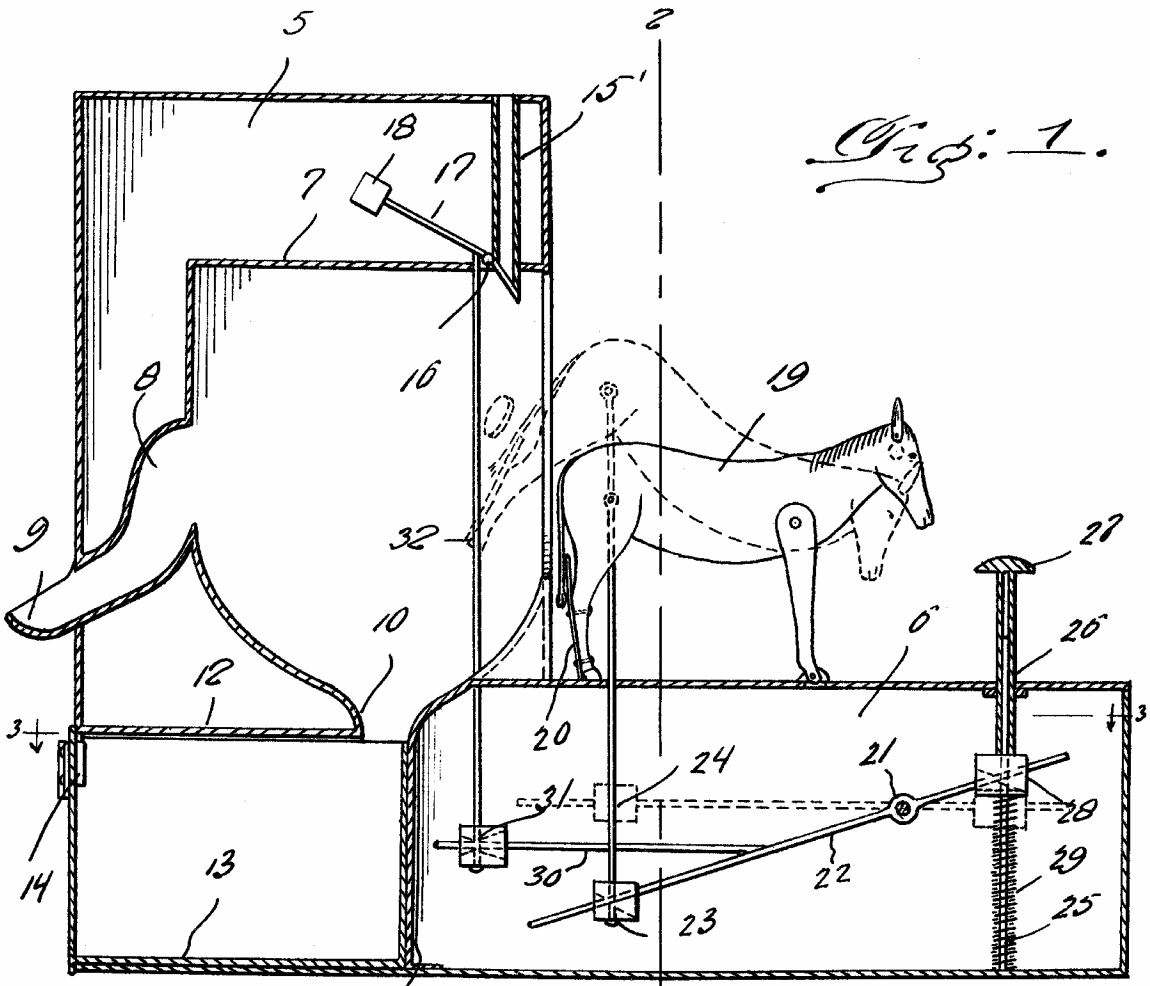


Fig. 1.

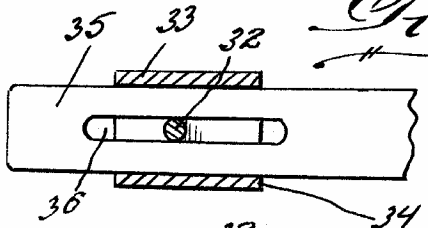


Fig. 4.2

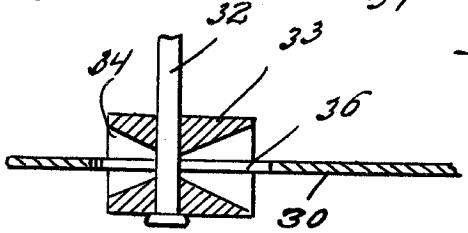


Fig. 5.

