(No Model.) 3 Sheets—Sheet 1.

W. BOARDMAN.

COIN CONTROLLED GAME APPARATUS.

No. 493,395. Patented Mar. 14, 1893.

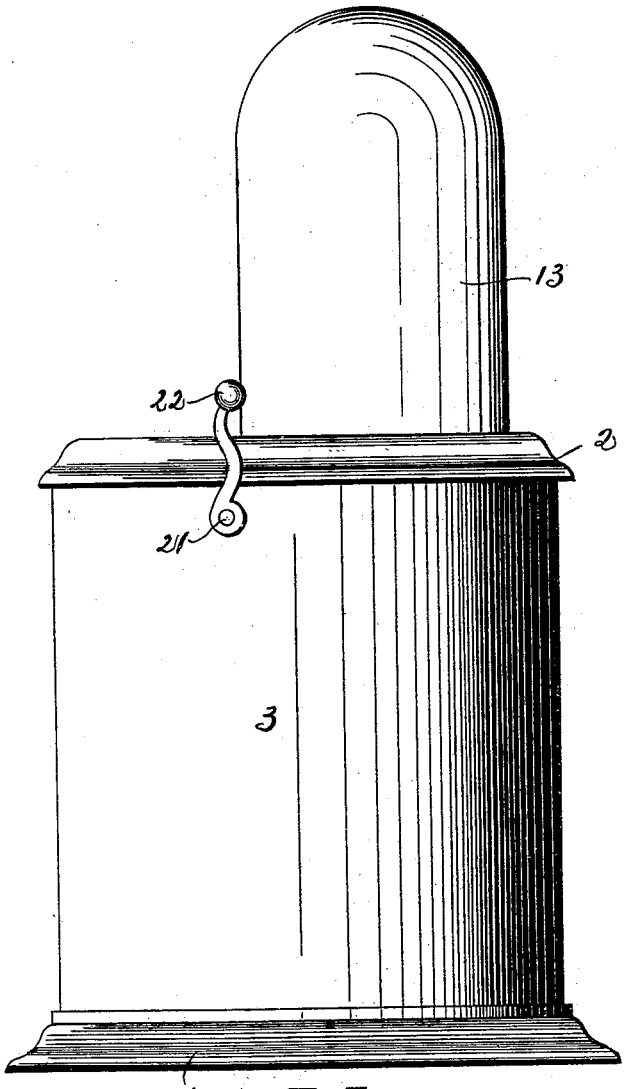


Fig 1.

WITNESSES

Carroll J. Webster

Floyd R. Webster

INVENTOR

Wyman Boardman

By William Webster

Atty.

(No Model.) 3 Sheets—Sheet 2.

W. BOARDMAN.

COIN CONTROLLED GAME APPARATUS.

No. 493,395. Patented Mar. 14, 1893.

