

(No Model.)

J. H. BOWEN.
TOY SAVINGS BANK.

No. 262,361.

Patented Aug. 8, 1882.

FIG. 1.

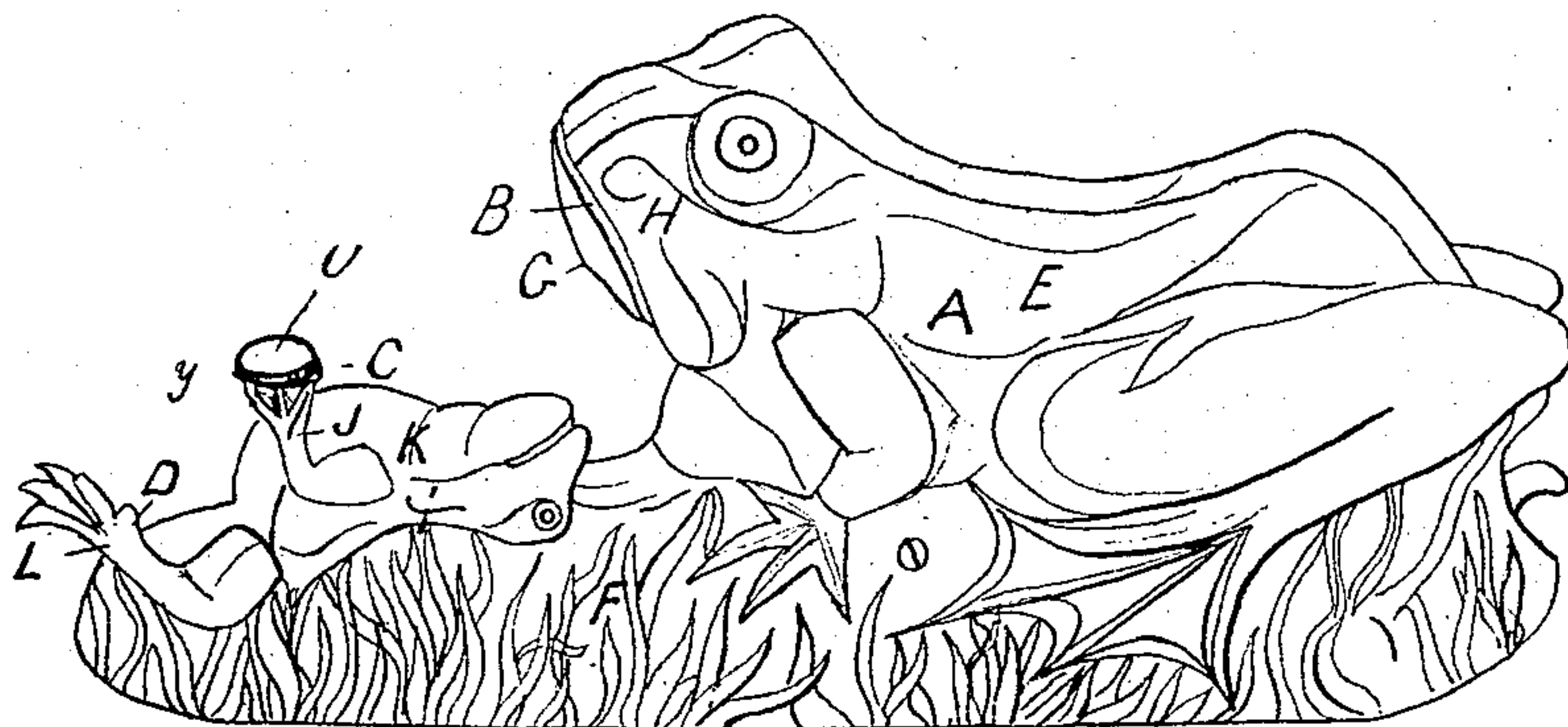


FIG. 2.

