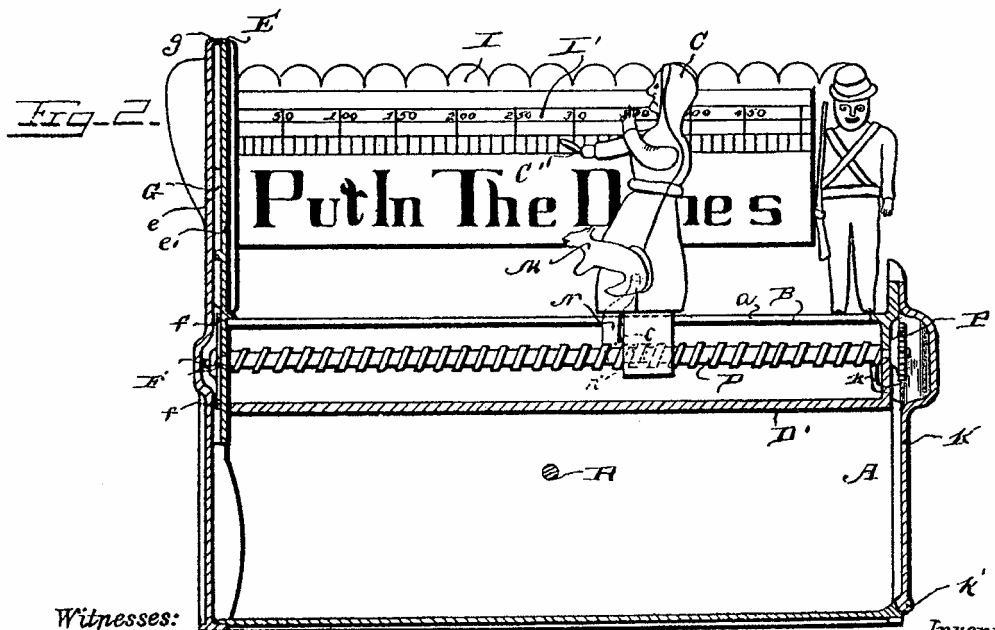
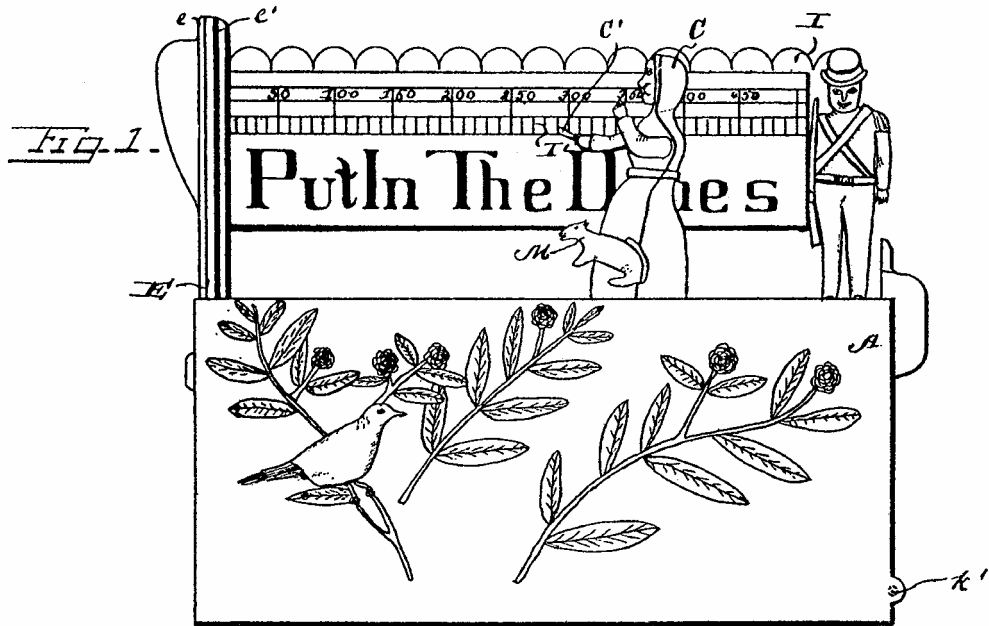


C. A. BAILEY.
REGISTERING TOY MONEY BANK.

No. 489,860.

