Oct. 31, 1933. G. BARDOCZ 1,933,406

GAME APPARATUS

Filed Nov. 9, 1931 2 Sheets-Sheet 1

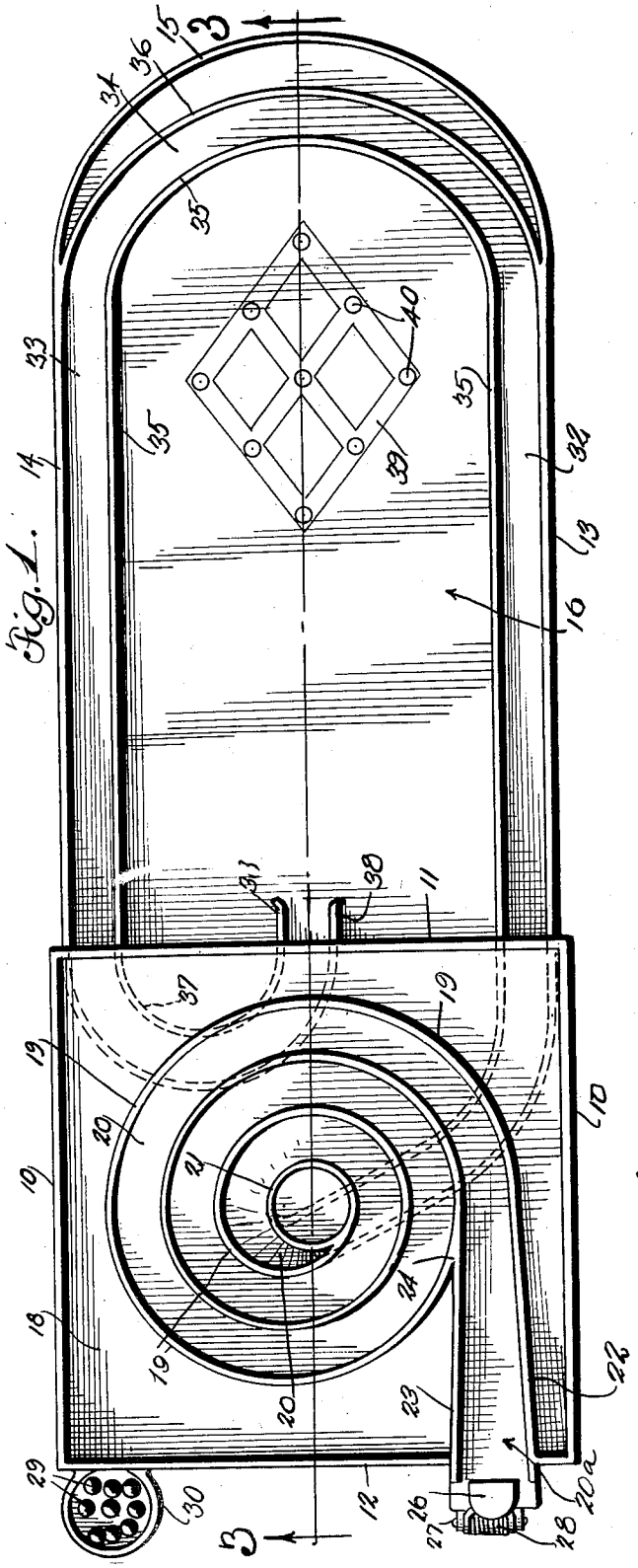


Fig. 1.