Inventor

A. V. Davies.

By Clarence A. O'Brien

Attorney

Patented May 28, 1929. 1,714,904

UNITED STATES PATENT OFFICE.

ALBERT V. DAVIES, OF GULFPORT, MISSISSIPPI.

NOVELTY BANK.

Application filed October 29, 1927. Serial No. 229,647.

This invention relates to new and useful improvements in children's savings banks and aims to provide a device of this character that will serve to induce children in the depositing of their coins into the bank. In carrying out the present invention there is provided a structure that includes a coin receiving box access to which may be had only by the possessor of the proper key, together with a coin return chute and means operable by the depositor for engagement with the coin as the same drops to the coin box and that if manipulated with skill will return the coin to the chute so that it may be redeposited. Through the medium of a savings bank of this character there will be provided an amusement device that could be employed as a game.

One of the most important objects of the invention is to provide such a bank that is generally speaking, of simple construction and inexpensive of manufacture, the same consisting of but two parts and these so correlated as to reduce the possibility of disarrangement to a minimum.

In the drawings wherein like reference characters correspond to like parts throughout the several views:—

Figure 1 is a detail horizontal section through my improved novelty bank.

Figure 2 is a vertical section taken substantially on the line 2—2 of Figure 1 and looking in a direction toward the left.

Figure 3 is a detail longitudinal section taken substantially upon the line 3—3 of Figure 1 and looking downwardly in the direction of the arrow, and,

Figures 4 and 5 are enlarged detailed sections taken at right angles to each other for more clearly disclosing the character of pivotal connections employed between certain elements of the mechanical features of the device.

Now having particular reference to the drawings, my novelty savings bank includes generally a vertical compartment 5 and a horizontal compartment 6 formed or associated with the lower end of the vertical compartment 5, the bottom walls of the two compartments being integral as clearly disclosed in Figure 1. Constructed in a suitable manner within the vertical compartment 5 and at the side thereof adjacent the horizontal compartment 6 is a chamber 7. From the side adjacent the front wall of the compartment 5 extends a chute 8 that projects through the wall of the compartment and terminates at a point outwardly of the wall into a coin trough 9. The lower end of this chamber 7 terminates into a neck 10 that opens into the compartment 5 beneath a horizontal wall 12 arranged in the compartment and beneath which is slidably arranged a coin drawer 13. This drawer is slidable into and out of an opening in the wall of the compartment 5 beneath the coin trough 9 which drawer is equipped with a suitable locking mechanism 14 whereby the same may be locked in place. When disposed within the compartment 5, the rear end of the coin drawer 13 will be directly beneath the neck 10 of said chamber 7 so that coins passing through the neck will be caught within said drawer. As a continuation of the chamber neck 10 at the right hand side of the compartment 5 is a perpendicular wall 15 that effects the inner end wall of the horizontal compartment 6 and provides a stop for the sliding drawer 13.

Extending vertically through the top walls of the chamber 7 and compartment 5 is a coin slot 15 the lower end of which projects into the chamber 7 and that is of tapered formation as clearly indicated in Figure 1. Pivoted to the top wall of the chamber 7 directly adjacent this coin slot 15′ as at 16 is a lever 17 the inner end of which is so bent as to have flush engagement with the lower end of the coin slot 15′ when said lever is in a certain position. The outer end of this lever 17 is equipped with a weight 18 the purpose of which is to normally swing the lever in such a direction as to maintain the inner end thereof in engagement with the lower end of the coin slot 15′ so as to prevent the coin from passing therethrough into the chamber 7.

Pivoted at their lower ends to the top wall of the horizontal compartment 6 are the forelegs of a figure 19 preferably in simulation of a mule or other kicking animal, the upper ends of these forelegs being pivotally secured to the body of the figure as clearly disclosed in Figure 1. Arranged across the backsides of the rear legs of the figure and rigidly secured thereto is a plate 20. The adjacent wall of the compartment 5 is back of the figure 19 that forms the adjacent wall of the chamber 7 is constructed with a suitably shaped opening 7′ so that as the figure 19 is actuated the rear legs will be projected therethrough in a manner presently to be described.

