

J. H. BOWEN.
TOY MONEY BOX.
APPLICATION FILED JULY 30, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

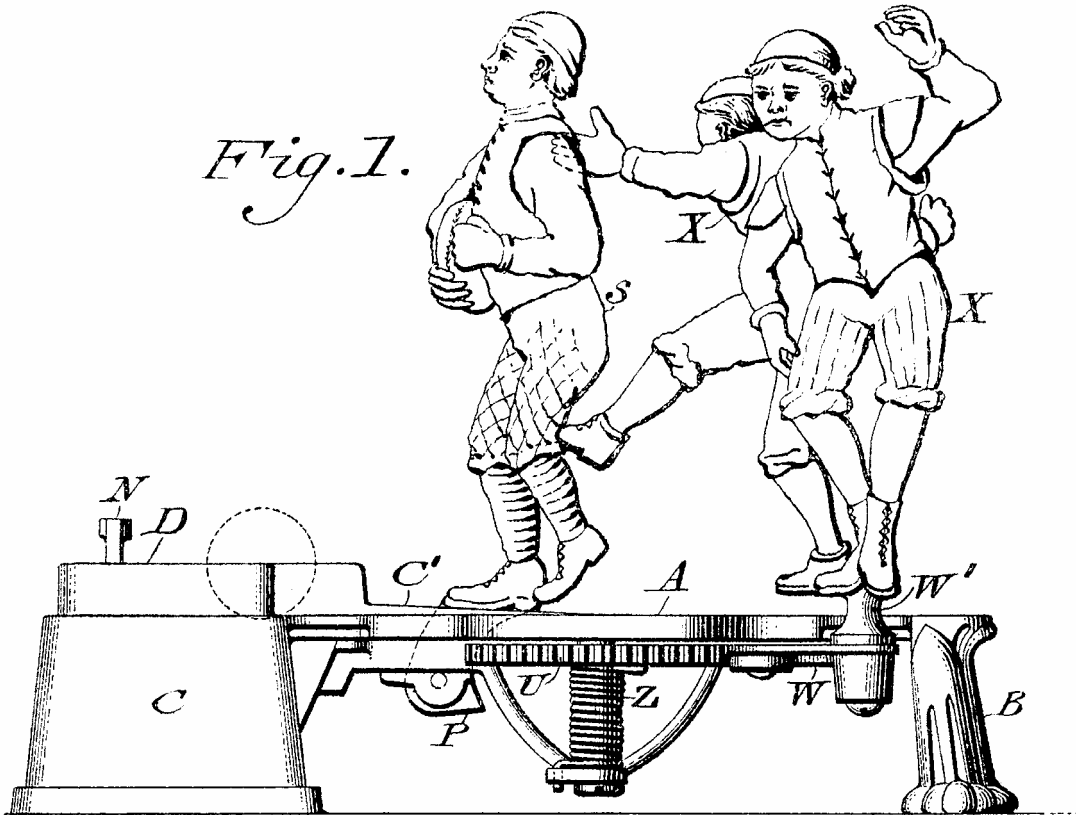
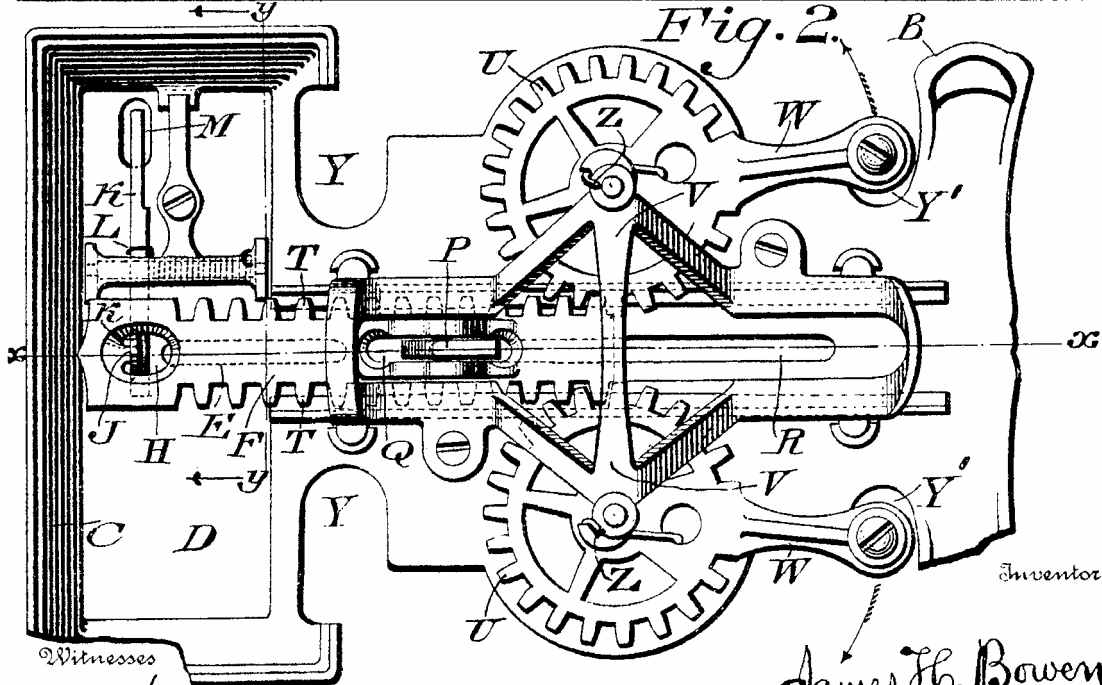


