(No Model.)

A. C. REX.

MECHANICAL TOY SAVINGS BANK.

No. 379,607. Patented Mar. 20, 1888.

FIG. 4.

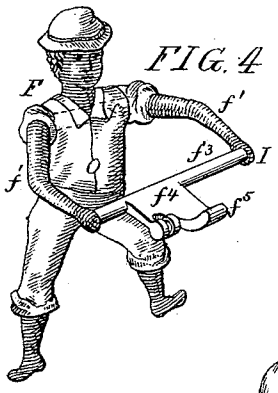


FIG. 1.

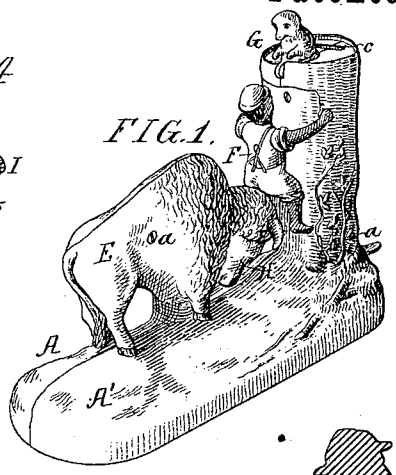


FIG. 5.

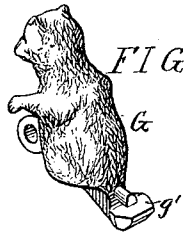


FIG. 2.

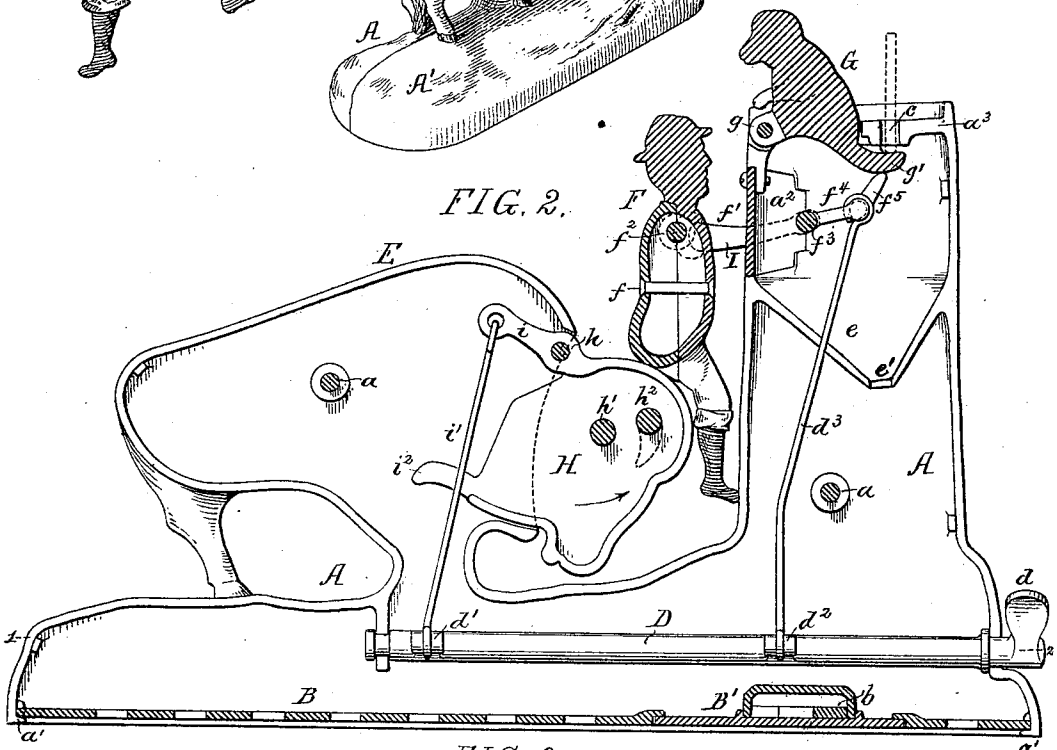
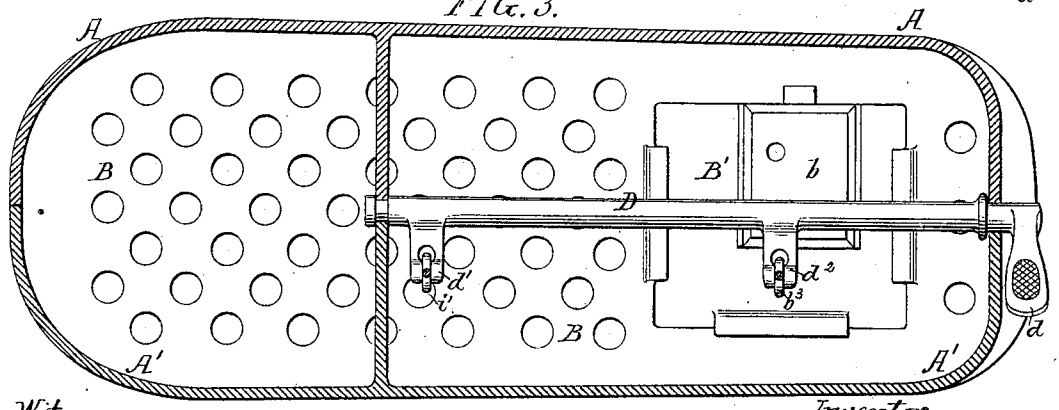


FIG. 3.



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Inventor:
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UNITED STATES PATENT OFFICE.

