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TOY GOLF GAME.

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1,127,861. Patented Feb. 9, 1915.

Fig. 1.

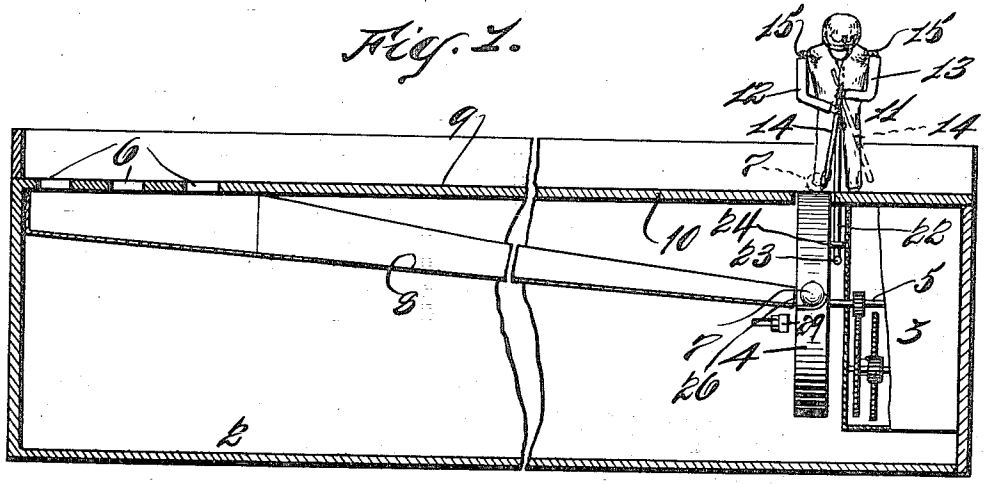
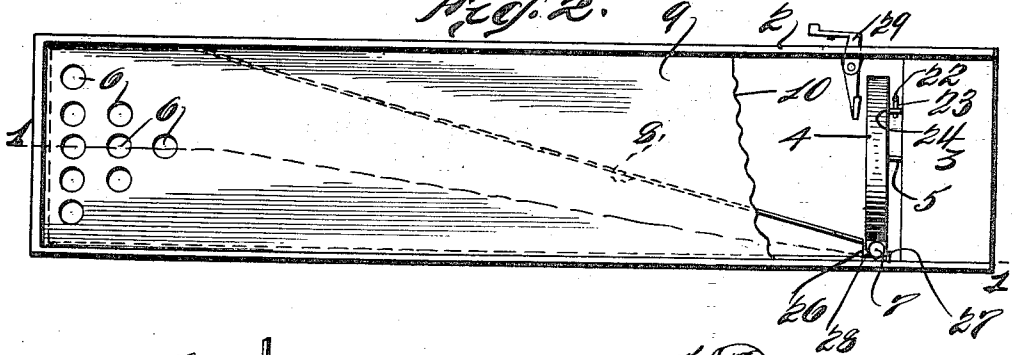


Fig. 2.



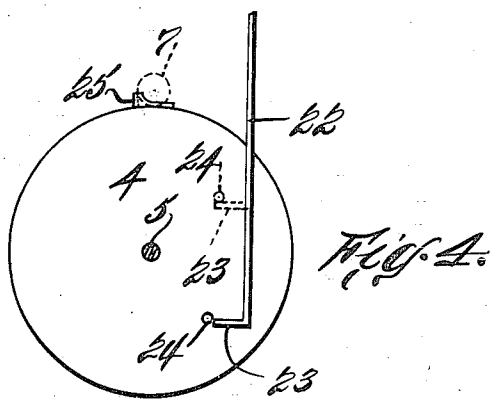


Fig. 4.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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TOY GOLF GAME.

1,127,861. Specification of Letters Patent. Patented Feb. 9, 1915.

Application filed May 13, 1914. Serial No. 838,270.

To all whom it may concern:

Be it known that we, ELMER R. CONNOR and CHARLES W. VOELPEL, residents of Port Richmond, Richmond county, State of New York, and JOSEPH M. CONNOR, residing at New York city, county and State of New York, all citizens of the United States, have invented certain new and useful Improvements in Toy Golf Games, of which the following is a full, clear, and exact description.

This invention relates to a toy representing the game of golf, the object being to provide a game of this character consisting of a suitable standard or base, upon which is placed a figure having movable arms grasping a golf club, suitable mechanism being employed to move the arms and swing the club to knock a ball into any one of a number of openings or holes in the opposite end of the base, the ball being automatically replaced in position for a further cast.

We will now proceed to describe our invention in detail, the novel features of which we will point out in the appended claims, reference being had to the accompanying drawing forming part hereof, wherein—

Figure 1 is a sectional side view of our improved game, the section being taken on a line 1—1 in Fig. 2; Fig. 2 is a top plan view on a reduced scale; Fig. 3 is an enlarged fragmentary sectional detail view of the figure, showing one manner of operating the arms, and Fig. 4 is a diagrammatic face view showing the manner of operating the rod which in turn operates the arm preparatory to a stroke.

