

(No Model.)

C. M. CRANDALL.

TOY SAVINGS BANK.

No. 298,830.

Patented May 20, 1884.

Fig: 1.

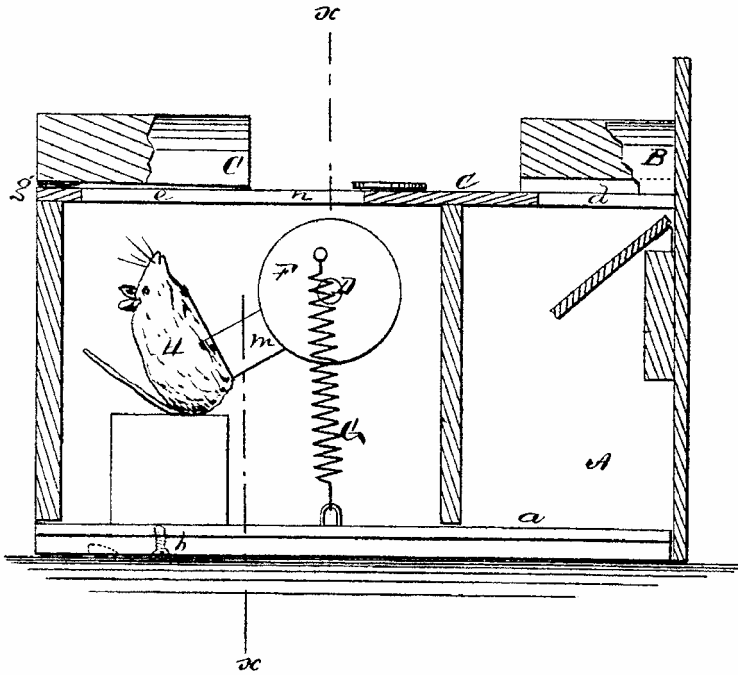


Fig: 2.

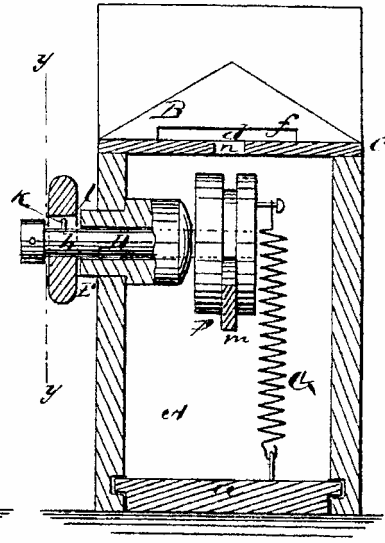


Fig: 3.

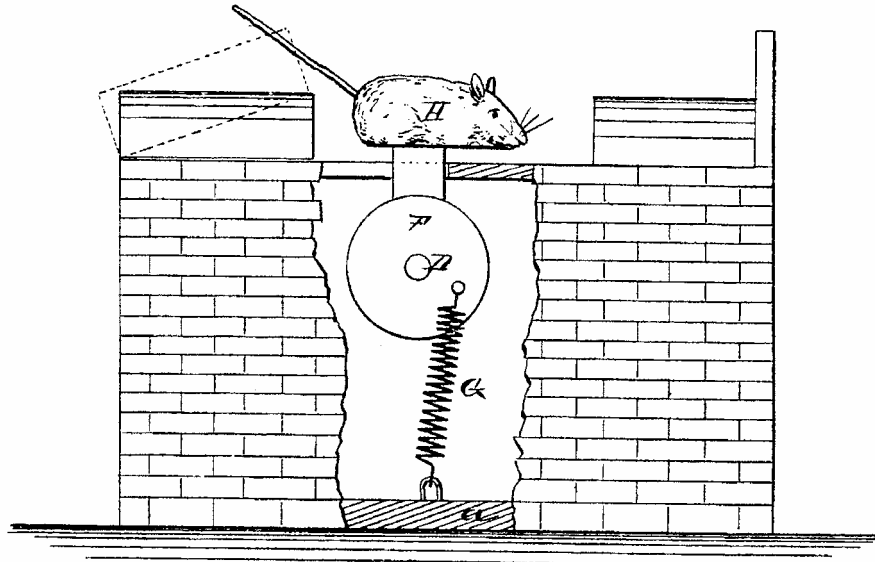
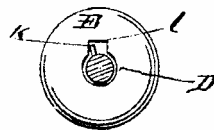


Fig: 4.



