

W. E. STONEBRIDGE.  
IMPELLING DEVICE FOR GAMES.  
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1,429,656.

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*Fig. 1.*

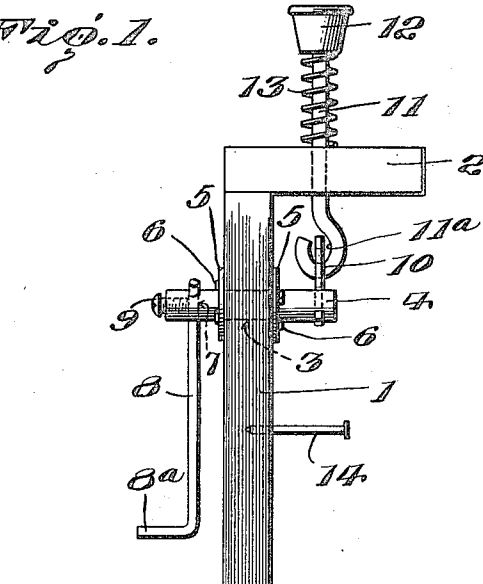


*Fig. 2.*

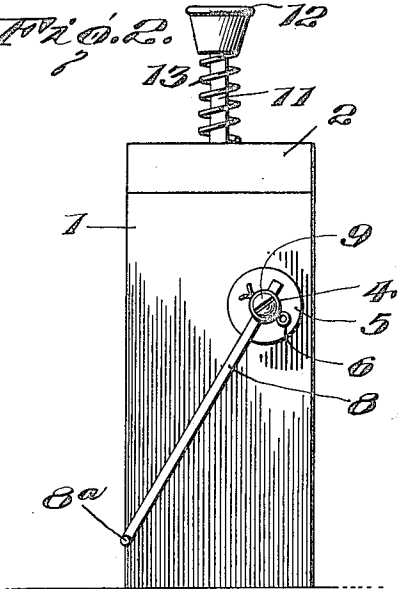
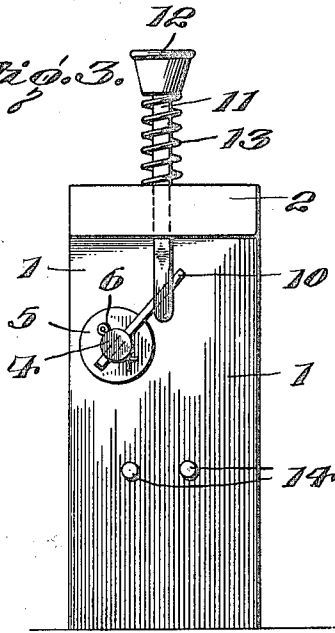


*Fig. 3.*



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## UNITED STATES PATENT OFFICE.

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## IMPELLING DEVICE FOR GAMES.

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*To all whom it may concern:*

Be it known that I, WILLIAM E. STONEBRIDGE, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Impelling Devices for Games, of which the following is a specification.

The present invention relates to a game device used in playing the game known as indoor, parlor, or table golf, wherein a surface is represented as a miniature golf course, and the game is played by the impelling of a small ball by means of a suitable instrument.

An object of the present invention is the provision of an impelling device, which is well adapted to use in connection with the playing of the game, which is simple in construction and operation, and which is so arranged that the impelling force is under the control of the player, and may be varied at will.

A further object of the invention is the provision of a device of this character which is constructed to simulate as closely as possible the actual operation of striking a golf ball.

In the drawings forming part of this specification, in which like reference numerals indicate like parts in the several views

Fig. 1 is a side elevation of the present impelling device;

Fig. 2 is a front view of the same; and

Fig. 3 is a rear view of the same.

The device comprises, in the present instance, an upright member 1, preferably of rectangular design, which at its upper end supports at right angles a top member 2, the two members being connected by a suitable means. An opening 3 is cut through the member 1 a little to one side of the vertical center line of the same, and through the said opening is mounted a rotatable shaft 4, which is retained against endwise movement by washers 5 and cotter pins 6 on each side of the member 1. The outer end of the shaft 4 has an opening 7 cut therethrough at right angles to the axis of the shaft, the opening 7 being adapted to receive the shank of an impeller or striker 8, the latter being retained in the opening by means of a suitable set screw 9. The lower end of the impeller 8 is bent at right angles to form a

striking portion, in imitation of the striking surface of the usual golf stick.