Patented Jan. 10, 1893.



Witnesses:

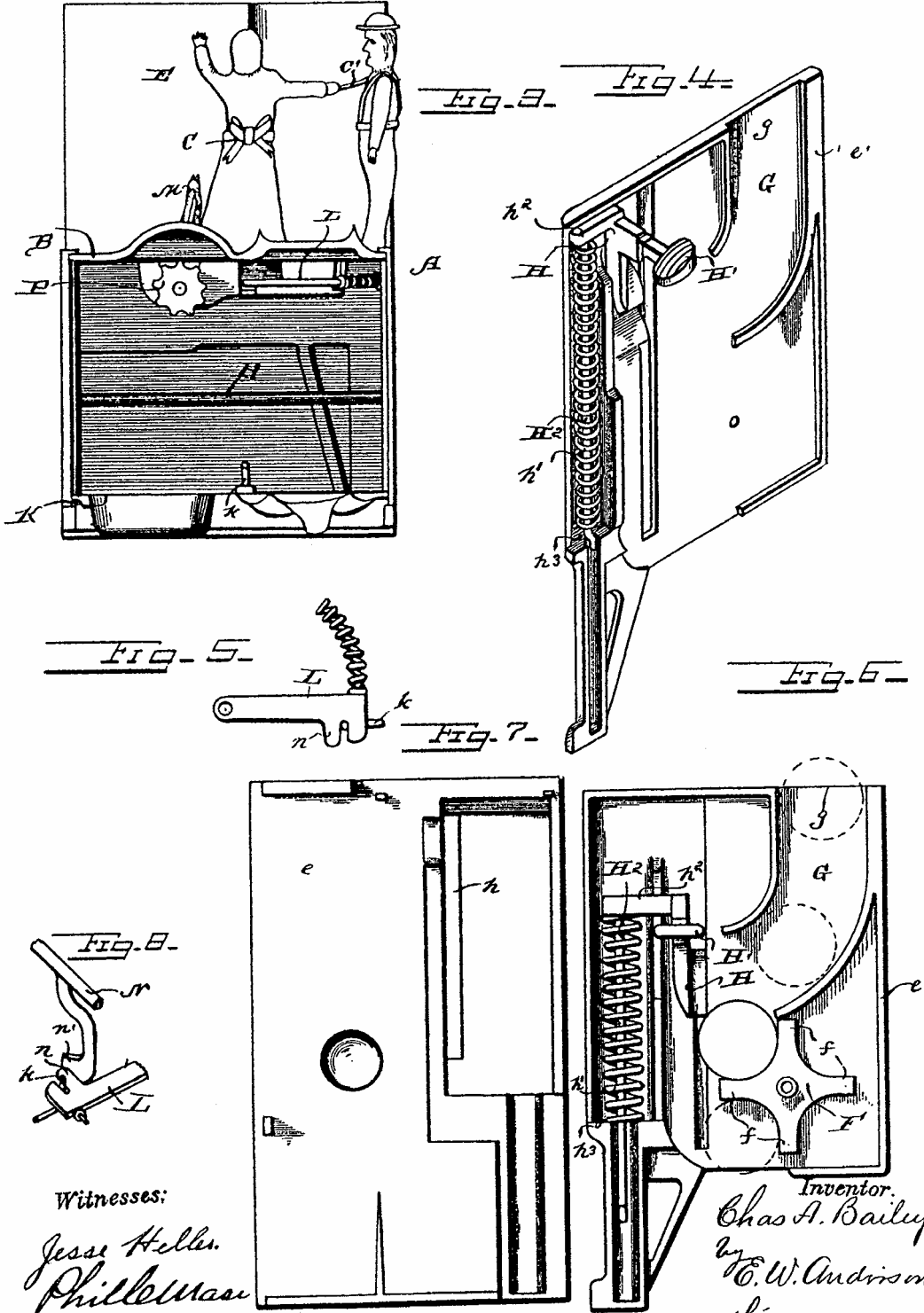
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UNITED STATES PATENT OFFICE.

