

C. G. SHEPARD & P. ADAMS, Jr.

TOY SAVINGS BANK.

No. 302,039.

Patented July 15, 1884.

Fig. 1.

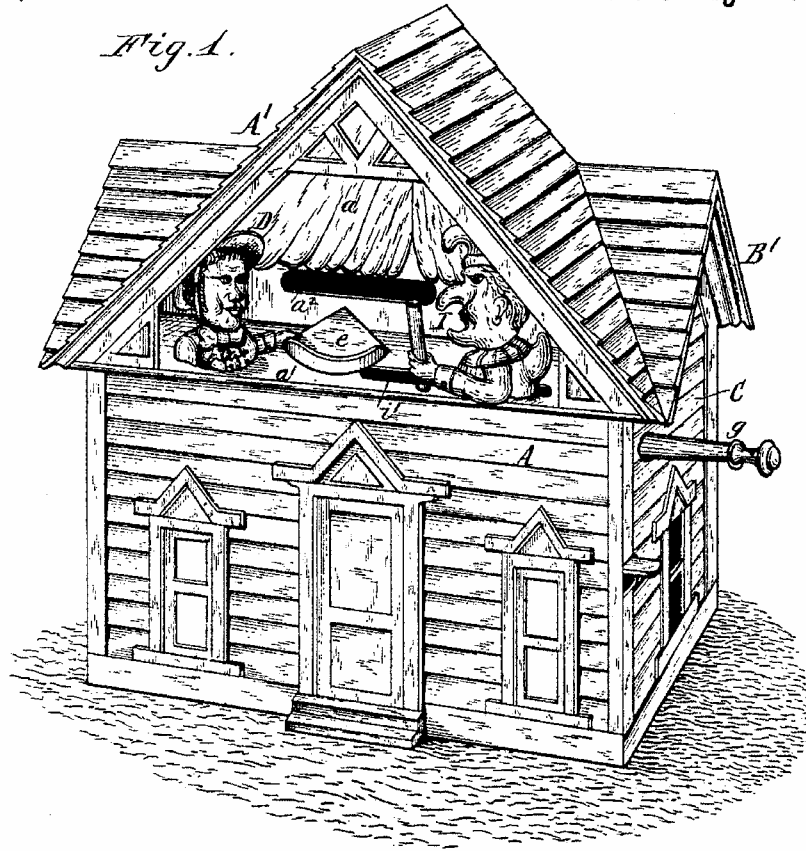


Fig. 2.

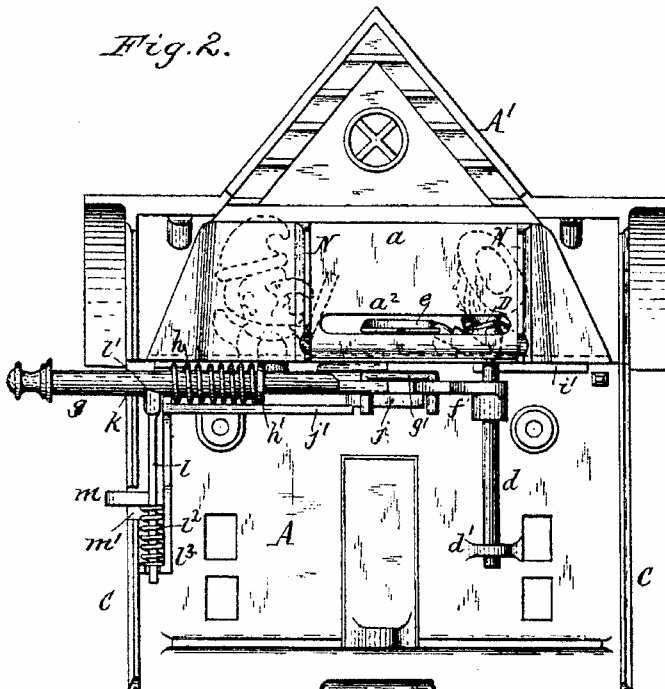
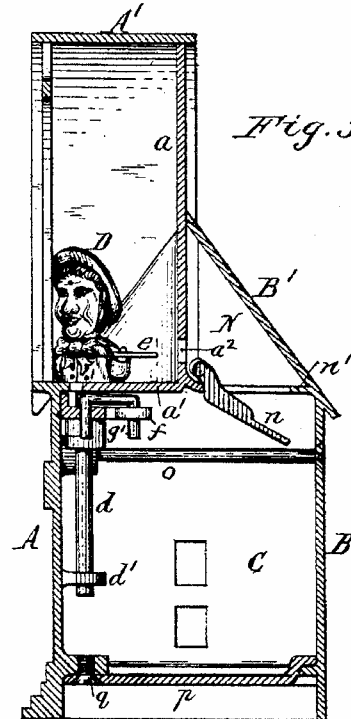


Fig. 3.



