

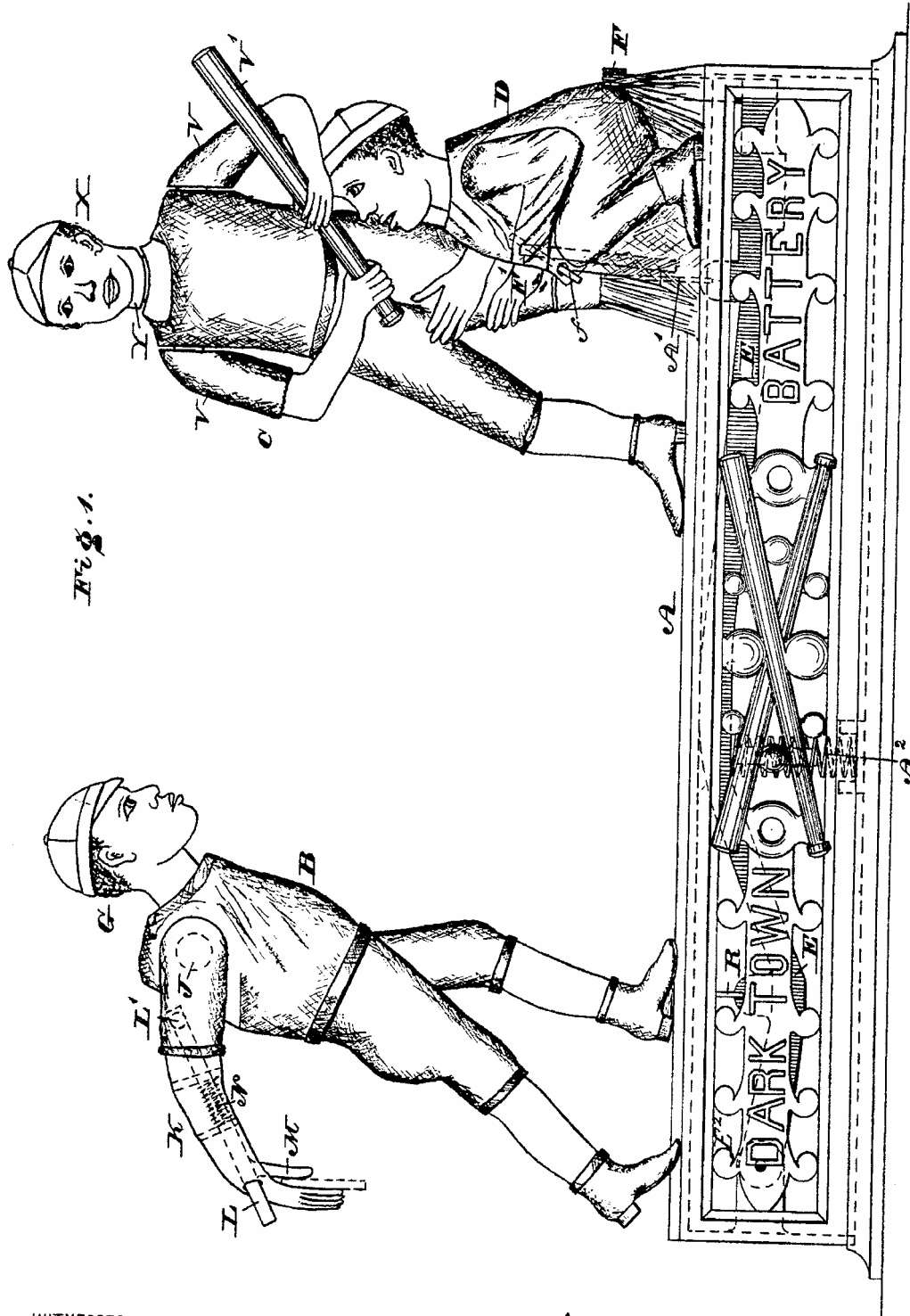
(Model.)

2 Sheets—Sheet 1.

J. H. BOWEN.
TOY MONEY BOX.

No. 376,628.

Patented Jan. 17, 1888.



WITNESSES:
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Jos. A. Kelly.

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Fig. 2.

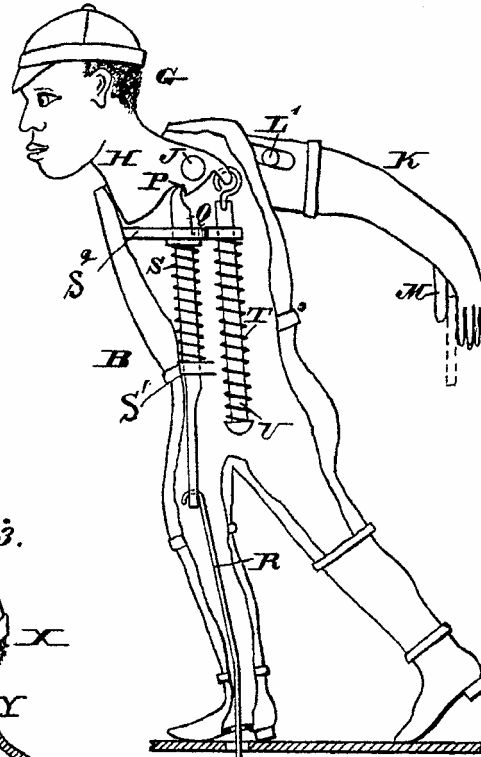


Fig. 3.

