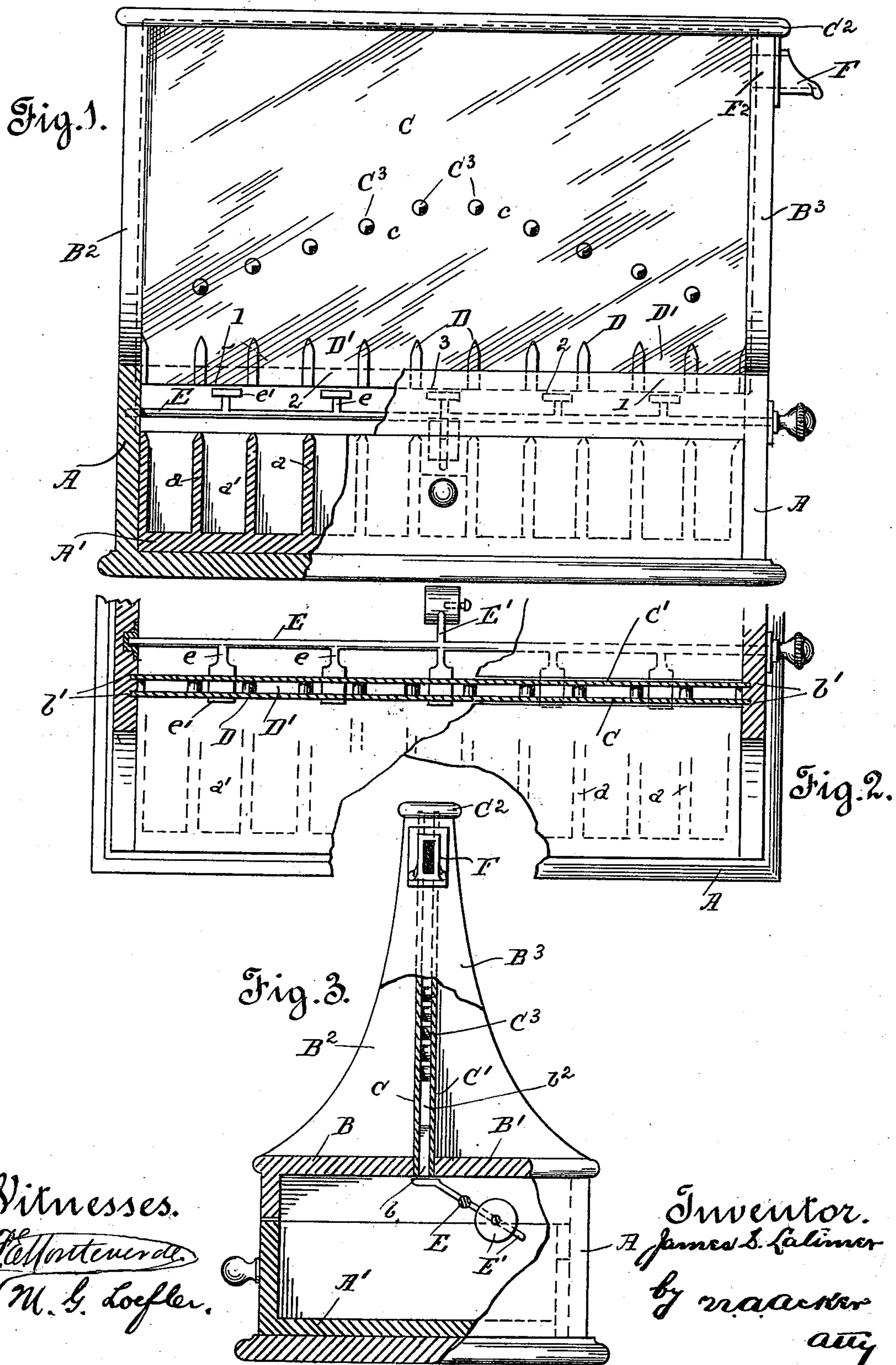


(No Model.)

J. D. LATIMER.
TOY.

No. 510,919.

Patented Dec. 19, 1893.



UNITED STATES PATENT OFFICE.

JAMES D. LATIMER, OF SAN FRANCISCO, CALIFORNIA.

TOY.

SPECIFICATION forming part of Letters Patent No. 510,919, dated December 19, 1893.

Application filed July 17, 1893. Serial No. 480,744. (No model.)

To all whom it may concern:

Be it known that I, JAMES D. LATIMER, a subject of the Queen of Great Britain, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Toys; and I do hereby declare the following to be a full, clear, and exact description of said invention, such as will enable others skilled in the art to which it most nearly appertains to make, use, and practice the same.

This invention relates to an improved toy, which consists in locating between two plates, secured within a suitable frame, an inclined row of pins, disks, buttons, lugs or pegs, over and between which a piece of metal or composition chip works, after being discharged from a receiver, while traveling toward a series of channels or pockets, which extend through the top of the box and communicate with a receiving drawer, and in providing an oscillating or movable rod for controlling the outlet or discharge of a number of the channels or pockets, all as will be hereinafter more fully set forth and described.

In order to more fully understand my invention, reference must be had to the accompanying drawings forming a part of this application.

Figure 1, is a front elevation, partly broken away. Fig. 2, is a longitudinal sectional plan view; and Fig. 3 is an end elevation partly broken away.