CHARLES A. BAILEY, OF CROMWELL, CONNECTICUT, ASSIGNOR TO THE J.
AND E. STEVENS COMPANY, OF SAME PLACE.

REGISTERING TOY MONEY-BANK.

SPECIFICATION forming part of Letters Patent No. 489,860, dated January 10, 1893.

Application filed August 16, 1892. Serial No. 443,187. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. BAILEY, a citizen of the United States, and a resident of Cromwell, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Registering Toy Money-Banks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a front view of the bank. Fig. 2 is a vertical longitudinal section. Fig. 3 is an end view with door open. Fig. 4 is a perspective detail of plate e' . Fig. 5 is a plan view of the spring and catch; Fig. 6 an interior view showing the coin operating the wheel. Fig. 7 is an interior detail view showing the back of plate e . Fig. 8 is a detail view of the mechanism for effecting the unlocking of the bank at the proper time.

This invention has relation to certain new and useful improvements in registering toy money banks, the object being to provide a device of this character composed of comparatively few and simple parts not easily capable of getting out of working order, and which will afford a convenient and amusing means for the deposit of small coins, the registering attachment provided, enabling the depositor to ascertain at any time, the sum total of previous deposits, although prevented access thereto, until a given amount has been deposited.

With this object in view, the invention consists in the novel construction and combination of parts, all as hereinafter described and pointed out in the claims.

The bank primarily consists in a box or receptacle A, shown in the accompanying drawings, as of oblong quadrangular form, and which may be constructed with any desired ornamental configuration.

In the top plate B Fig. 2 of this box, is formed a longitudinal slot a , which extends nearly the entire length of said plate.

C represents the figure of a girl, or other

desired object, supported on said plate B and having a foot portion c , projecting loosely through said slot a into the interior of the box. Said projecting foot portion is formed with a threaded aperture, which engages a thread or screw formed on a longitudinal shaft or spindle D, held in a guard plate D' secured to the under side of the plate B. The end E of the box is projected above the top portion, and is formed of two plates or castings e, e' which fit in close relation to each other, as shown. One end of the shaft or spindle D having the screw thereon, projects through the inner plate e' , in which it has a bearing, and carries on its projecting end a wheel F formed with four spurs or projections. f, f , said wheel being entirely inclosed between the two plates. Between said plates is formed a guide or chute G for the coins, which are inserted therein at the mouth g at the upper edges of said plates. At its lower end, said chute opens into the interior of the box, and the wheel F is so arranged that one of the spurs f shall always project into the guide or chute sufficiently to check the coin and retain it in the lower portion of said chute or guide, until it is ejected into the box by the device now to be described.

Seated and arranged to slide in cavities or recesses formed in the meeting faces of the two plates e, e' is a plunger H, having a thumb or finger pawl H' projecting outward through a slot h in the outer plate e . Said plunger has an arm H², around which is coiled a spring h' confined between the angle at h^2 and a stop shoulder or projection h^3 in the cavity in which the plunger slides, said spring serving to return the plunger to its normal position, when the latter is operated, as hereinafter described.

The rear portion I of the box is projected upwardly above the box, as indicated, and has thereon a scale or register I', which is subdivided into as many parts as there are coins in the amount required to be deposited before the bank can be opened. Thus, in the drawings, which represent a bank of the capacity of five dollars in coins of the denomination of dimes, there are fifty subdivisions on the register scale, or one for each dime to be

inserted. It is obvious however, that the register may be varied to any desired amount, in coins of any denomination.