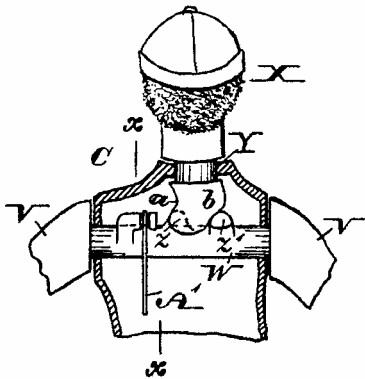


Fig. 4.

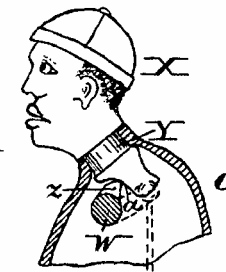


Fig. 5.

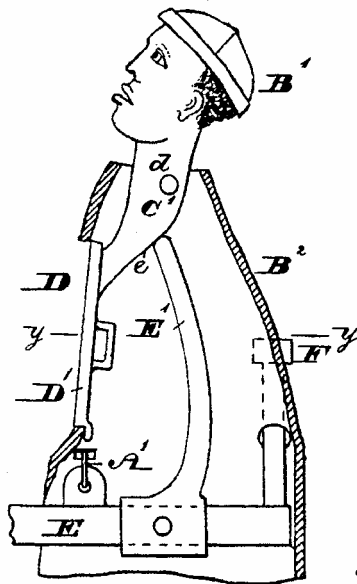
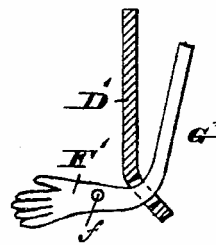


Fig. 6.



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UNITED STATES PATENT OFFICE.

JAMES H. BOWEN, OF PHILADELPHIA, PENNSYLVANIA.

TOY MONEY-BOX.

SPECIFICATION forming part of Letters Patent No. 376,628, dated January 17, 1888.

Application filed July 21, 1887. Serial No. 244,870. (Model.)

To all whom it may concern:

Be it known that I, JAMES H. BOWEN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Toy Money-Boxes, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a toy money-box composed of figures and means for operating various members thereof, in imitation of a game of ball.

Figure 1 represents a side elevation of a toy embodying my invention. Fig. 2 represents a view of the interior of the figure simulating the pitcher of the game. Fig. 3 represents a vertical section of a portion of the figure simulating the batter of the game. Fig. 4 represents a vertical section in line *x x*, Fig. 3. Fig. 5 represent a vertical section of the figure simulating the catcher of the game. Fig. 6 represents a horizontal section of a portion in line *y y*, Fig. 5.

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

Referring to the drawings, A represents a box constituting the base of the toy, and B C D represent figures supported thereon, said figures being, respectively, of the form of the pitcher, batter, and catcher of a game of baseball. Within the base is a lever, E, which is pivoted at one end at E² to said base, and having its other end connected with a thumb or finger piece, F, which is conveniently accessible at the top of the base.

The head G of the figure B has its neck H formed with journals J, which are mounted on the walls of the body of the figure. Connected with one of the journals is the arm K, within which is a sliding rod, L, to the lower end of which the thumb M of the hand of said arm is secured. A spring, N, bears against said rod, whereby the thumb M is forced toward the other fingers of the hand, forming together a holder for the coin to be subsequently deposited in the box A. The upper end of the rod has a lateral extension, L', which projects through the arm and is adapted to strike the body of the figure B when the arm is lowered.

The under side of the neck H of the head of

the figure B has a shoulder, P, which is adapted to be engaged by the upper end of a sliding dog, Q, whose lower end is attached by a rod, R, to the lever E, said rod passing through one of the legs of the figure.

A spring, S, bears against the projection S' on the inner side of the body of the figure B, while the upper end of the said spring is secured to the dog for holding it in its elevated position, and a spring, T, bears against a head on the lower end of the rod U, which is located within the body of the figure B, and connected with the rear end of the neck H, whereby the head G is held in elevated position, the said dog Q and rod U being guided in slots or openings in the projections S² on the inner side of the body of said figure B.

The figure C has its arms V, which carry a bat, V', connected with a rock-shaft, W, whose bearings are on the walls of the body of the figure. The head X of said figure C has its neck Y journaled in the top of the body of the figure, and provided on its lower end with two cam-faces, *a b*, which may be engaged by lugs Z Z' on opposite sides of the rock-shaft W. The lug Z is adapted to engage with the cam *a* and the lug Z' with the cam *b*, so as to rotate the neck when the rock-shaft W is operated, whereby the head X is rotated as it is thrown to the front. The rock shaft W is operated by means of a rod, A', which, pivoted to said shaft, passes through the body and one of the legs of the figure C and is connected with the lever E.