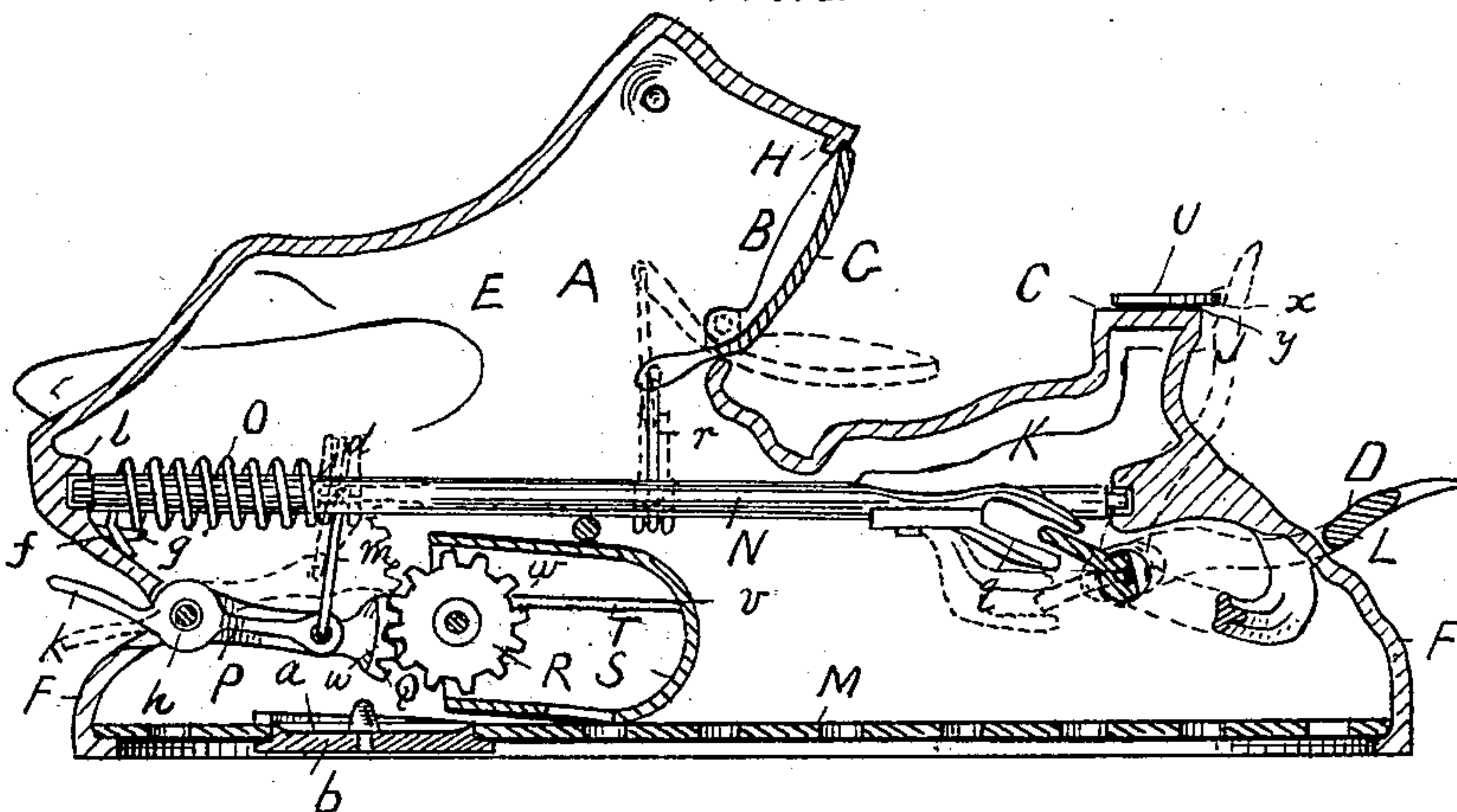
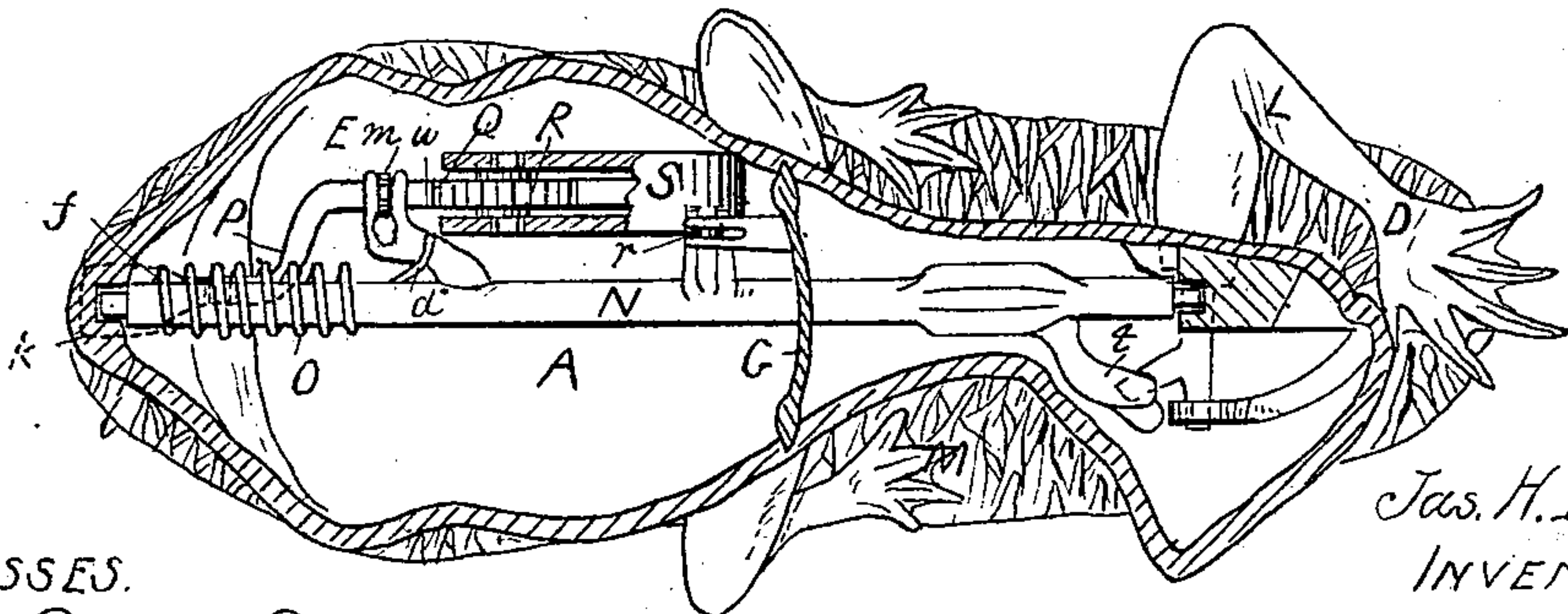