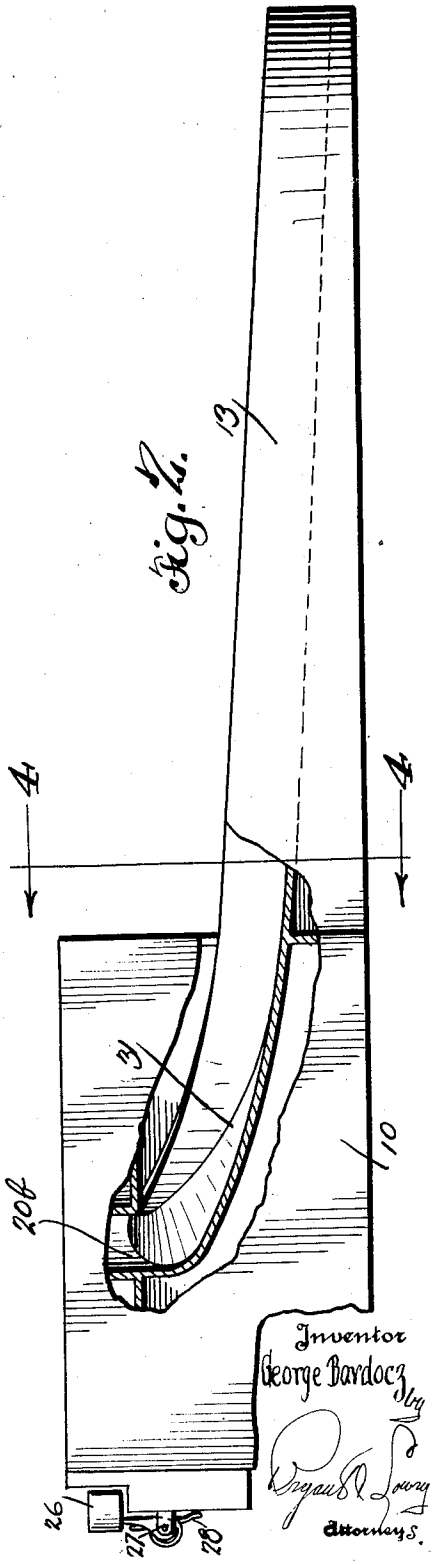


Fig. 2.

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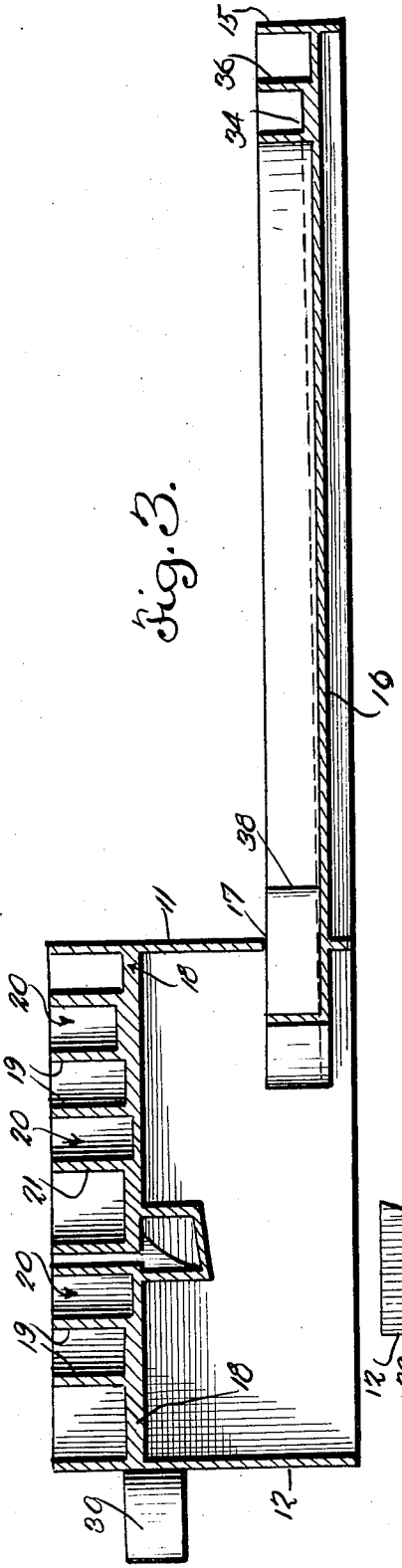


Fig. 3.