Arranged transversely within the horizontal compartment 6 adjacent the outer end

May 28, 1929. A. V. DAVIES 1,714,904

NOVELTY BANK

Filed Oct. 29. 1927 2 Sheets-Sheet 2

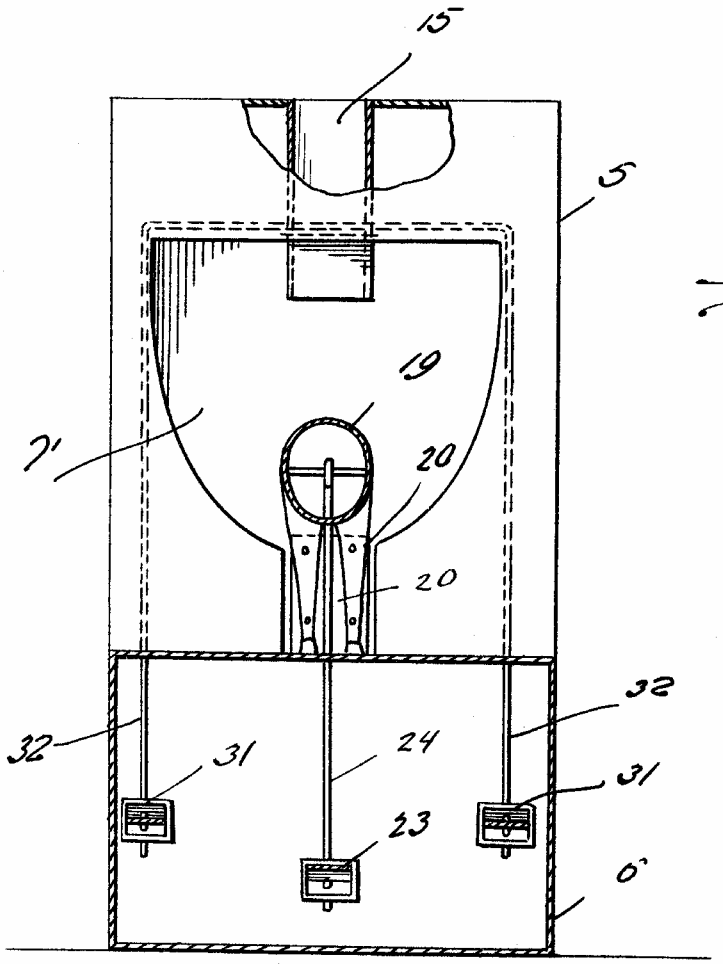
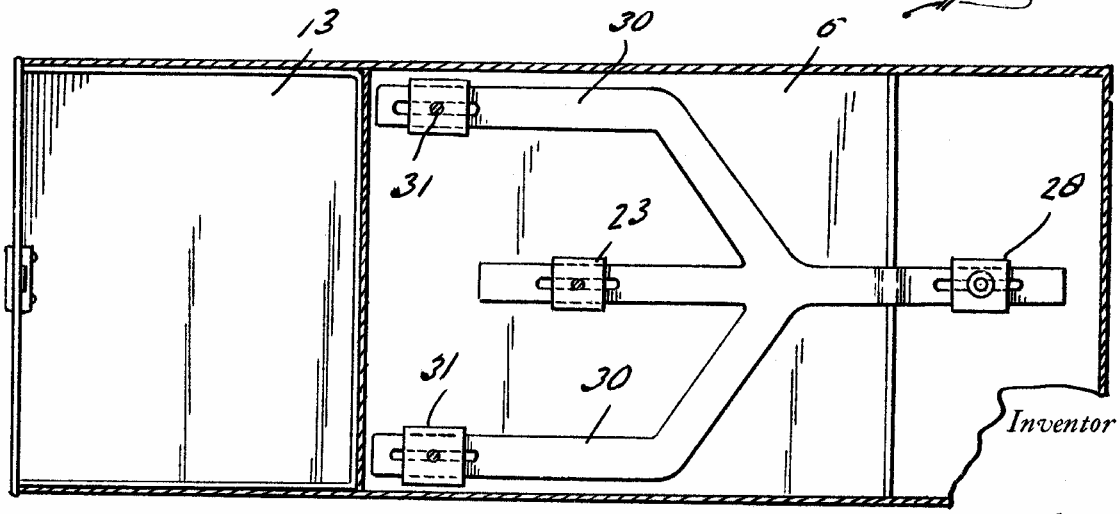


Fig. 2.

Fig. 3.



Inventor

A. V. Davies

By Clarence A. O'Brien

Attorney

thereof is a rock shaft 21 with which is associated a relatively elongated lever 22 that is pivotally and slidably connected adjacent its rear end as at 23 to the lower end of a vertically extending bar 24 that moves freely through an opening in the top wall of the horizontal compartment and that is pivotally secured at its upper end to the animal simulating figure 19 adjacent its rear end, see Figs. 1 and 2.