FIG. 3.



WITNESSES.

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TOY SAVINGS-BANK.

SPECIFICATION forming part of Letters Patent No. 262,361, dated August 8, 1882.

Application filed June 23, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. BOWEN, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Toy Savings-Banks, of which the following is a full, clear, and exact description.

This invention consists mainly, first, of a toy savings-bank composed of a money-receptacle having an aperture through which to receive money, a stationary money stand or rest, and a money-projecting device connected to and forming part of the toy and operating to forcibly strike the money and project or throw it from the stationary money stand or rest into the money-receptacle; second, of a toy savings-bank composed of a receptacle for money having an aperture or opening for money to be passed through it into the receptacle, and that is adapted to be opened and closed, of a stand or support in front of said opening on which to place the money, and of a device constructed and arranged to project the money placed on said stand through said aperture into said receptacle; third, of a toy savings-bank composed of a receptacle for money, having an opening or aperture for money to be passed through it into the receptacle, and that is adapted to be opened or closed, of a stand or support in front of said opening on which to place the money, and of a device constructed and arranged to project the money placed on said stand through the aperture into said receptacle, and afterward to secure an automatic return of said projecting device to its normal position, in combination with mechanism to open and close said aperture in proper relation to the said movements of said money-projecting device; fourth, of a toy savings-bank composed of a receptacle for money, made either in whole or in part in the image of a living being, and constructed and arranged to have the mouth open and close so that money can be passed through it into said receptacle, of a stand or support in front of said opening and closing mouth, on which to place the money, consisting of the representation of a leg or other limb or part of a living being, and of a device for projecting the money placed on said stand through said mouth into said receptacle, consisting in one of its parts of the repre-

sentation of a leg or other limb or part of a living being.

