

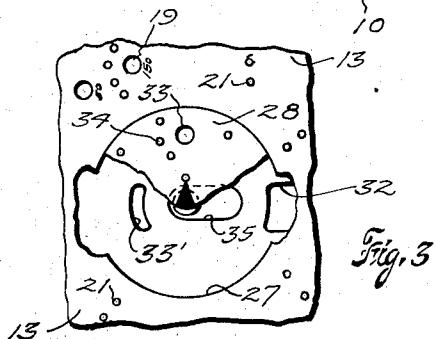
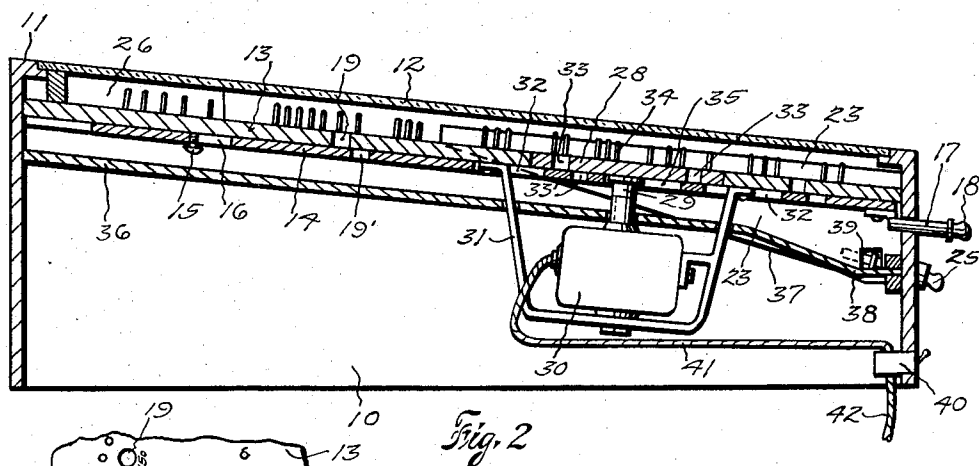
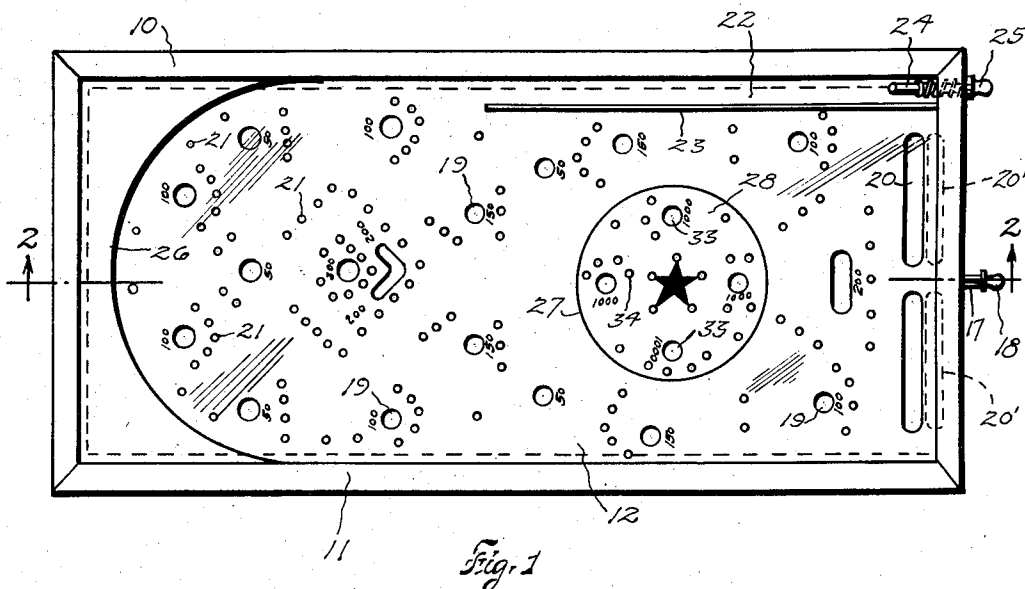
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S. H. LYNCH

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GAME BOARD

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GAME BOARD

Application filed February 23, 1932. Serial No. 594,465.