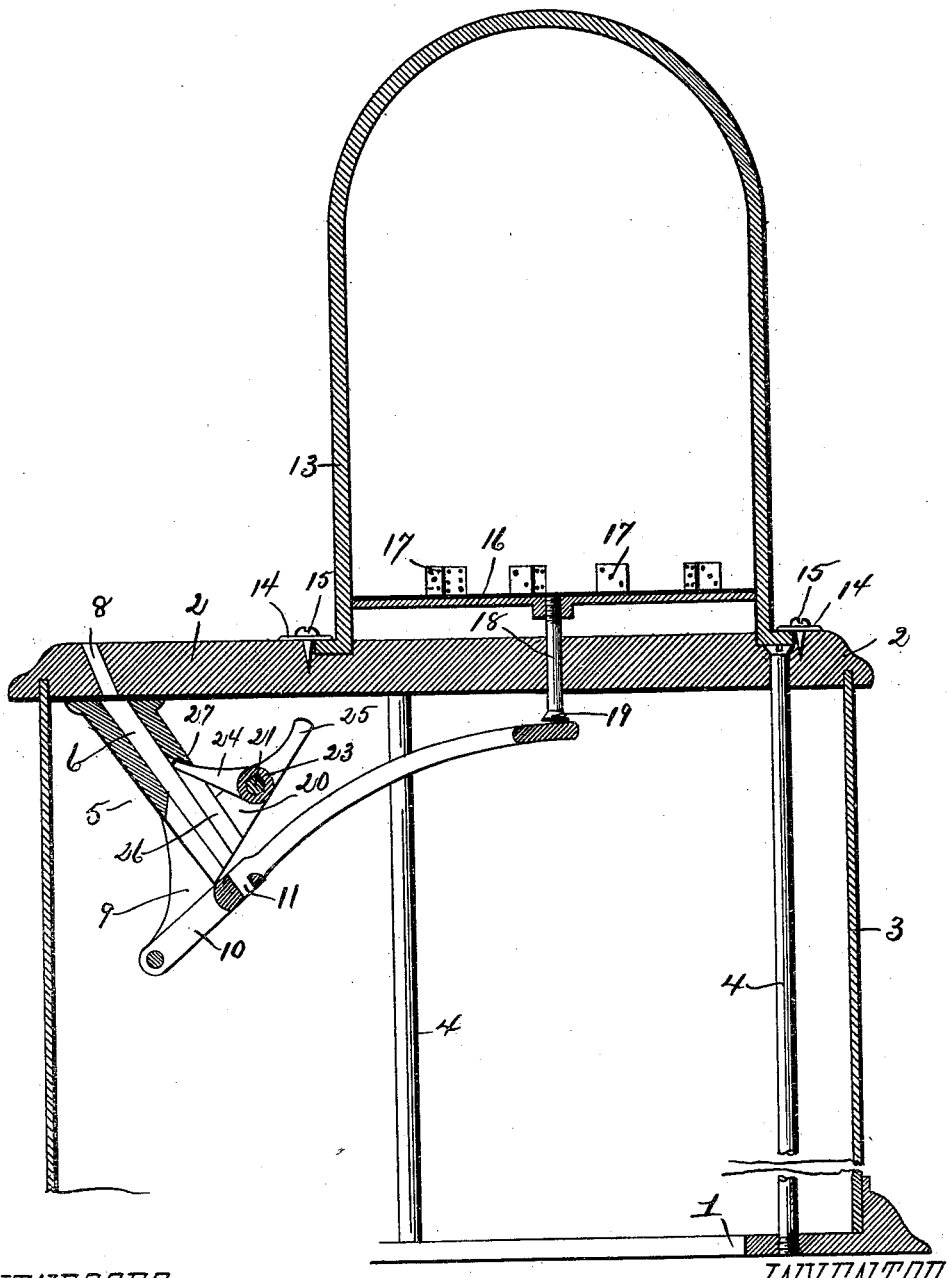


Fig 2.

WITNESSES

Carroll J. Webster

Floyd R. Webster

INVENTOR

Wyman Boardman

By William Webster

Atty.

(No Model.) 3 Sheets—Sheet 3.

W. BOARDMAN.

COIN CONTROLLED GAME APPARATUS.

No. 493,395. Patented Mar. 14, 1893.

Fig. 1.

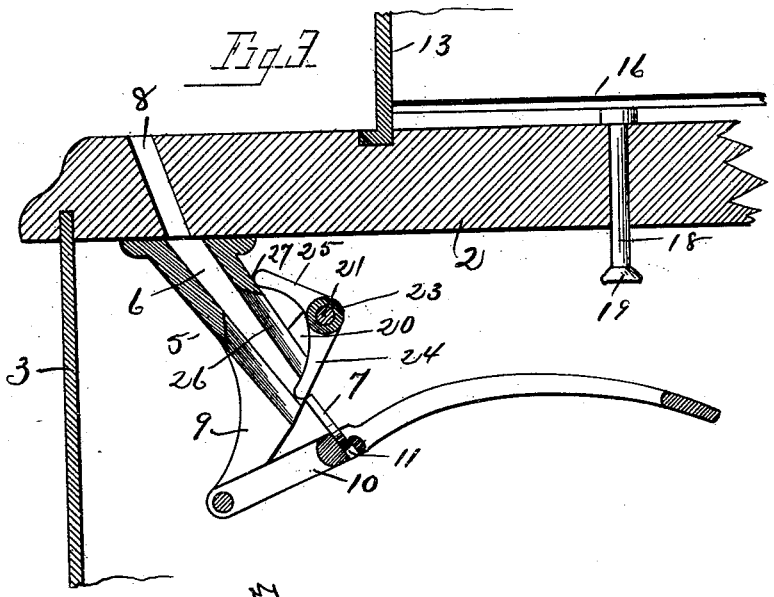


Fig. 4.