The invention embraces other features which will be hereinafter described, and pointed out in the claims.

The accompanying plate of drawings illustrates the present improved toy savings-bank with its several parts above set forth constructed and arranged in connection with the images of two frogs, as will hereinafter fully appear.

In the plate of drawings, Figure 1 is a perspective view. Fig. 2 is a central longitudinal vertical section; and Fig. 3 is a horizontal section on line *x x*, Fig. 2.

In the drawings, A is the money receptacle or bank, having a money-receiving opening or aperture, B. C is the money stand or support, and D is the money-projecting device.

The money-receptacle A is made in the image of a frog, E, sitting upon a mound, F.

The aperture B is the mouth of the frog, and the lower jaw, G, of the mouth is arranged to open from and close against its upper jaw, H.

The money stand or support C is in front of the opening and closing mouth of the receptacle A, and it rests upon the spread-out claws of one leg J of another image of a frog, K, lying upon its back upon the mound F.

The money-projecting device D consists of a leg, L, of the frog K, carrying the money-stand C, as before described, and this leg is arranged to turn in the body portion of the frog, and also it and said aperture or mouth B and stand C are arranged in such relation to each other that by the swing of said projecting device D or leg L in one direction it will properly strike a coin, U, placed upon the stand, to project it therefrom into and through the open aperture or mouth of the sitting frog or money-receptacle A, and thus into said receptacle.

The mound F makes the base of the money-receptacle, and the money-receptacle is closed on all sides except at the mouth or aperture B for receiving the money projected from the money-stand; but for convenience of emptying it of its contents when so desired, and for any other necessary purpose, the bottom plate, M, of the mound F is provided with a circular aperture, *a*, closed by a circular lid or cover,

b, constructed to fit within said aperture and to be engaged therewith, all in any suitable manner, to protect it against removal except with a suitable key.

5 The money-receptacle interiorly is provided with mechanism such as follows:

N is a horizontal shaft running lengthwise, and turning at each end in suitable bearings of the receptacle.

10 *O* is a spring. This spring is coiled about, and at one end, *d*, it is fastened to, the shaft *N*, and at the other end, *f*, it is confined against turning with the shaft by an abutment of such end against a fixed rest, *g*, of the receptacle *A*,
15 all so that the turning of the shaft in one direction will be against and in the other with the spring, because of the reaction of said spring.

P is a horizontal lever turning upon a fulcrum-pin, *h*, of the money-receptacle. This lever, by its finger or thumb piece *k*, projects from the end *l* of the money-receptacle, and by a short link or rod, *m*, it is connected to the horizontal shaft *N*, all in a manner for the depression of its projecting finger-piece to turn
25 the shaft against its spring.

r is a short link or rod connecting shaft *N* with the hinged under jaw of the frog's mouth *B*, and *t* is a notched arm on shaft, engaging with the inner end of the swinging money-projecting device *D* or leg *L* of the recumbent frog *K*. The engagement of shaft *N* with hinged under jaw *G* and with money-projecting device *D* or frog's leg *L* are each and both such that the depression of the projecting finger-piece *k* of the lever *P* will cause the lower jaw to be opened from the upper jaw, thus opening the mouth or aperture *B*, and the leg *L* of the frog *K* or money-projecting device *D* to be swung toward the money-stand *C*, and all
40 in such relation to each other that the mouth will be opened in time to receive the money projected from the money-stand by the operation of the money-projecting device *D* or frog's leg *L*. The reaction of the spring *O* causes the moving jaw *G* and money-projecting leg *L* to return to place when the finger is removed from the actuating-lever.