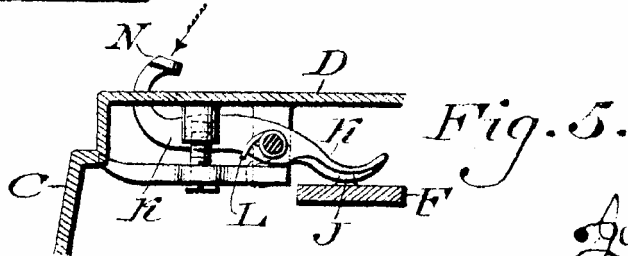
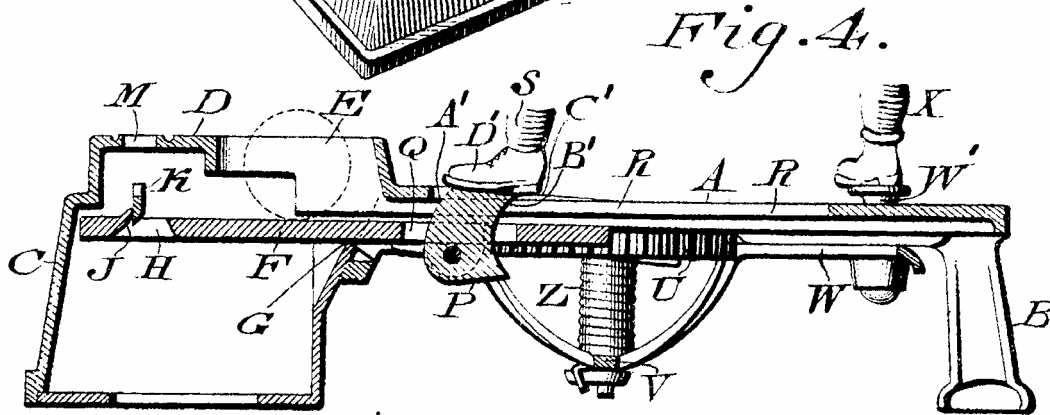
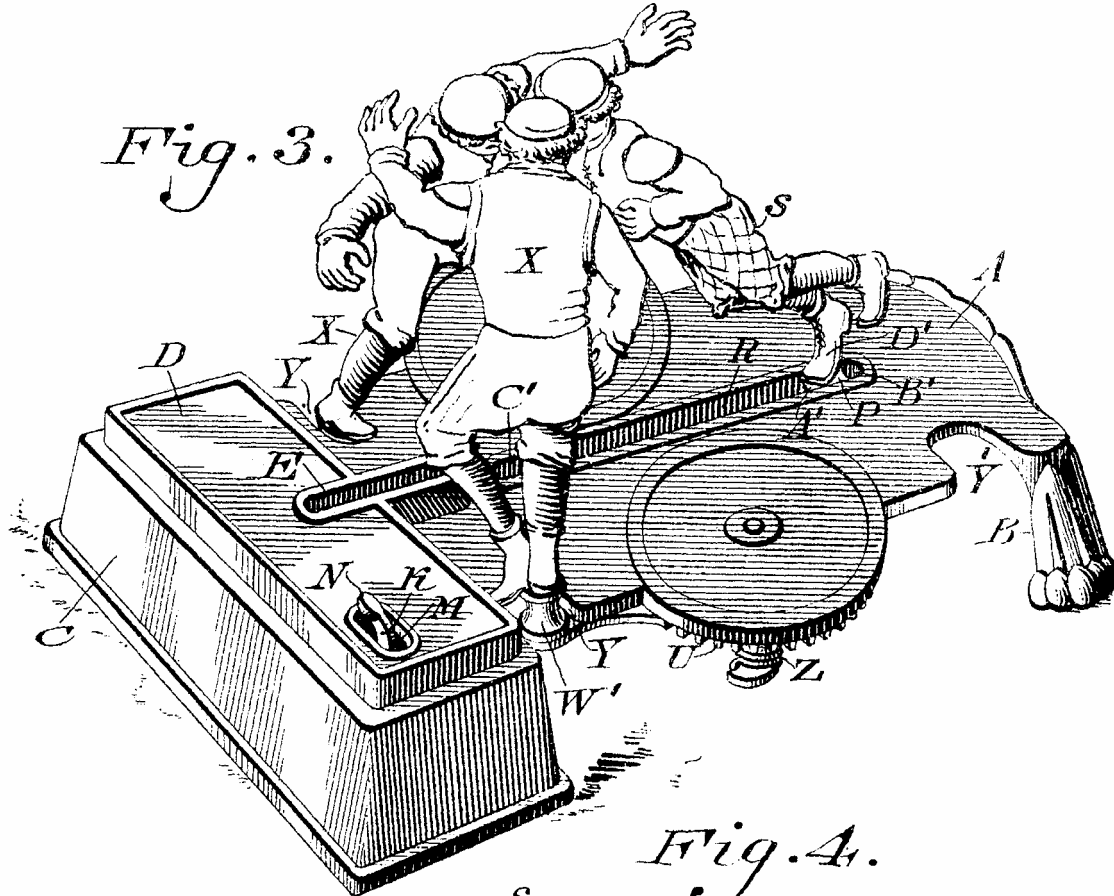
Fig. 2.