Theo. L. Popp
 Geo. C. Pitman
 Witnesses.

Chas. G. Shepard
 Peter Adams Jr. } Inventors.
 By Wilhelm Hammer. Attorneys.

(No Model.)

2 Sheets—Sheet 2.

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Fig. 4.

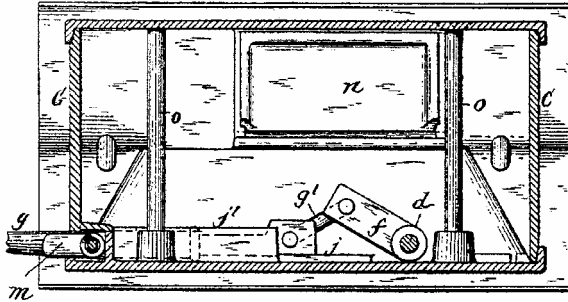


Fig. 7.

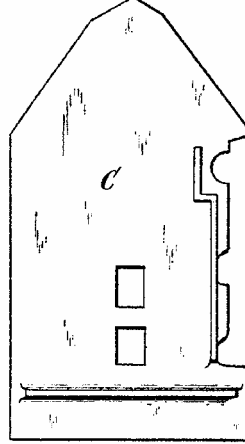


Fig. 5.

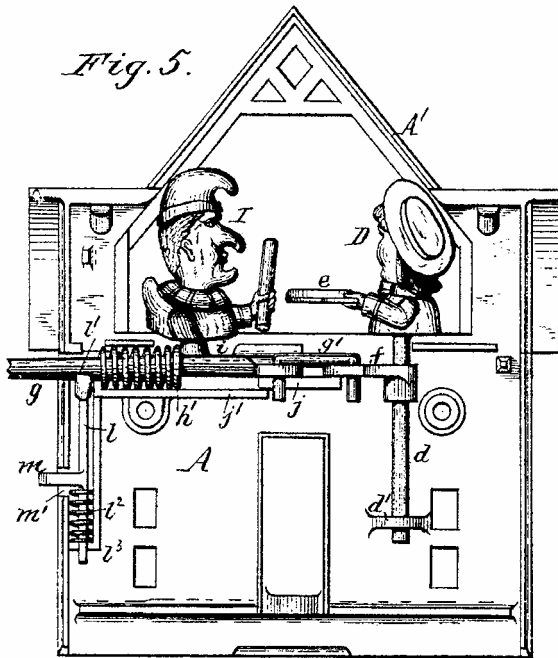


Fig. 6.

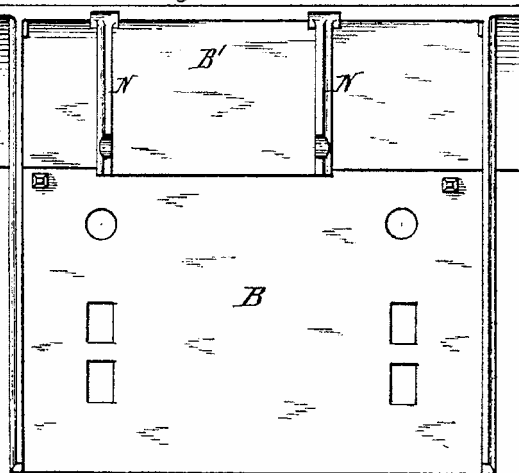
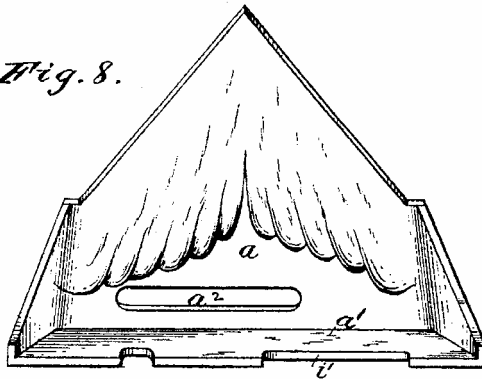


Fig. 8.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES G. SHEPARD AND PETER ADAMS, JR., OF BUFFALO, NEW YORK,
SAID ADAMS ASSIGNOR TO WALTER J. SHEPARD, OF SAME PLACE.