Arranged vertically within the horizontal compartment 6 adjacent its outer end is an elongated pin 25 the upper end of which projects through the top wall of the compartment. Slidable through an opening in the top wall and telescopically associated with the upper end of this pin 25 is a hollow pin 26 the upper end of which is equipped with a thumb button 27. The lower end of this hollow pin 26 is slidably and pivotally connected as at 28 to the forward end of the lever 22. Surrounding the pin 25 between the bottom wall of the compartment 6 and the connection between the lever 22 and hollow pin 26 is an expansible coil spring 29 the purpose of which is to normally raise the hollow pin and consequently the forward end of the lever 22 for maintaining the animal figure 19 in the standing position as more clearly disclosed in Figure 1. However, a depression of this pin 26 against the action of the spring 29 will cause the rocking of the lever 22 raising the rear end thereof for consequently raising the animal figure 19 at its rear end whereupon the rear legs of the figure and the plate 20 will be projected through the opening 7′ in the chamber 7 for engagement with the coin dropped from the coin slot 15′ when the lever 17 is released in a manner shortly to be described.

Forwardly of the connection between the lever 22 and the vertical bar 24, said lever 22 is equipped with a pair of laterally offset and rearwardly extending arms 30—30 the rear ends of which have sliding and pivotal connection as at 31—31 with the lower ends of the side legs 32 of a relatively elongated inverted U-shaped wire bail which legs extend upwardly through the top wall of the horizontal compartment 6 and the top wall of the chamber 7, the bight portion of this bail being connected at its center to the lever 17 in back of the pivot 16. Obviously the rocking of the lever 22 within the compartment 6 to cause the kicking movement of the animal figure 19 will raise the lever attached bail for swinging the same against the action of the weight 18 for releasing the lower end of the coin slot 15′. Obviously therefore, with some manner of skill, the depositor of the bank may cause the coin to be deflected from the neck 10 of the chamber 7 and to be projected into the coin chute 8 from where it will pass to the trough 9 so that it may be secured for redepositing within the bank. However, somewhat more than ordinary skill is required in bringing about this particular result with the end in view that in the majority of instances, the coins will pass to the coin drawer 13 from whence they cannot be removed other than by the party that possesses the key for the lock 14.

The particular character of the sliding and pivotal connection between the arms 30—30 and the legs 32—32 of the inverted U-shaped bail as well as between the lever 22 and the animal actuating rod 24 and also between the lower end of the hollow pin 26 in the forward end of the rocking lever 20 are of identical construction and a description of one will suffice for all. Each connection consists of a block 33 having a relatively wide longitudinal bore 34 passing therethrough the opposite ends of which are of flaring formation as clearly indicated in Figure 5. Slidably arranged through the bore of the particular block of the various connections is the lever 22 or the arms 30—30. Said lever of said arm is formed with a longitudinal slot 36 while passing vertically therethrough as well as through the block 33 is the particular leg of the inverted U-shaped bail or the animal figure control rod of the vertical pin in the horizontal compartment 6. Obviously, therefore, the proper sliding movement of the lever or arms will be permitted as well as the rocking movement thereof at the same time permitting of the proper operation of the other elements to be actuated.

It will thus be seen that I have provided a highly simple and amusing novelty savings bank for children that is well adapted for all of the purposes heretofore designated and even though I have herein shown and described the invention as consisting of certain detail structural elements, it is nevertheless to be understood that some changes may be made therein without affecting the spirit and scope of the appended claims.

Having thus described my invention, what I claim as new is:—

1. In a toy amusement bank of the character described, a hollow base, an upstanding receptacle on one end of said base, a coin chute opening into said upstanding receptacle, said upstanding receptacle being formed with an opening in its side adjacent the top of the base, a device on the base simulating an animal, certain leg members of said device being pivoted to its body, and means operable simultaneously for releasing a coin, from the chute, and moving a portion of the figure for chance engagement with the released coin.

2. In a toy amusement bank of the character described, a base, a figure simulating an animal, said figure being mounted upon said base, an upstanding receptacle at one end of said base, said receptacle being formed with an opening in the top thereof, a chute below said opening, a member for closing said chute, said upstanding receptacle being formed with an opening in its side adjacent to the figure on the base, certain of the leg members of said figure being pivoted to its body, the opposed side of said receptacle being formed with an opening, and means for swinging a portion of the figure on its pivotal legs into the receptacle through the opening in the side thereof, and releasing the member associated with the chute, whereby a coin inserted therein may by chance be engaged by the inwardly moving portion of the figure, in which instance the coin will be driven against the opposed wall of the receptacle and possibly through the opening formed therein.

In testimony whereof I affix my signature.

ALBERT V. DAVIES.