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UNITED STATES PATENT OFFICE.

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TOY MONEY-BOX.

No. 798,491.

Specification of Letters Patent.

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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, of which the following is a specification.

My invention consists of a toy money-box embodying movable guides which may be placed in different positions to simulate a game, such as foot-ball, where a figure is apparently making a touch-down and other figures are apparently attempting to prevent the same, as will be hereinafter described, the novel features being pointed out in the claims.

Figure 1 represents a side elevation of a toy money-box embodying my invention. Fig. 2 represents a bottom plan view thereof. Fig. 3 represents a perspective view, the parts being in a different position from that shown in Fig. 1. Fig. 4 represents a central longitudinal vertical section thereof. Fig. 5 represents a transverse vertical section of a portion on line *y y*, Fig. 2.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates the base-plate of the toy, which is supported at one end on the legs B and at the other end on the box C, which parts are suitably connected with said plate. In the top D of said box is the slot E, forming an inlet for the coin or money which is to be deposited in the box.

F designates a slide or sliding bar, which is freely supported below the plate A, its forward end being adapted to enter the box C through an opening G in the inner side of said box, especially when the parts are in position, (shown in Figs. 1, 2, and 4,) said end having therein a recess H, one wall whereof is raised, forming the lip J, which is adapted to be engaged by the lower limb of the latch or trigger K, which is pivotally mounted within said box and engaged by the spring L for holding said latch or trigger in its operative and return position. The upper limb of said latch or trigger protrudes through a slot M in the top of the box and has a finger-piece N, whereby the latch may be conveniently operated in order to release the slide F of the holding action of said catch.

To the slide F is pivoted the traveler P, which passes freely upward through a slot Q in said slide and an elongated slot or runway R in the base-plate A, said slots extending in the longitudinal direction of the toy. Con-

nected with said traveler is the figure S, which in the present case simulates a foot-ball player in the act of running with a ball in his hand. The sides of the slide are provided or have formed with them the racks T, with which mesh the enlarged pinions or gear-wheels U, whose bearings V are connected with the under side of the plate A.

Projecting from the peripheries of the wheels U are the arms W, from which rise the pedestals W', on which latter are supported the figures X, it being noticed that the sides of the base-plate A are formed with recesses Y Y' to receive said pedestals W' in the different positions of said figures X, the figures in the present case being in the form of foot-ball players. Connected with the axes of the wheels U and adjacent fixed members are the springs Z for exerting pressure on said axes to cause the return of the figures X to their normal positions.

On the forward face of the traveler P is the cam A', which is curved outwardly, and on the rear face of the same is the cam B', which is curved inwardly. On the upper face of the wall of the runway R, at the front end thereof, are inclined planes C', on which the sole of the shoe D' of the figure S is adapted to ride.

Primarily the figures X are at the front of the plate A and the figure S at the rear thereof. I denominate the box C as occupying the front of the device. The figures are inclined toward each other and their heads T contact while the figures X are apparently in the path of the figure S, as if preventing the advance of the latter, the operation being as follows: Either figure X is grasped and moved rearward, whereby both figures X rotate with the gear-wheels V, and the racks T, meshing with said wheels, advance the slide F and place its forward end within the box C, beneath the slot E, and cause the latch or trigger K to engage with the lip J, thus locking said slide, it being noticed that the figures X occupy a position at the rear of the plate A, the pedestal W' entering the recesses Y' and stopping against the walls thereof. The figure S has, however, advanced with the slide to the front of the plate, its traveler P having moved along in the runway R as it is carried by the slide F. When the cam A' of the traveler P reaches the end of the wall of the runway R, it rides against the same, thus generally throwing back said traveler, and consequently the figure S and changing the inclined position of said figure S to one more upright. Then as

soon as said figure passes the center of gravity it assumes a truly upright position and its foot is seated on the inclined plane C' and so held. The springs Z are wound up by the rotation of the axes of the gear-wheels U, and their tension is increased for purposes hereinbefore stated. A coin is now placed in slot or inlet E, and as it rests on the portion of the slide F below the same (see Fig. 4) it is temporarily detained, the position of parts being most clearly shown in Fig. 1. When the latch or trigger K is operated, the slide is released, whereby it quickly returns to its first position, when the coin, no longer controlled, drops into the box C, whereby it is deposited. The racks of the slide F impart motion to the gear-wheels U, and the latter carry the figures X from the rear to the front. Simultaneously therewith the figure S is carried by the slide to the opposite end of the runway, and when the cam B' reaches the wall thereof it rides thereagainst and throws the figure S forwardly, so that it assumes an inclined position as if to make a touch-down, when its head strikes or apparently strikes the heads of the figures X, thus simulating the stoppage of the run of the figure S by the figures X and the preventing of the touch-down, as shown in Fig. 3. The toy may then be reset, when the parts assume the position shown in Fig. 1, after which a coin may be introduced in the slot E and detained on the slide F, after which the latch may be operated to trip the slide, when the operations hereinbefore described are repeated, the figures again assuming the position shown in Fig. 3.