This invention relates to new and useful improvements in game boards.

One of the objects of the invention is to provide a game board comprising a deck having openings of varying hazard, which deck includes a stationary portion and a rotating disk mounted within the stationary portion, both said stationary portion and the rotating portion having ball receiving openings.

Another object of the invention is to provide in a game board of the inclined deck type a rotating section flush with the playing surface of the deck so that the balls will roll onto said section by gravity, or will roll away from said section because of the same agency.

A further object of the invention is to provide a rotating section in a game board deck provided with pockets for receiving and retaining the game balls and with upstanding elements for deflecting or casting the balls from the pockets and from the section.

Still another object of the invention is to provide in an inclined game board deck a rotating disk having its upper surface flush with the top surface of the inclined deck and rapidly rotated by suitable means.

A construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawing in which an example of the invention is shown, and wherein:

Figure 1 is a plan view of a game board constructed in accordance with the invention,

Figure 2 is a longitudinal vertical sectional view taken on the line 2-2 of Figure 1, and

Figure 3 is a detail showing the retaining and unloading means for the pockets of the disk.

In the drawing the numeral 10 designates a rectangular casing which may be of any

suitable design and finish. The casing is provided with an inclined top 11 having mounted therein a transparent sheet or panel of glass or other suitable material. Spaced below the panel 12 and substantially parallel therewith is an inclined deck 13. A plate 14 is slidably supported on the under side of the deck by means of a headed stud 15 extending through a slot 16 in said plate near the upper end of the deck. The lower end of the slide plate is secured to a push bar 17 mounted in the front wall of the casing and having a handle 18.

The deck is provided with numerous spaced openings 19 which may be of any shape and located to suit the fancy of the builder. Discharge slots or openings 20 are provided in the lower end of the deck as is shown in Figure 1. Upstanding deflector or buffer pins 21 are studded in the deck to form barriers and deflecting elements about and between the openings 19, whereby a ball projected onto the deck will be deflected upon striking said pins and thereby caused to move from one portion to another portion of said deck, or into said pockets, while rolling down the deck.

At one side of the deck a chute 22 is formed by a longitudinal wall 23, and at the lower end of this chute a spring pressed plunger 24 is arranged. This plunger has an exterior handle 25 by which it may be operated. At the upper end of the deck a curved or arched baffle 26 is secured between the deck and the glass panel 12. A ball projected from the chute by the plunger will either strike the baffle or one of the pins 21 in its path, and thus be deflected onto the deck down which it will roll by gravity colliding with such pins as may be in its path. The parts which have been described are in common use and have been set forth to more clearly explain the invention.

In carrying out the invention a circular opening 27 is formed in the deck, preferably

just below its central portion so that the balls will have an opportunity to strike a number of the pins or roll into the various openings 19 before reaching the opening 27.

5 The opening 27 is of such diameter as to provide ample deck spaces on each side thereof so that the ball may roll past said opening. Within the opening, I provide a flat disk 28 having a turning fit therein and substantially
10 ly flush with the upper surface of said deck.

The deck is secured to the upper end of the shaft 29 of an electric motor 30 which is secured in a hanger 31. The hanger is fastened to the under side of the deck engaging
15 the same through slots 32 in the plate 14.

The disk 28 is rotated by the motor, and a type of motor is employed which will rotate the disk at the proper rate of speed. It is pointed out that if the rotation of the disk
20 is too fast, its purpose will be defeated. The disk has been illustrated as having a plurality of openings 33 similar to the openings 19, and also provided with studded pins 34. These pins are either grouped about one of
25 the openings or otherwise promiscuously located on the disk, the idea being to deflect the ball from the openings and from the disk, rather than to permit the ball to lodge in said openings.