The letter A indicates the base or box within which fits the receiving drawer A', said drawer being divided by the partitions *a*, into a number of compartments *a'*. The top of the box, by preference, is made in two sections B, B', and an opening or space *b*, is left between the inner edges thereof. However, if so desired, the top may be formed solid and a longitudinal slot cut therein.

From the box A, upwardly extend the frame or side pieces B², B³, and between said pieces I secure the plates C, C', which may be inserted within grooves *b'*, or otherwise be held between said pieces. These plates are located a distance apart so as to form the passage way *b*², equal in width to that of the slot or space *b*. The opening between the

plates is closed by means of the cap-piece C², which is glued or otherwise fastened to the top of side pieces B², B³.

Between the plates C, C', I secure a row of disks, buttons, lugs, pins, or pegs C³, which are placed such a distance apart as to leave an opening or runway *c*, therebetween, through which the piece of metal, chip, ball or marble, thrown within the opening or passage-way *b*², passes, while traveling downward. This row of pins, &c., is run at an incline, as shown, and each pin or lug is made of an elastic material, such as rubber or leather, in order to give a rebound to the object striking thereagainst.

Near the bottom of the plates C, C', are secured the upright or parting strips D, which divide the distance between the side pieces B², B³, into a number of channels or pockets D'. These channels or pockets fall directly over the slot or opening *b*, consequently lead directly to the receiving drawer, the compartments of which are so arranged as to come beneath the pockets.

Certain of the pockets I number as shown, which numbered ones indicate the winning pockets, and should be closed against the outlet of the object, ball or chip, until the score thereof is recorded.

The numbered pockets I close by means of the rod E, which works within bearings secured within the box A, as shown, one end of the rod projecting outside of the box, having a knob or handle secured thereto. This rod is located to one side of the slot or opening *b*, and is provided with a series of arms *e*, which terminate in wings *e'*. The number of projecting arms correspond with the numbered pockets, as shown, and the wings *e'*, or enlarged ends of said arms cover said pockets and prevent the object, ball, marble chip or piece of metal entering therein, from being discharged into the compartments of the drawer corresponding therewith until said rod E, is turned so as to uncover said pocket. This rod E is also provided with a rearwardly projecting weighted arm E', which maintains the forwardly projecting arms in a raised position until the rod E, is turned or oscillated so as to uncover the pockets. The parting

strips D, are also, by preference, made of an elastic material similar to that of the lugs, and the lugs and parting strip are secured to and between the plates C, C' in any manner, as by the use of rivets or cement.

To the side piece B³, is secured the receiver F, the discharge tube F² of which extends through said piece and communicates with the passage-way b², into which the ball, marble, chip or piece of metal thrown from the receiver is discharged.

The object of the game or toy is to ascertain who can make the highest score from a given number of slots, and the same is played in the following manner: The operator places a marble, ball, chip or piece of metal within the receiver F. By suddenly striking the object, ball, marble, chip or piece of metal, the same will be discharged through the tube F² into the passage-way, where it may contact in its downward travel with one of the lugs, disks, buttons or pegs and be thrown from one to the other until it falls between the same, and falls into one of the pockets D'.

If the pocket is a closed one the number thereof is scored for the player and the rod E turned or oscillated so as to uncover same and permit the object ball, marble, chip or piece of metal to fall into one of the compartments of the drawer. By forming compartments in the drawer which correspond with the numbered pockets, any dispute as to what score was made by the operator in his series of throws may be settled by simply withdrawing the drawer and counting the contents of each compartment. If the object ball, marble, chip or piece of metal should fall into one of the open pockets, the operator makes no score, as these are the losing pockets.

By making the disks, pegs, &c., and the parting strips D, of elastic material a rebound will be given to the object contacting therewith, hence increasing the difficulty of placing the same in one of the numbered pockets.

It will be noticed that the success of the operator depends mostly upon the skill displayed in giving the proper force to the object ball, or chip as to cause it, when discharged, to describe such a path as will insure its passing into the proper pocket.

By preference I form both of the plates C, C' of glass so as to enable the operator or others

to watch the game being played, from either side.

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

1. In a toy, the combination with the frame, the transparent plates secured therein so as to leave a passage-way therebetween, a series of open pockets located between the plates near the bottom thereof, within the passage way, a row of pegs, buttons, disks or pins secured between the plates above the pockets, a discharge receiver communicating with the passage-way between the plates and the movable rod for covering and uncovering the bottom of certain of the receiving pockets, so as to control the discharge thereof.

2. In a toy, the combination with the hollow base, the compartment drawer working therein, the transparent plates secured so as to leave a passage-way therebetween, a discharge receiver communicating with said passage-way, the open pockets located between the plates at the bottom thereof, said pockets communicating with the compartments of the receiving drawer, a row of pegs, disks, buttons or pins secured between the plates above the pockets, and of the oscillating rod provided with a series of projecting arms or wings for covering and uncovering the bottom of certain of the receiving pockets with the oscillation of the rod in order to control the discharge thereof into the compartments of the receiving drawer.

3. In a toy, the combination with the two vertical transparent plates secured so as to leave a passage-way therebetween, the frame for holding the plates in position side by side, a discharge receiver extending through the frame and into the passage-way formed by the plates and a series of pockets arranged between the plates near the bottom thereof within the passage-way, certain of said pockets being opened while the others remain closed.

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

JAMES D. LATIMER.

Witnesses:

N. A. ACKER,
LEE D. CRAIG.