It will be evident that various changes may be made by those skilled in the art which will come within the scope of my invention, and I do not, therefore, desire to be limited in every instance to the exact construction herein shown and described.

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 combination with a money-receptacle having a money-inlet and a bar adapted to partly enter said receptacle below said inlet, of figures adapted to simulate part of a foot-ball game, comprising a figure connected with said bar, a support for another figure, means for imparting sliding motion to said bar, means for imparting rotary motion to said support and means for lowering the sliding figure, whereby the latter simulates an attempt to make a touch-down.

2. In a toy money-box, the combination with a money-receptacle having a money-inlet and a bar adapted to partly enter said receptacle below said inlet, of figures adapted to simulate part of a foot-ball game, comprising a figure connected with said bar, a support

ing motion to said bar, means for imparting rotary motion to said support, and means for lowering the sliding figure, whereby the latter simulates an attempt to make a touch-down.

3. A toy money-box having a receptacle, a base-plate, slidable and rotatable figures on said plate, means for running back the sliding figure, means for imparting motion to the rotatable figure so that it is placed in front of the sliding figure and means for causing the first-named figure to lower at the end of its motion and have its head engaged by that of the other figure.

4. In a toy money-box, a plate having a runway therein, a bar mounted on said plate, a figure, a piece connecting said bar and figure, said piece being movable in said runway, means for causing said figure to lower at one end of said runway and means for causing said figure to rise over the other end of said runway.

5. A plate, a slide mounted therein, a figure mounted on said slide, means for locking said slide, a receptacle connected with said plate and a coin-inlet in said receptacle, said slide being adapted to enter said receptacle below said inlet as a detaining device for a coin and said locking means being on said receptacle and slide.

6. A plate, gear-wheels mounted thereon, figures connected with said wheels, a slide supported on said plate, racks on said slide adapted to mesh with said wheels, means for locking said slide, a money-receptacle having an opening in its side adapted for the partial entrance of said slide into said receptacle and a coin-inlet in said receptacle above said slide, said means being located on said receptacle and slide.

7. A plate, a slide thereon, a figure connected with said slide, a wheel on said plate geared with said slide, an arm projecting from said wheel, a figure, a supporting member for the latter on said arm, said plate having recesses in the side thereof to receive said supporting member, and means on said sliding figure and plate adapted to lower said figure at the end of its movement.

8. In a toy money-box, a receptacle having an inlet, a plate connected with said receptacle, a figure, a slide mounted on said plate carrying said figure, said slide being adapted to enter said receptacle below said inlet as a detaining device, means for connecting said slide, a catch mounted on said receptacle and means on said slide with which said catch is adapted to engage.

9. In a toy money-box, a plate having a runway therein, a sliding bar mounted on said plate, a traveler pivotally mounted on said bar and movable in said runway, means for operating said bar and a figure connected with said traveler and reversely-faced cams on opposite sides of said traveler, said cams being

adapted to contact respectively with the opposite end walls of said runway.

10. A plate having a runway, a figure, a slide, a traveler pivotally mounted on said slide and movable in said runway and a figure connected with said traveler, said plate and traveler having means thereon whereby said figure may be placed in inclined and upright positions.

11. In a toy money-box, a plate having a runway, a sliding bar mounted on said plate, a traveler movably mounted on said bar and

freely movable in said runway, a figure connected with said traveler, a cam on said traveler and an inclined plane on said plate adjacent to said runway on which the foot of said figure is adapted to ride, said cam being adapted to engage the adjacent end wall of said runway.

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