Aug. 10, 1937. J. B. WALKER 2,089,514

GAME

Filed Sept. 28, 1934

Fig. 1

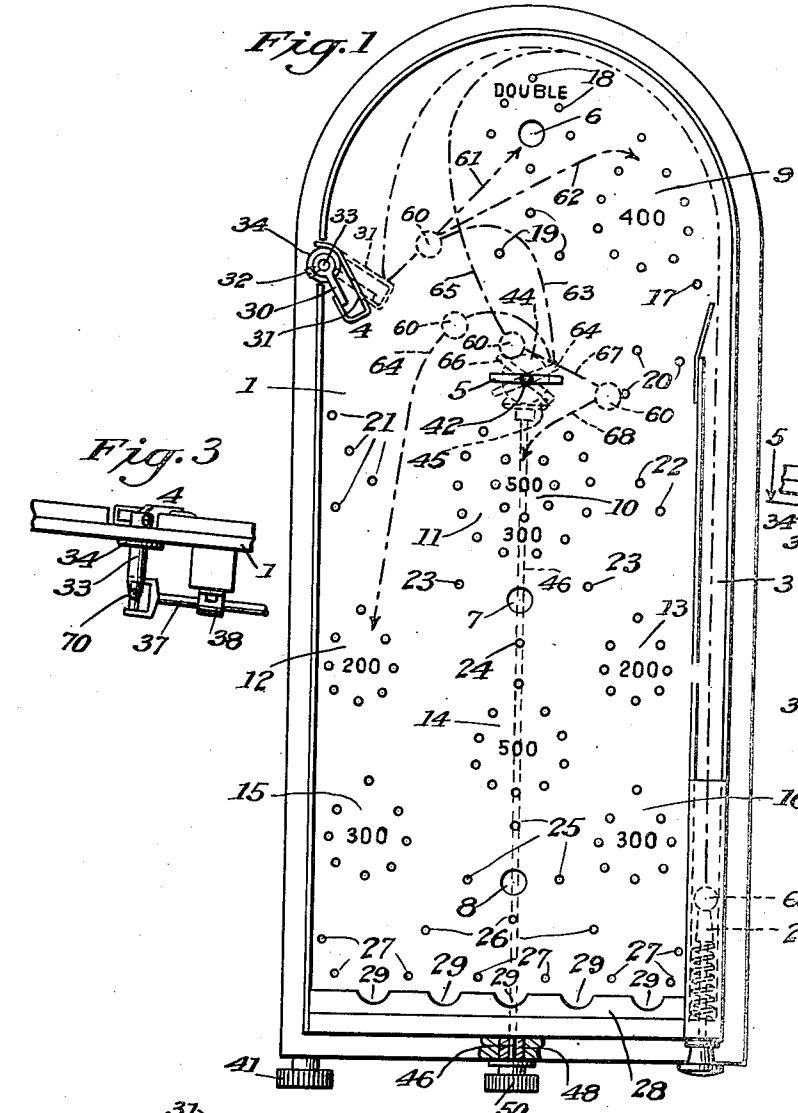


Fig. 3

Fig. 4

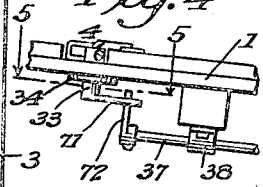


Fig. 5

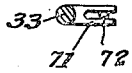
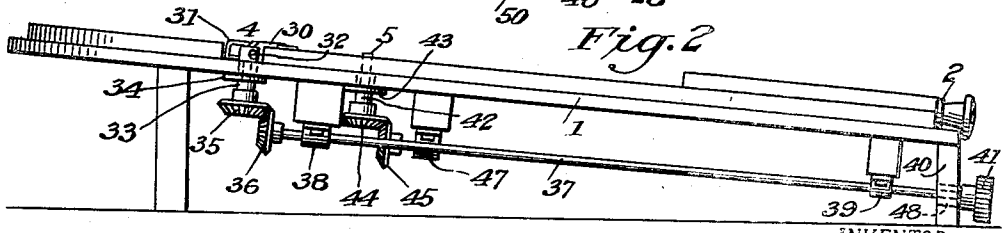


Fig. 2



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UNITED STATES PATENT OFFICE

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GAME

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1 Claim. (Cl. 273—121)

This invention relates to games, and more particularly to marble games, or games in which a round object is rolled over a surface.

The general object of the invention is to provide a marble game or the like, in which a considerable amount of skill may be exercised by the players of the game, thus providing an improved marble game of skill as distinguished from the conventional marble game of chance.

A more particular object is to provide a marble game, or the like, in which a deflector may be selectively positioned or swung by the players for engaging the marble for deflecting it into positions on the game board for making the highest possible score on said board.

A further object is to provide an additional deflector which may be actuated by the players in conjunction with or independent of the aforesaid deflector and in like manner, for accomplishing the purpose of the aforesaid deflector.

Other objects and advantages will appear hereinafter.