The figure D has its head B' pivoted, as at *d*, to the body B² thereof, so as to be capable of swinging forward and backward. The neck C' of said figure has a depending door, D', which closes an opening in the front of the body of said figure D. Within the body B² is an arm, E', which engages with a cam-surface, *e*, on the under side of the neck C' and is secured to the lever E, it being seen that when the lever is depressed the upper end of the arm E' withdraws from the neck C', and as the door D' constitutes a weight for the head B' the latter moves forward and said door opens by gravity, thus uncovering the front of the body B², whereby a coin may be directed into said body, as will be hereinafter described, said body being in communication with the

box A, so as to permit the coin to drop there-into.

Within the box is a spring, A², which presses upwardly against the lever E for returning the same to its normal position.

5 The hand F' of the figure D is connected with the wall of the body thereof by a pivot, f, so as to swing laterally, the wrist G' being extended inwardly, so as to be engaged by the
10 door D' of the figure.

The operation is as follows: The arm K of the figure B is thrown back and a coin or piece of money pressed between the thumb M and hand of the figure, so as to be held by the
15 same. As the head G, which is connected with the arm, moves forward, the dog Q engages with the shoulder P as a catch and prevents the head and arm from returning to their
20 normal position. The thumb or finger piece is now depressed and let go immediately thereafter, whereby, owing to the lever E, the dog Q is disengaged from the shoulder P, and the spring T quickly raises the head G and lowers the arm K, so that the coin is forced from the
25 hand of the figure and impelled toward the figure D, the coin having been released of the holding action of the thumb, owing to the motion imparted to the thumb by the pin or extension L' of the rod L striking the body of
30 the figure. These motions of the head and arm have thus imitated the actions of the pitcher in a game of base-ball. Simultaneously therewith the rod A' is depressed, whereby the rock-shaft W is rotated and the
35 arms V of the figure C are thrown forward and upward, as if in the act of batting. The lugs Z Z' alternately engage with the cam-faces a b of the neck Y' of the figure C, and thus cause the operation of the head X so as to impart a
40 partial rotary and a rising-and-falling or gravitating motion thereto, in imitation of those made by the batter as he watches the coming ball to strike the same and then makes the strike. The arm E' in the figure D leaves the
45 cam-face c of the neck C' of said figure, whereby, owing to gravitation, the door D' opens just as the impelled coin reaches the same, and thus the coin enters the figure D and drops into the box A.

50 The head B' of the figure B swings forwardly and the wrist G' of the hand F' is pressed inwardly by the door D', so that said hand moves toward the opposite hand, V², which in the present case is stationary, there thus being
55 imitated the catching of a ball.

When the piece F' is let go, the rock-shaft W is rotated, whereby, owing to the lug Z' and cam-face b, the head and arms V return to their normal position. The arm E' of the
60 figure D, under the action of the spring A², presses against the neck C' and rides on the cam c, whereby the door D' is closed and the hand F' is released.

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

1. In a toy money-box, the box A, with pivoted lever E, in combination with the figure B, having an oscillating arm with hand, and a sliding rod secured to said arm and having
70 a finger, substantially as and for the purpose set forth.

2. In a toy money-box, the figure B, having an oscillating arm with hand and a sliding rod with finger, and a lateral projection or extension, L', said parts combined and operating
75 substantially as and for the purpose set forth.

3. The box A, with pivoted lever E, in combination with figure B, having a pivoted head with the shoulder P, the spring-dog Q and rod
80 R, and the spring-rod U, said parts being combined substantially as and for the purpose set forth.

4. The pivoted lever E, in combination with the figure B, having an inner projection, S², a
85 pivoted head with the shoulder P, the spring-dog Q, with rod R, connecting said dog to lever E, and the spring-rod U, said parts being combined substantially as and for the purpose set forth.

5. In a toy money-box, the box A, with lever E, in combination with the figure C, having arms holding a bat, a rock-shaft to which said arms are connected, lugs on said shaft, and an oscillating and rotary head, having cams a
95 and b, engaging with said lugs, substantially as and for the purpose set forth.

6. The box A, with lever E and arm E', in combination with the figure D, having opening in front, a head with pivoted neck C', the
100 latter having a cam side, c, and a door, D', the said arm E' bearing against the cam c, substantially as and for the purpose set forth.

7. A figure having a head with a neck journaled in the body thereof, said neck having
105 cam-faces, substantially as described, in combination with a shaft having lugs which are adapted to engage with said cam-faces, as stated.

8. A toy money-box having the box A, with
110 operating-lever E, pivoted therein, the figure B, representing a pitcher, and having an oscillating arm with hand and a movable thumb, the figure D, with an opening in front and a swinging door closing said opening, and mechanism, substantially as described, for connecting
115 said oscillating arm and said swinging door with said operating-lever E, said parts being combined substantially as and for the purpose set forth.

9. In a toy money-box, the figure D, having an oscillating head with neck C', and door D', with opening therein, the pivoted hand F', having wrist G', and the lever E, with arm E',
120 said parts being combined substantially as and for the purpose set forth.

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Witnesses:

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