TOY SAVINGS-BANK.

SPECIFICATION forming part of Letters Patent No. 302,039, dated July 15, 1884.

Application filed October 30, 1883. (No model.)

To all whom it may concern:

Be it known that we, CHARLES G. SHEPARD and PETER ADAMS, Jr., both of the city of Buffalo, in the county of Erie and State of New York, have invented new and useful Improvements in Toy Savings-Banks, of which the following is a specification.

The object of this invention is to produce a neat, strong, and attractive toy savings-bank, provided with a movable figure carrying a tray or dish, upon which the coins are placed and whereby the coins are delivered through a slot into the cavity of the bank.

Our invention consists of the improvements in the construction of the bank and of the mechanism whereby the movable figure is actuated, as will be hereinafter fully set forth, and pointed out in the claims.

In the accompanying drawings, consisting of two sheets, Figure 1 is a perspective view of our improved savings-bank. Fig. 2 is an interior view of the front portion of the bank. Fig. 3 is a central vertical cross-section of the bank. Fig. 4 is a horizontal section of the bank, looking upward. Fig. 5 is an interior view of the front plate of the bank, with the movable figures attached thereto. Fig. 6 is an interior view of the rear plate of the bank. Fig. 7 is an interior view of the end plate to which the movable trigger is attached. Fig. 8 is a perspective view of the angular plate upon which the movable figures are arranged.

Like letters of reference refer to like parts in the several figures.

A represents the front plate of the bank, B the rear plate, and C C the end plates, forming together a hollow receptacle having the shape of a house, the front portion, A', of the roof being formed on the front plate, A, and the rear portion, B', on the rear plate, B. The front portion, A', of the roof has the form of a gable, open at the front, and provided with a back plate, *a*, and a bottom plate, *a'*, which are cast in one piece.

*a*² represents a longitudinal slot formed in the back plate, *a*, of the gable, and through which the coins are introduced into the cavity of the bank.

D represents a movable figure arranged upon the bottom plate *a'* in the cavity or recess of

the gable, and secured to the upper end of a pivot, *d*, which turns with its lower end in a perforated lug, *d'*, formed on the inner side of the front plate, A. The figure D rests upon the bottom plate *a'* in turning on the pivot *d*. The figure D carries in its hand a tray or dish, *e*, which is arranged in line with the opening *a*², so that by turning the figure D on its pivot toward the opening *a*² a coin placed on the tray *e* is thrown through the opening *a*² into the cavity of the bank.

f represents a horizontal arm secured to the pivot *d* below the bottom plate *a'*.

g represents a horizontal sliding bar arranged within the cavity of the bank below the bottom plate *a'* of the gable, and arranged to slide horizontally toward and from the movable figure D.

g' represents a link, whereby the inner end of the sliding bar *g* is connected with the arm *f* in such manner that by an inward movement of the sliding bar *g* the pivot *d* is turned in the proper direction to move the tray *e* of the figure D toward the opening *a*², while by an outward movement of the sliding bar *g* a movement of the figure D in an opposite direction will be produced.

h represents a spiral spring, which surrounds the sliding bar *g*, and which bears with one end against a collar, *h'*, formed on the sliding bar, and with its other end against a stationary stop formed on the front plate, A, so as to press the sliding bar *g* inwardly. The movable figure D is preferably formed to represent "Judy," and the sliding bar *g* is provided with a figure, I, representing "Punch," and arranged in the recess of the gable above the bottom plate *a'* thereof. The figure I is connected with the sliding bar *g* by a shank, *i*, which plays in a longitudinal slot, *i'*, formed in the bottom plate *a'* of the gable. The inner flat end of the sliding bar *g* moves on a horizontal rib or ledge, *j*, cast on the front plate, A, and the spring *h* and collar *h'* move on a horizontal plate, *j'*, cast on the front plate, A. The outer portion of the sliding bar *g* projects through an opening, *k*, formed partially in the end plate, C, and partially in the plate A, at the junction of these plates.