30 The slide board 14 is provided with openings 19', 20' and 33' and a slot 35. When the balls are being projected onto the deck, the slide plate 14 is pulled downwardly and forms a bottom for the openings in the deck
35 and the openings in the disk. The shaft 29 extends through the slot 35 thus permitting the plate 14 to be slid. Upon pushing inwardly on the handle 18 the plate 14 is slid upwardly until the lower end of the slot 16
40 engages the stud 15. This causes the openings 19' to register with the openings 19, and the openings 20' to register with the openings 20. At the same time the openings 33' and the upper end of the slot 32 are
45 brought into position so that the openings 33 of the disk will pass thereover. By this arrangement all balls will drop from the deck through the plate and be caught upon an inclined false bottom 36 spaced below the
50 slide plate.

It will be noted that the chute 22 has an inclined bottom 37 extending below the deck 13 as is indicated in Figure 2. The bottom 36 has a sump 38 at the front of the casing
55 and this is given a slight incline (not shown) so as to cause the balls to roll one by one through an opening 39 in the wall 23 of the chute. When the plunger 24 is retracted a ball will roll into the chute in front of said
60 plunger and when the plunger is released the ball will be propelled up the chute onto the deck.

A suitable electric switch 40 is mounted on the casing so as to be accessible, and the same
65 is shown in the front thereof. This switch

has connection with a cable 41 extending to the motor 30 and also with a cable 42 connected with a source of electric power. While I have shown an electric motor for rotating the disk it is to be understood that any
70 means may be employed for rotating the disk and the same may be continuously rotated, intermittently rotated, or spun.

In playing the game the operator grasps the handle 25 and withdraws the plunger 24
75 under the tension of its spring. This permits one of the balls from the sump 38 to roll through the opening 39 in front of the plunger. Upon releasing the plunger the ball (not shown) is shot up the chute 22 onto the deck
80 13. This ball will either travel around the baffle 26 or strike one of the pins 21 at the upper end of the deck. The ball will then start to roll down the deck and upon striking other pins will be deflected or buffeted over
85 the surface of the deck. If the ball does not lodge in one of the openings it will roll down the deck and either pass on one side of the disk 28 or roll onto the same. The operator having closed the switch 40 and set the disk
90 in motion, it will be seen that the ball will most likely strike one of the pins 34 and be deflected against other pins or thrown from the disk by centrifugal force.

Upon being thrown from the disk the ball
95 may strike adjacent pins 21 and cast back upon said disk, or it might roll to the lower end of the deck. The ball may roll onto the disk several times after being cast therefrom
100 and may lodge in one of the openings 19 or pass down the deck. If the ball should roll into one of the pockets 33 it will be retained therein rolling on the plate 14 as the disk
105 rotates. When all of the balls have been shot from the chute 22 the operator grasps the handle 18 and pushes the slide upward whereby the balls drop through to the bottom 36.

Various changes in the size and shape of the different parts, as well as modifications and alterations, may be made within the scope of
110 the appended claims.

Having illustrated and described a preferred form of the invention, what I claim is:

1. In a game, an inclined deck having ball-receiving openings, deflecting elements on
115 said deck, a rotating disk mounted in said deck and having ball-receiving openings and deflecting elements mounted thereon for casting off a ball rolling thereonto from said
120 deck, and a slide under said deck and disk normally closing the bottoms of the openings thereof and having openings for registering
with the openings of said deck.

2. A game board comprising a deck including a stationary portion, and a rotating
125 disk mounted within the stationary portion, both said stationary portion and said rotating portion having ball receiving openings.

3. A game board as set forth in claim 2, wherein the rotating portion is provided with
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deflecting elements for casting off a ball rolling thereonto from said stationary portion.

4. A game board as set forth in claim 2,
5 wherein the stationary portion is provided with deflecting elements so arranged as to render the rotating disk difficult of access.

5. A game board as set forth in claim 2,
10 wherein both the stationary and rotary portions are provided with deflecting elements.

In testimony whereof I affix my signature.

SILAS H. LYNCH.

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