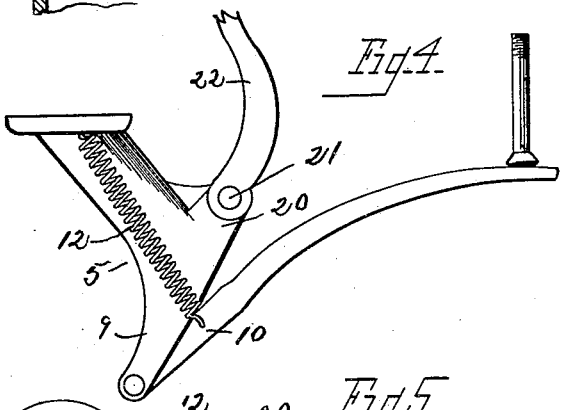
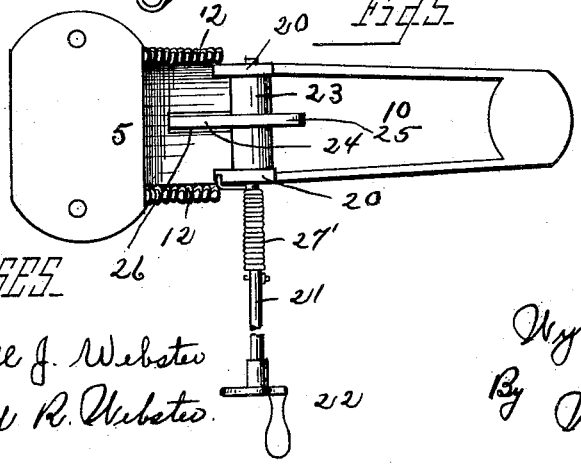


Fig. 5.



WITNESSES.

Carroll J. Webster

Floyd R. Webster.

INVENTOR.

Wyman Boardman

By Williams Webster

Atty.

UNITED STATES PATENT OFFICE.

WYMAN BOARDMAN, OF TOLEDO, OHIO, ASSIGNOR OF ONE-HALF TO DANIEL W. CAMP, JR., OF SAME PLACE.

COIN-CONTROLLED GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 493,395, dated March 14, 1893.

Application filed November 22, 1892. Serial No. 452,758. (No model.)

To all whom it may concern:

Be it known that I, WYMAN BOARDMAN, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in a Coin-Controlled Game Apparatus; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention relates to a game apparatus of that character in which a coin is necessary to the operation of the same.

The object of the invention is to construct an apparatus in which the act of releasing a coin permanently introduced into a chute, will actuate a spring controlled lever to put the springs thereof in tension, and the release of the coin to allow the lever to return and impact with the tappet of a disk upon which several dice are placed, the impact of the lever shaking the dice.

A further object is to construct a game apparatus of this character that shall be inexpensive of manufacture and composed of but few parts.

The invention consists in the parts and combination of parts hereinafter described and pointed out in the claims.

In the drawings: Figure 1 is an elevation of a complete apparatus. Fig. 2 is a longitudinal vertical section through the center of the same. Fig. 3 is a detail view showing the operative mechanism in section. Fig. 4 is a side elevation of the operative mechanism. Fig. 5 is a top plan view of the same.

The main receptacle in which the operative parts are housed, and in which the coin is finally deposited, comprises base 1, top 2, and a cylinder 3 interposed between the two, the parts being held assembled by means of rods 4 extending through the top, and screwed into the bottom plate.