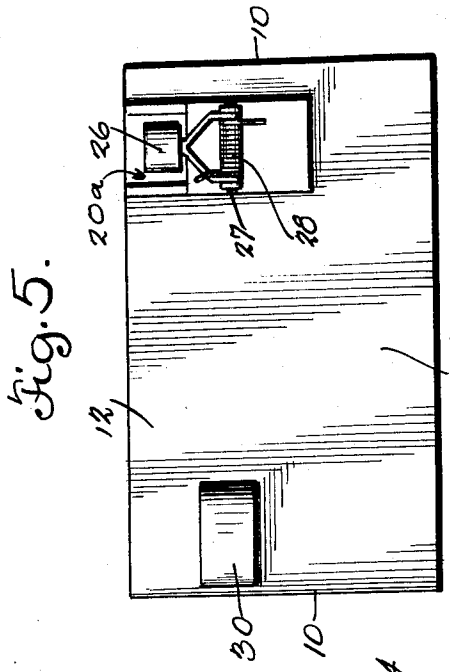


Fig. 5.

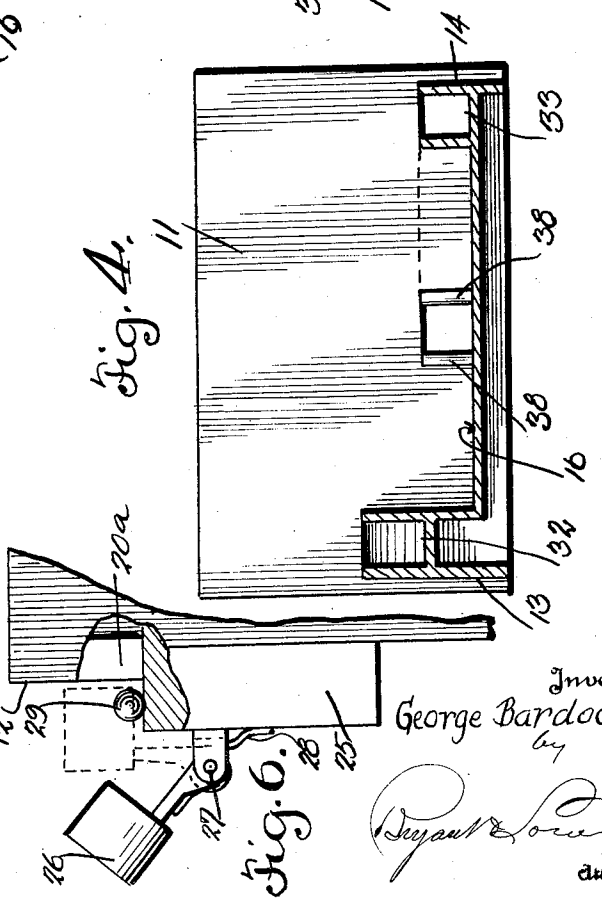


Fig. 4.

Fig. 6.

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UNITED STATES PATENT OFFICE

1,933,406

GAME APPARATUS

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1 Claim. (Cl. 273—39)

This invention relates to certain new and useful improvements in game apparatus.

The primary object of the invention is to provide a game apparatus of the pin and projectile type similar to bowling, wherein a game board having men or pins placed thereon in design formation are adapted to be struck by a ball or projectile that is caused to travel in a tortuous path in view of the player and to be then directed over a path, partly hid from view before final projection toward the men or pins.

With the above and other objects in view that will become apparent as the nature of the invention is better understood, the same consists in the novel form combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings and claimed.

In the drawings:—

Figure 1 is a top plan view of the bowling game apparatus constructed in accordance with the present invention, showing the spiral passageway through which the ball or projectile travels before movement over the game board toward the men or pins;

Figure 2 is a side elevational view, partly in section showing the inclined runways to the spiral passage extending along one side of the game board;

Figure 3 is a vertical longitudinal sectional view taken on line 3—3 of Figure 1;

Figure 4 is a vertical cross-sectional view taken on line 4—4 of Figure 2;

Figure 5 is an end elevational view showing the projectile or ball receptacle and a mechanical striker or impeller for the ball; and

Figure 6 is a detail elevational view, partly in section showing the striker or impeller for the ball.