In the specification and the annexed drawing, I disclose my invention in a desirable form, but I do not limit the same to such form because my invention may be embodied in other forms, and it it is to be understood that in and by the claim of this application, I intend to cover my invention in whatever form it may be embodied.

In the drawing:

Figure 1 is a plan view of a marble game board embodying my invention,

Figure 2 is a side elevation of the game board shown in Figure 1,

Figure 3 is a fragmentary side view of a modification of my invention,

Figure 4 is a fragmentary side view of another modification of my invention, and,

Figure 5 is a horizontal section taken on line 5—5 of Figure 4.

Referring with particularity to the drawing, 1 designates a game board including a marble or ball projecting plunger 2 and guideway 3 at one side of said board, a marble or ball deflector 4 at the other side and in the upper part of said board, an additional deflector 5, pockets 6, 7, and 8, cages 9, 10, 11, 12, 13, 14, 15, and 16, guide pins 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, and 27, and an arresting bar 28 at the lower end of said board provided with arresting notches 29 for the marbles or balls.

The deflector 4 comprises an arm 30 and a spring-wire striking member 31 secured at one end to the inner end of said arm, but said arm, instead of being fixed to the board as in the conventional marble game, is adjustably secured at one end by a set screw 32 on the upper end of a stud shaft 33 which is journaled in a bearing 34 in the game board 1 and extends through said board. On the lower end of said stud shaft 33 is secured a bevel gear 35 which meshes with a bevel gear 36 secured on one end of a shaft 37 journaled in bearings 38 and 39 mounted on the under side of the game board 1. The other end of the shaft 37 extends through the lower end support 40 of the game board 1, and a thumb wheel 41 is secured on said end of said shaft outside of said support, for turning said shaft.

The deflector 5 is secured on the upper end of a stud shaft 42 extending through the upper portion of the game board 1 at the center thereof slightly below the deflector 4 and journaled in a bearing 43 in the game board. On the lower end of said stud shaft 42 is secured a bevel gear 44 which meshes with a bevel gear 45 secured on a shaft 46 journaled in bearings 47 and 48 mounted on the under side of the game board 1, there being a thumb wheel 50 secured on the lower end of the shaft 46 outside of the lower end support 49 of the game board, for turning the said shaft.

The operation, uses and advantages of my invention are as follows:

A marble or ball 60 being placed in the guideway 3 against the plunger 2; the plunger is drawn rearwardly by a player of the game and released so that the plunger, under the influence of its spring, will project the marble upwardly through said slideway into and around the upper end of the game board 1 to the other side of the board against the deflector 4. As the marble rolls against said deflector, the player, by turning the thumb wheel 41, may, through the medium of the shaft 37, bevel gears 36 and 35 and stud shaft 33, position or swing the deflector 4 to engage the marble and deflect the marble upwardly along the line 61 into the pocket 6, which doubles the score, or along the line 62 into the cage 9 which counts "400" in the game.

Should the marble fail to roll into said pocket 6 or into the cage 9, when deflected by the deflector 4, and roll downwardly along the line 63, the deflector 5 may, through the medium of the thumb wheel 50, shaft 46, bevel gears 45 and 44, and stud shaft 42, be positioned or swung by a player, as indicated at 64, upon turning said thumb wheel, to engage the marble and deflect it along the line 64 into the cage 12, which counts "200" in the game.

Should the marble receive a blow from the

plunger 2 insufficient to project it over against the deflector 4, and the marble should travel downwardly on the line 65, the player by turning the thumb wheel 50 may turn the deflector 5 into the position indicated at 66 to be struck by the marble and deflected along the line 67 to the right against one of the pins 20, whereupon the marble would be deflected by said pin along the line 68 into the cage 10, which counts "500" in the game.

In the modification of my invention shown in Figure 3, the construction is the same as that shown in Figure 2, except that the bevel gears 35 and 36 are eliminated and a toggle joint 70 is substituted for said bevel gears, which toggle joint connects the deflector shaft 33 and the operating shaft 37, whereby said deflector shaft and the deflector 4 are turned upon turning said operating shaft.

In the modification of my invention shown in Figures 4 and 5, the construction is the same as that shown in Figure 2, except that the bevel gears 35 and 36 are eliminated and a fork 71 and arm 72 are substituted for said bevel gears, which fork is formed on the lower end of the deflector shaft 33 and which arm is secured on the adjacent end of the operating shaft 37 and extends into said fork, whereby said deflector shaft and the deflector 4 are turned upon turning said operating shaft.

The game board 1, as shown in Figure 1 of the drawing and described in this specification, is for the purpose of illustration only, and is in no way intended to limit my invention to such form of board, since my invention is applicable to any form of marble game board.

The use of my invention on marble or ball game boards stimulates interest in said games by making such games games of skill rather than games of chance.

I claim:

In a game, a game board, a deflector adjacent the game board for deflecting a round object projected onto the board, a shaft on which said deflector is secured, an operating shaft for said deflector, intermeshing gears on said deflector shaft and said operating shaft, and means for turning said shaft, whereby said deflector through said gears and said deflector shaft is turned for enabling said deflector to deflect said object into a scoring position on said board.

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