The inner end, *u*, of the operating-lever *P* has a sector-gear, *Q*. This sector-gear *Q* engages with a gear-wheel, *R*, turning within a resonant casing, *S*, fastened in any suitable manner to the inside of the money-receptacle *A*, and provided with a spring tongue or piece, *T*, made fast at one end, *v*, and at the other
55 end, *w*, left free to rest upon the teeth of the gear-wheel, so as to be vibrated by them as the wheel is rotated, and thus made to produce sounds or tones, in the present instance those in imitation of the croaking of frogs, for the reason that images of frogs are used to make up the money-receptacle and other parts of the bank, as has been described.

The above in substance completes the description of the present improved toy savings-bank; and in using it first place the coin, &c.,
65 *U* upon the support or stand *C* so that its edge

x will project over the edge *y* of said stand toward the location of the money-projecting device *D*, and then depress the finger end *k* of the operating-lever *P* with sufficient force to secure, by the consequent movement of the leg or money-projecting device toward the money-stand and against the so-projecting edge of the coin, the projection or throw of such coin toward and into and through the mouth *B* of the money-receptacle, which, in consequence of such operation of the lever, has been opened in time to receive it.

The savings bank herein described may be made in the image of living beings of any kind and character or of any other desired shape. Its aperture for receiving money may be arranged to remain open at all times, or to be either opened or closed directly with the hand instead of by mechanism. The money-projecting device may be arranged to be operated directly by the hand in lieu of as described. Other sound-producing devices may be substituted for that particularly described, and they may be arranged to operate either before or after or simultaneously with the projecting of the money into the receptacle; or all sound-producing devices may be dispensed with. The moving parts of the bank may be arranged to be operated separately and distinctly from each other, and each to be operated, as described, by a separate spring or weight, or by one and the same spring or weight; and a weight may be substituted for the spring herein shown and described, and connecting mechanism other than that particularly described may be employed, all without departing from the spirit of the present invention; but, as is plain, all the features above referred to are advantageous, useful, and pleasing to combine in one and the same toy savings-bank.

The toy savings-bank herein described is to be made of any suitable material—as, for instance, cast-iron, painted.

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

1. A toy savings-bank composed of a money-receptacle, *A*, having an aperture, *B*, through which to receive money, a stationary money stand or rest, *C*, and a money-projecting device, *D*, connected to and forming part of the toy and operating to forcibly strike the money and project or throw it from the money stand or rest into the money-receptacle, substantially as described.

2. A toy savings-bank composed of a money-receptacle, *A*, having an aperture, *B*, through which to receive money, and that is arranged to open and close, of a money stand or rest, *C*, and of a money-projecting device, *D*, combined and arranged and operating together substantially as described, for the purpose specified.

3. A toy savings-bank composed of a money-receptacle, *A*, having an aperture, *B*, through which to receive money, and that is arranged

to open and close, of a money stand or rest, C, of a money-projecting device, D, and of mechanism for opening and closing said aperture and operating said money-projecting device, all combined and arranged and operating together substantially as described, for the purpose specified.

4. A toy savings-bank composed of a money-receptacle, A, made either in whole or in part in the image of a living being, and to have the mouth thereof open and close, of a money stand or rest, and of a money-projecting device, each and both in the form of the leg or other limb or part of a living being, combined and arranged together and operating together substantially as and for the purpose described.

5. A toy savings-bank composed of a money-receptacle, A, made in the image of a frog, E, sitting upon a mound, F, and having its mouth H arranged to open and close, of a money support or rest, C, made and attached to the image of a frog lying upon its back up-

on said mound, and of a money-projecting device made of a leg of said recumbent frog, combined and arranged to operate together substantially as and for the purpose described.

6. A toy savings-bank composed of a money-receptacle, A, having an aperture provided with an opening and closing lid, G, of a money stand or rest, C, and of a swinging money-projecting device, D, in combination with a shaft, N, a coiled spring, O, an operating-lever, P, links *m r*, connecting lever P and lid G to said shaft N, and notched arm *t*, engaging with money-projecting device, all substantially as and for the purpose and operation described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

J. H. BOWEN.

Witnesses:

EDWIN W. BROWN,
W. S. BELLOWS.