l represents a spring catch or bolt, which

engages in a notch, l' , formed in the under side of the sliding bar g when the latter has been drawn outwardly and the spring h has been compressed, thereby preventing the spring from moving the sliding bar inwardly until the catch has been released. The catch l is provided with an outwardly-extending rod, to which is applied a spring, l^2 , which is seated in a casing, l^1 , one part of which is formed on the front plate, A , and the other part is formed on the end plate, C .

m represents a trigger or thumb-piece secured to the catch l , and extending outwardly through the opening m' , formed in the end flange of the front plate, A . Upon depressing the trigger m , so as to release the catch l from the sliding bar g , the spring h forces the sliding bar inwardly and swings the figure D on its pivot in the proper direction to impart to the tray a movement toward the opening a^2 . At the same time the figure I , attached to the sliding bar g , moves toward the figure D . Upon drawing the sliding bar g outwardly the figure I moves away from the figure D , and the latter is turned in the opposite direction until the notch l' coincides with the catch l , when the sliding bar and the figures are again locked in the position represented in Fig. 2.

$N N$ are vertical walls cast on the roof part B' of the rear plate, near the ends of the opening a^2 , and extending from the roof-plate to the rear plate, a , of the gable.

n represents a pivoted plate arranged between the vertical plates $N N$, with its pivots near the rear plate, a , of the gable. The plate n depends in an inclined position by its own weight, as represented in Fig. 3, its highest end being arranged below the opening a^2 , so that the coins passing through the opening a^2 will pass over the plate n into the cavity of the bank. Upon inverting the bank the plate n closes against a ledge, n' , formed on the rear plate, B , and prevents the coins from being shaken out of the bank.

The several parts of which the bank is composed are each cast complete of iron or other suitable metal, and the parts are readily secured together by screws o .

p represents the bottom plate, which is secured by a screw, q , to ledges or ribs formed on the inner sides of the plates $A B C C$.

We claim as our invention—

1. The combination, with a coin-receptacle having an opening, a^2 , of a pivoted figure, D , carrying a coin-support, e , a sliding figure, I , and mechanism whereby the pivoted figure is connected with the sliding figure, substantially as set forth. 55

2. The combination, with a coin-receptacle having an opening, a^2 , of a figure, D , secured to a vertical pivot, d , having an arm, f , a sliding bar, g , and a connecting-link, g' , substantially as set forth. 6c

3. The combination, with a coin-receptacle having an opening, a^2 , of a pivoted figure, D , a sliding bar and spring, whereby said figure is turned on its pivot, and a spring-catch, whereby said sliding bar can be locked or released at desire, substantially as set forth. 65

4. The combination, with a coin-receptacle provided with an opening, a^2 , of a figure, D , secured to a vertical pivot, d , having an arm, f , a sliding bar g , spring h , and spring-catch l , substantially as set forth. 70

5. The combination, with a coin-receptacle having on its front side a recess bounded by a rear plate, a , and bottom plate a' , and having an opening, a^2 , formed in the plate a , of a pivoted figure, D , carrying a coin-support and arranged in said recess opposite the opening a^2 , substantially as set forth. 75 80

6. A coin-receptacle composed of a front plate, A , provided with a recessed gable, having a rear plate, a , provided with an opening, a^2 , and bottom plate a' , rear plate $B B'$, end plates, $C C$, and the bottom plate p , substantially as set forth. 85

7. The combination, with a coin-receptacle having a recess bounded by a rear plate, a , having an opening, a^2 , and a bottom plate, a' , and a rear plate, $B B'$, provided with vertical walls N and ledge n' , of a pivoted plate, n , arranged below said opening a^2 , substantially as and for the purpose set forth. 90

Witness our hands this 25th day of October, 1883. 95

CHARLES G. SHEPARD.
PETER ADAMS, JR.

Witnesses:

JNO. J. BONNER,
CARL F. GEYER.