As herein embodied our improved game consists of a box-like standard or base 2 containing at one end thereof, a spring or clock-work motor 3 designed to rotate a drum 4, the said drum being secured to the shaft 5 of the motor. The motor 3 is not shown in detail for the reason that it is of the well known type of clock-work motor. At the opposite end of the box or base 2 we provide openings 6 through which the ball 7 will drop into a chute 8, the said openings being numbered if desirable.

As can be seen in Fig. 1, the periphery of the drum 4 is in alinement with the top surface 9 of the top member 10 of the box, so that when the ball 7 is cast it will roll off the drum onto the surface 9 of the top member 10 and along said surface to the openings 6 through any one of which the ball will drop if the cast is a good one.

To cast the ball we employ a figure 11 having movable arms 12 and 13 to which a staff or club 14 is secured. In this instance the arms are pivotally connected to the body of the figure at 15 and are pivotally connected to each other by a link 16. The link 16 carries a collar 17 against which one end of a spring 18 presses, the other end of the spring pressing against the figure 11. The spring 18 surrounds the link 16 as shown. To force the arms 12 and 13 toward the right, in this instance, we employ a bell-crank lever 19 pivoted as at 20 to the figure 11. One end of the lever is forked and contacts with the collar 17, the other end of the lever receives a pin 21 carried by a vertical rod 22 which is bent at a right angle, at its lower end, as at 23. To actuate the rod 22, or pull it downwardly, we provide the drum 4 with a pin 24 positioned to strike the end or projection 23 of the rod as shown by dotted lines Fig. 4 at a certain point during the rotation of the drum 4. To retain the ball, in order that it will be carried to the position for casting by the rotating drum, we provide the drum with a cup 25 adapted to receive the ball, and to pick it up when the cup reaches a position opposite to the end 26 of the chute 8. When the ball rolls down the chute it will roll against a stop 27 Fig. 2 adjacent the opening 28 in the end of the chute through which the cup will pass, the opening 28 being smaller than the ball 7. After the ball has rolled against the stop 26 it will be picked up by the cup 25 and carried to the dotted line position Fig. 1 or Fig. 4, as soon as said cup reaches a position opposite the end of the chute.

Just after the ball has been picked up, the pin 24 will strike the projection 23 on the rod 22. The continued rotation of the drum will pull the arms 12 and 13 from the full line position Fig. 1 to the dotted line position, thereby placing the spring 18 under tension. At about the time that the ball 7 reaches its highest position as shown by dotted line Figs. 1 and 4, the pin 24 will leave the projection 23, see full line position Fig. 4, at which time the spring 18 will react forcing the arms 12 and 13 to the right. As this latter movement will be quick, the

striker 14 will hit the ball with some little force causing it to roll off the drum onto the top member 10 of the box and toward the openings 6. If the ball drops through an opening it will roll back to the drum and the game will repeat and continue to repeat until the motor runs down. The motor may be stopped at any time by pressing the brake 29. The herein illustrated mechanism for operating the arms 12 and 13 as far as the bell crank lever 19, link 16, and spring 18 are concerned, is arbitrary, as we may use various other means for accomplishing the same result. As the movement of the drum 4 is slow the ball will rest in the cup, during the upward movement of said drum, by gravity. At about the time that the cup reaches its highest position the ball will be struck, and knocked off, before it can roll out of the cup in the direction of rotation of the drum.

Having now described our invention what we claim and desire to secure by Letters Patent is:

1. A toy golf game consisting of a base, provided with openings at one end thereof, a figure at the opposite end thereof, having movable arms, means to move said arms sidewise relative to the figure, a striker carried by said arms and means to locate a ball in alinement with the movement of the striker.

2. A toy golf game consisting of a base, provided with openings at one end thereof, a figure at the opposite end thereof having movable arms, a striker carried by said arms, a rotatable drum adjacent said figure, means carried by said drum to releasably retain a ball, a rod adapted to move said arms in one direction, resilient means to move the arms in the opposite direction and means carried by said drum to actuate said rod, said means being positioned to release said rod when said ball alines with the striker carried by said arms.

3. A toy golf game consisting of a base, provided with openings at one end thereof, a figure at the opposite end thereof having movable arms, a striker carried by said arms, a rotatable drum adjacent said figure, means carried by said drum to releasably retain a ball, a rod adapted to move said arms in one direction, resilient means to move said arms in the opposite direction, means carried by said drum to actuate said rod, said means being positioned to release said rod when said ball alines with the striker carried by said arms, and means to automatically place said ball in said retaining means after it has been cast by the striker.

4. A game consisting of a rotatable drum, means to rotate same, means to releasably retain a ball, carried by said drum, a figure adjacent said drum having movable arms, a striker carried by said arms, means to actuate said arms, and means carried by the drum to operate said arm actuating means to set said arms for a stroke, and to release said actuating means when said ball alines with said striker.

Signed at New York city, N. Y. this 7" day of May 1914.

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Witnesses:
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