5 designates a casting screwed upon the under side of the top, formed with a longitudinal slot or chute 6 extending entirely through the same and of a width to admit a coin of the desired denomination, in the present instance to admit a nickel 7 when introduced through a slot 8 formed in the top. Casting 5 is formed with an arm 9 projecting downward from the body portion, to which a lever 10 is pivotally secured, the lever having an opening 11 coincident with slot 6, the opening being of a size to receive a portion of the coin without allowing the same to pass through and in case the coin employed in the denomination of a nickel, to allow a penny to pass without operating upon the mechanism.

Secured to one end to each side of lever 10 and at the upper end to the under side of top 2 are coiled springs 12, which have at all times a tendency to raise lever 10.

13 designates a glass dome secured on the upper side of top 2, preferably by washers 14 which are held in position by screws 15. In the dome, and of a size to fit snugly therein, is the disk 16 having an upper surface of felt, rubber, or other analogous material and on which the dice 17 are placed, there being a pin or tappet 18 screwed in a boss on the under side of a disk, and passing through the top 2 the tappet being preferably formed with a head 19, against which the end of lever 10 impacts when the lever is operated.

20 designates arms formed integral with casting 5 and extending upwardly therefrom in which is journaled a shaft 21 of a length to extend outside cylinder 3 and receive a hand lever 22 which is secured thereon.

23 designates a cylindrical boss secured upon shaft 21, and of a length to closely fit between arms 20, there being levers 24 and 25 respectively formed integral with the boss, the levers extending therefrom at substantially right angles and coincident with the chute 6, the lever 24 projecting through a slot 26 formed in casting 5 and communicating with chute 6, the opposite lever 25 being adapted to swing in the arc of a circle and contact with a boss 27 formed upon casting 5 to limit the movement of lever 24.

27′ designates a spring coiled around shaft 21, and normally holding levers 24 against the wall of the slot 6, out of the path of travel of the coin as it passes down the chute.

In operation the coin is inserted in the opening 8 in the cover, and passes down chute 6, until the edge enters opening 11 in lever 10,

shaft 21 is now revolved to cause lever 24 to press upon the upper edge of the coin and force lever 10 downward until lever 24 is describing the arc of a circle, passes off of the coin, when the lever is released. Springs 12 being at greater tension when the coin is released the lever 10 is returned with sufficient force to impact with tappet 18 and actuate disk 16 to throw the dice within the closure 13 to shake the same indiscriminately and present new faces to the cubes at each impact. At the moment coin is released from contact with levers 24, the quick return of the lever 10 throws the coin from recess 11, and it drops to the bottom of the receptacle from which it may be removed at any time. As soon as lever 24 is released from contact with the coin it is returned by the tension of coiled spring 27′, and rests against the wall of the chute out of the way of the next passing coin.

It will be seen that the apparatus is composed of but few parts and therefore not liable to get out of order and that the cost is reduced to a minimum.

What I claim is—

1. In a game apparatus, a receptacle for the coin, a chute leading therein, a spring attached lever pivoted to extend across the chute, and receive the edge of the coin, a lever for pressing upon the coin to urge the same through the chute, and a disk provided with a depending tappet having a head, said disk being adapted to be moved by the return of the spring actuated lever contacting with the head of said tappet.

2. In a game apparatus, a receptacle for the coin, a transparent closure secured upon the top thereof, a disk within the closure having a tappet extending in to the receptacle for coin, a chute within the receptacle for coin, having a downward extending arm, a spring actuated lever pivoted thereto having a recess co-incident with the chute, a lever journaled to move radially across the chute and release a coin deposited therein by depressing the spring actuated lever.

3. In a game apparatus, a disk, a coin, a controlled mechanism for actuating the same comprising a casting formed with a longitudinal slot extending through the same, a spring actuated lever pivoted to the casting having a recess co-incident with the slot, a shaft journaled transversely of the slot, having a two arm lever secured thereon one of which has a radial movement in the slot the other lever having a movement to contact with the casting, and a spring upon the shaft to withdraw the lever from the slot.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

WYMAN BOARDMAN.

Witnesses:

WILLIAM WEBSTER,

CARROLL J. WEBSTER.