In one hand of the figure C is a pointer C', which is arranged to travel along this register scale and rest on any one of the marks forming the subdivisions thereon. Above each fifth subdivision may be printed the figures representing the money value thereof on the scale, said scale ascending from left to right. When a coin is dropped into the chute or guide therefor, it passes downward until stopped between one of the spurs *f*, and the wall of the chute. The plunger H is then depressed, and coming into engagement with the coin, ejects it into the box. In doing so however, it causes the wheel F a quarter revolution, and thereby actuates the screw to move the figure C in the slot a sufficient distance so that the pointer travels to the right the distance of one subdivision.

For the purpose of gaining access to the bank upon the deposit of the full amount indicated by the scale, and when the figure C is at the extreme right hand end of the slot, the end K of the box or receptacle is hinged or pivoted at its lower corner portions between the lateral walls of the box as indicated at *k'*. Projecting from the inner face of this pivoted end is a bent stud or pin *k*, which when the end is closed, projects into the guard D', and is locked by engagement with a spring-actuated latch L, which is pivoted in said guard behind the shaft or spindle. Said latch has an arm *n* projecting into the proximity of the screw shaft or spindle D, said latch and arm being shown in detail in Figs. 5 and 8.

At the foot of the figure C is the representation M of a dog or other desired object, and which is carried by a rocking arm N, projecting loosely from the lower portion of the figure C. The other end of this arm is bent downwardly through the slot *a* into the guard D', and terminates in a trip *n*; which when the figure C is at the limit of its movement to the right, occupies such a position that by depressing the head of the figure M, it will come into engagement with the arm *n* of the latch L, as seen in Fig. 8 and force it backward, releasing the stud *k* on the end plate K, and permitting the latter to fall open. The contents of the bank may then be removed, and the figure C moved to the left hand end of the slot, ready for the next deposit. For the purpose of moving the said figure back to the left end of the slot, the end of the screw shaft or spindle D has a milled disk P, by means of which the spindle may be turned. This disk is only accessible when the end plate K is open, so that it is not possible to move the figure up the scale, except by the insertion of the proper coin. Nor can the end plate be unlocked, except as above described. The box, as shown, may be formed of separate plates, fitted together, and held

by the bolt R, or it may be constructed in any other suitable manner.

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

1. In a toy bank, the combination with the box or receptacle, its slotted cap or cover, and the coin chute or guide, of the shaft or spindle, the screw or thread thereon, the toy figure engaging said screw or thread through the slot of the cap plate, the graduated scale, the spurred wheel on one end of said plunger and arranged to project its spurs partially into said coin chute or guide, and the spring actuated plunger, substantially as specified.

2. In a toy bank, the combination with the box or receptacle, having the slotted cap or cover, the graduated scale and the double end plates between which is formed a coin chute or guide, of the screw shaft or spindle within said box, the sliding toy figure engaging said shaft through the slot in said cover, the spurred wheel on said shaft and inclosed between said end plates, and the spring actuated plunger working between said plates, and having a projecting thumb plate, substantially as specified.

3. In a toy bank, the combination with the box or receptacle, its coin chute, the slotted cap plate, the plunger, the screw shaft or spindle, the mechanism operated by the coin and plunger for operating said shaft or spindle, of the toy figure engaging said shaft or spindle through the said slotted cap plate, the scale, the hinged or pivoted end plate, the lock therefor, and the second toy figure arranged to release said lock at the proper time, substantially as specified.

4. In a toy bank, the combination of the box or receptacle, the registering scale thereon, the coin chute or guide, the screw shaft or spindle, the toy figure mounted on the box and having an engagement with said shaft, the pointer carried by said figure and arranged to traverse said scale, the spurred wheel on said shaft and inclosed in the end plates of the box, said wheel having its spurs adapted to project into the coin chute or guide and be engaged by the coin, the spring-actuated plunger arranged to operate upon the coin, the hinged or pivoted end plate or door, its lock, the second toy figure in connection with the first, said second figure having means whereby it is capable of releasing said lock at the proper time, and means for resetting said figures for a new deposit, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHAS. A. BAILEY.

Witnesses:

WILLIAM C. STICKNEY,
EMMA J. STICKNEY.