ALFRED C. REX, OF PHILADELPHIA, PENNSYLVANIA.

MECHANICAL TOY SAVINGS-BANK.

SPECIFICATION forming part of Letters Patent No. 379,607, dated March 20, 1888.

Application filed April 20, 1887. Serial No. 235,436. (No model.)

To all whom it may concern:

Be it known that I, ALFRED C. REX, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented an Improved Mechanical Toy Savings-Bank, of which the following is a specification.

The object of my invention is to construct a mechanical toy bank with movable figures, so that by pressing a lever the figures will assume different positions, and at the same time allow a coin to be dropped into the bank, as fully described hereinafter.

In the accompanying drawings, Figure 1 is a perspective view of my improved toy bank. Fig. 2 is a longitudinal section showing the operating mechanism. Fig. 3 is a sectional plan on the line 1 2, Fig. 2; Figs. 4 and 5, perspective views of the details of the invention.

In constructing toy banks for children one of the main objects is to make the device as attractive as possible, and at the same time so form the parts that they can be put together very cheaply, in order to reduce the actual cost of the bank to a minimum.

In the bank illustrated in the drawings I have shown the casing in the form of a piece of ground and the stump of a tree, from the top of which is pivoted the representation of a raccoon, and to the side of the tree is pivoted the representation of a boy in the act of climbing up the tree after the raccoon. In the rear of the boy is a horned animal in the act of butting the boy and assisting him up the tree, as shown in Fig. 1.

The body of the toy bank is preferably made of two castings, A A′, secured together by screws *a a*, and these castings have flanges *a′* on the inner side of the base, to receive and retain the bottom plate, B, perforated, as shown in Figs. 2 and 3. This bottom plate is preferably provided with a door, B′, having a lock, *b*, of any ordinary construction. The castings are made hollow, as shown, and the base and the hollow of the tree are used for the storage of the coins, which are passed through a slot, *c*, in the top of the tree. One-half of a funnel, *e*, is formed on each casting A A′ below the slot *c*, to guide the coin, and at the bottom of the funnel is a slot, *e′*, through which the coin passes into the receptacle below. The object of this funnel is to guide the coin clear of the operating devices, and so that when the bank is turned up it will prevent the extraction of the coins. An operating-shaft, D, having its bearings in notches formed in the meeting edges of the two castings A A′, is provided at its outer end with a lever, *d*, by depressing which the mechanism is operated.

E is the representation of an animal, and in the present instance it is in the shape of a buffalo, with its head H pivoted to the castings A A′ by a pivot-pin, *h*, as shown in Fig. 2. The head H is likewise made in two parts and secured together by a bolt, *h′*. The horns h^2 are formed of a bar passing through the head and bent at each side, as shown in Figs. 1 and 2. An arm, *i*, on the pivot-head is connected to a crank-arm, *d′*, on the shaft D by a rod, *i′*, Figs. 2 and 3, so that as the shaft is turned by the lever *d* the head will move in the direction of its arrow, Fig. 2, and as soon as the lever *d* is released the head will return by its own weight to its normal position. A lug, i^2, on the lower portion of the head limits its outward movement.

F is the representation of a boy, made in two parts and secured together by a rivet-pin, *f*. The arms *f′* of the boy are separate from the body and form the side bars of a frame, Figs. 2 and 4, which connect the two pivot-pins f^2 f^3 together. The pivot-pin f^2 passes through the boy's body and is held in place by the two parts of the body, as shown in Fig. 2. The pivot-pin f^3 passes through the trunk of the tree, a removable plate, a^2, securing this pivot-pin f^3 in place. An arm, f^4, projects from the inner side of the pivot-pin f^3, and is connected to a crank-arm, d^2, on the shaft D by a rod, d^3, which passes up through the trunk of the tree. By depressing the lever *d*, as before remarked, the boy will be raised, and as soon as the lever is released the boy will drop with its own weight.

The representation of a raccoon, G, is pivoted by a pin, *g*, to the top of the castings A A′, and has an extension, *g′*, against which bears the end f^5 of the arm f^4, so that as the lever f^4 is depressed and the boy raised the raccoon will swing on its pivot *g* into the trunk of the tree by its own weight; but, the boy being heavier than the raccoon, as soon as the lever *d* is released and the boy falls the raccoon

will be forced up to the position shown in Fig. 2. The outward movement of the raccoon is limited by the extension g' coming into contact with the cover-plate a^3 of the bank. This extension g' also extends across the opening c for the insertion of the coin, so that the coin will be held, as shown by dotted lines in Fig. 2, suspended by the extension g', and will drop only on the depression of the lever d, so that as soon as the said lever d is depressed the parts H F G move simultaneously, and the coin is released and drops into the receptacle.

I claim as my invention—

1. The combination of the casing, the shaft D, having its bearings therein, and the representation of a boy, with a frame, I, pivoted to the boy and casing and provided with a lever connected to a crank on the shaft D, substantially as described.

2. The combination of the casing, shaft D, frame I, pivoted to the casing and connected to the shaft D, and the representation of a boy, F, pivoted to the frame I, with the representation of an animal, G, pivoted to the casing and moving with the said frame, substantially as described.

3. The combination, in a mechanical toy savings-bank, of the casing and a bottom plate having a door, with the representations of animals, E and G, and the representation of a boy, F, the parts F and G and the head of the animal E being pivoted to the casing, an operating-shaft, D, and connecting devices, substantially as described, to vibrate the said pivoted parts from the shaft, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED C. REX.

Witnesses:

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