Referring more in detail to the accompanying drawings, the game apparatus or device is in simulation of a bowling game and includes a frame structure and game board section, the frame structure preferably being of rectangular formation having vertical side walls 10 and vertical forward and rear walls 11 and 12 respectively. The game board section includes side walls 13 and 14 of less height than the side walls 10 extending forwardly thereof and connected at their outer ends by a curved wall 15. The game board section further includes a horizontal game board 16 set upwardly from the lower edges of the side walls 10, 13 and 14 as illustrated in Figures 3 and 4 with the inner end of the game board 16 extending into the frame section, accommodated by the termination of the lower end of the forward wall 11 of the frame section above the upper edges of the side walls 13 and 14 of the game board section.

A false bottom or raised platform 18 is disposed adjacent the upper end of the frame section and said platform carries a perpendicular spirally arranged guide wall 19 defining a spiral passage 20 gradually declining toward the central pocket 21 as shown in Figures 1 and 3. The outer end of the spiral wall 19 is extended as at 22 to project to the upper edge of the rear wall 12 of the frame section and a wall 23 in spaced relation to the wall 22 is engaged with the outer convolutions of the spiral wall as at 24, the wall 23 projecting through the rear wall 12 of the frame section. The walls 22 and 23 provide a guide passage 20a communicating with the spiral passage 20 and a manually operated device for the projection of balls is located at the outer end of the passage 20a.

As shown in Figures 1, 2 and 6, a block 25 is carried by the outer side of the rear wall 12 of the frame section with the upper end thereof in the plane of the bottom wall of the passage 20a and said block 25 has a hammer 26 pivotally mounted thereon as at 27 and spring pressed as at 28 so that the hammer 26 when moved to the full line position shown in Figure 6, and released, the same strikes the ball 29 for projecting the same through the spiral passage 20. A receptacle 30 for balls is carried by the rear wall 12 of the frame section for ready access in the playing of the game.

The wall 21 of the center ring of the spiral wall construction 19 is closed and the inner end 20b of the spiral passage 20 is in communication with a curved guide 31 that is in communication with a longitudinally extending and forwardly declined runway 32 adjacent the side wall 13 of the game board section, a similar rearwardly declined runway 33 being arranged at the opposite side of the game board section as at 33, the two runways 32 and 33 being in communication by the forwardly positioned curved runway 34, the runways 32, 33 and 34 comprising an inner guide wall 35, the side walls 13 and 14 forming the outer side walls, while the curved end wall 36 is spaced from the curved end wall 15 of the game board section as illustrated in Figure 1. The inner end of the runway 33 extends into the rectangular frame section of the game board and is reversely curved as illustrated at 37 with the walls 38 thereof projecting outwardly of the forward wall 11 of the frame section, between the side walls 13 and 14 and directed along the longitudinal axis

of the game board 16. The game board 16 adjacent the outer end has a design configuration 39 depicted thereon for the placement of men or pins used in the playing of the game.

In the playing of the game, a ball 29 is disposed at the outer end of the passage 20*a* and is struck by the tensioned hammer 26 to be directed through the spiral passageway 20, to escape therefrom at 20*b* and travel through curved passageways 31 to the runways 32, 34 and 33, the ball then disappearing within the frame section and being finally discharged between the guide walls 38 in a direction toward the pins 40. The spiral passageway in the frame section has a tendency to retard the speed of movement of the ball and skill is required in the manipulation of the tensioned hammer 26 to cause the ball to travel with sufficient force and speed to complete the circuitous passage for striking the pins 40.

From the above detailed description of the invention, it is believed that the construction and operation thereof will at once be apparent, and while there is herein shown and described the preferred embodiment of the invention it is nevertheless to be understood that minor changes may be made therein without departing from the spirit and scope of the invention as claimed.

I claim:—

In a bowling game, frame and game board sections, the frame section including perpendicular side and end walls, a horizontal platform in the frame section adjacent the upper ends of the walls, a perpendicular spirally arranged guide wall rising from the platform with its upper edge in the plane of the frame walls, the guide wall defining a spiral passageway extending from one corner of the frame section and terminating centrally thereof, the bottom of the spiral passageway gradually declining toward the center of the frame section and terminating in an opening centrally of the platform, a runway bordering the game board section, one side of the runway rising upwardly toward the frame section and extending through the adjacent end wall thereof for communication with the central opening in the platform, and the outer side of the runway declining toward the frame section and extending through the adjacent end wall and re-directed through said wall onto the open game board section.

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