WITNESSES:

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TOY SAVINGS-BANK.

SPECIFICATION forming part of Letters Patent No. 298,830, dated May 20, 1884.

A application filed March 13, 1884. (No model.)

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To all whom it may concern:
Be it known that I, CHARLES M. CRANDALL, of Montrose, Susquehanna county, and State of Pennsylvania, have invented a new and useful Improvement in Toys; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying sheet of drawings, forming part of this specification.

This invention is in the nature of an improvement in toys; and the invention consists in a toy bank constructed in the manner and for the purpose hereinafter described, shown, and claimed.

In the accompanying sheet of drawings, Figure 1 is a side view of my box with one of its sides removed, showing the interior of the box; Fig. 2, a cross-section of same, taken in the line *x x*, Fig. 1; Fig. 3, a side view with side broken out, showing position of animal on the surface of the box; and Fig. 4 is a section on line *y y*; Fig. 5, showing the connection of the turn-collar and shaft.

Similar letters of reference indicate like parts in the several figures.

This invention particularly relates to toy savings-banks that employ some amusing mechanical device to lead interest to the toy and encourage a saving habit.

In the construction of my savings-bank a rectangular box, A, of convenient size and ornamented to represent a bank-building, is first made. The bottom of this box is formed by a slide, *a*, which is fixed in place by a screw, *b*. The upper surface, *c*, of this box has formed in its front and rear parts openings *d* and *e*, the opening *d* being covered by a fixed roof-shaped cover, B, with a slot, *f*, in its under side, and the opening *e* is covered by a similar roof-shaped cover, C, which has named roof, however, is hinged at its rear side to the box A, as at *g*. Also, into this upper surface, *c*, is cut a slot, *h*.

Passing through the sides of the box A, and resting in suitable bearings or openings made for that purpose, is a shaft, D, with one of its ends, *h*, projecting somewhat beyond the side of the box. Into this projecting end is inserted a pin, *k*. Onto this projecting end *h*

is loosely fitted a collar, E, with a recess, *l*, so cut into it, within which recess is received the pin *k*. To the shaft D, and within the box A, is fitted a disk, F. To this disk, at a suitable point, as is shown in the figures, is fixed one end of a coil-spring, G, the other end of this spring being secured to the bottom *a* or side of the box A. Also, to the disk F is fastened one end of an arm, *m*. To the other end of this arm is attached a simulated mouse, H, or other suitable animal or figure.

Now, when my toy bank is constructed substantially as described, it is operated in this wise: The collar E is turned to the right. The pin *k* in the recess *l* of the collar causes the shaft D to turn. In like manner the disk F, also turning, extends the coil-spring G to a certain extent, the animal H being within the box A and beneath the cover C. A coin now being placed upon the slot *h*, the collar E is slightly turned in a reverse direction until the spring G "passes its center," or to the right of the axis of the disk F, a point where it can exert its greatest force, which it does suddenly, compelling the shaft D to turn independently of its collar E, (since the pin *k* travels in the recess *l* and the rotation of the shaft is not checked by the hand of the operator,) and as this shaft quickly turns, its disk F, turning likewise, causes the arm *m*, with the animal H, to suddenly emerge from the opening *e* and draw back the cover C. At the same time the arm *m*, passing into the slot *h*, strikes the coin and shoots it through the slot *f* in the cover B, through the opening *d*, into the interior of the box A, where it remains until the screw *b* is removed and the slide *a* withdrawn.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A toy bank consisting of a box, A, with openings *d* and *e*, revolving shaft D, disk F, and collar E, in combination with a simulated animal, H, arm *m*, slot *f*, and spring G, as and for the purpose described.
2. In a toy bank, the combination of a revolving shaft, D, and pin *k* with a loosely-fit-

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ted collar, E, thereon, constructed with a recess, *l*, whereby the shaft may, during part of its revolution, turn independently of said collar.

3. In a toy savings-bank, the combination of a revolving disk with an arm, *m*, slot *f*, spring G, box A, with openings *d* and *e*, fixed

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Witnesses:

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