At the inner or rear end of the shaft 4 is attached a rod 10, which passes through the shaft at right angles to the axis of the latter, and which is retained in place by soldering, welding or any suitable permanent means. The rod 10 is set at an angle of approximately 90 degrees from the impeller 8, and the upper end of the rod passes through a small loop 11<sup>a</sup> formed on the lower end of the plunger 11. The said plunger 11 passes through a suitable opening in the top member 2, and carries at its upper end a button 12, which serves as a finger piece. A coiled spring 13 is mounted between the lower side of the button and the upper surface of the member 2 and serves to hold the plunger in the upward extended position. One, or several, pins 14 are driven into the rear surface of the upright member 1 at a point about one-third of the distance up said member, these pins serving for a purpose to be hereinafter described.

It is to be understood that the present device will be used in connection with a miniature golf course, or with receptacles or other like portions of a game with which an impelling device is desired. It will also be understood that small balls or other projectiles will be used, which are to be impelled by the present device. When the device is to be used, a ball or other projectile is placed on the surface of the table, floor, or other surface upon which the game is to be played, or upon a suitable supporting device or tee, at a desired point, and the present impelling device is moved to such position with respect to the ball as the player may desire, and the device is rested upon the surface of the table or other place, the member 1 being upright, but disposed at any such angle from the vertical as the player may determine. The player then places the index finger of one hand around and under the pin or pins 14, and his thumb upon the top surface of the button 12. With the device thus in position, the player pushes down smartly on the button 12, which correspondingly moves the plunger 11 downwardly against the tension of the spring, and the movement of the plunger will be transmitted to the rod 10, which will in turn cause a rotation of the shaft 4 in a counter clockwise direction

looking from the front of the device. The stick or impeller 8 is normally in the position shown in Fig. 2, to the left of the vertical center line of the device, and upon the rotation of the shaft 4 as described, the impeller 8 will move toward the right in Fig. 2, and in its movement will strike against the ball or projectile which will be in its path, moving said ball in a direction determined by the position of the impelling device with respect to the same. It will be understood that the amount of force transmitted to the ball is entirely under the control of the player, and as much or as little force as desired may be imparted to the ball according to the amount of pressure placed upon the button 12 by the player. The impeller 8 is removably mounted in the shaft 4, and may be replaced by other impellers of differing character and formation, to represent the several different types of golf sticks used in particular instances.

The parts of the present device may be made of any suitable material, either wood, vulcanized fiber, or metal, and while the button 12 is preferably made of hard rubber, any other suitable material may well be employed. In lieu of the pins 14 shown, a single pin may be used, or any other projecting member against which the finger of the player may be placed. It will be further understood that the parts of the device are subject to such changes as may be found necessary within the range of the invention as set forth in the appended claims.

What I claim as new and desire to secure by Letters Patent is:—

1. An impelling device comprising an upright support, a second supporting member disposed at an angle thereto, a shaft carried by said upright member, a striker on one end of said shaft, a rod projecting from the opposite end of the shaft, a plunger supported by the second supporting member, the lower end of said plunger being adapted to engage the said rod, a finger piece at the upper end of the plunger, and a spring surrounding the plunger and adapted to resist downward movement of the same.

2. An impelling device comprising an upright support, a second supporting member disposed at an angle thereto, a shaft carried by said upright member, said shaft being bored near one end to receive a striker, a rod projecting from the opposite end of the shaft, a plunger supported by a second supporting member, the lower end of said plunger being adapted to engage the said rod, a finger piece at the upper end of the

plunger, and a spring surrounding the plunger and adapted to resist downward movement of the same.

3. An impelling device comprising an upright support, a second supporting member disposed at an angle thereto, a shaft carried by said upright member, said shaft being bored near one end to receive a striker, a rod projecting from the opposite end of the shaft, a plunger supported by a second supporting member, the lower end of said plunger being adapted to engage the rod, a finger piece at the upper end of the plunger, a spring surrounding the plunger and adapted to resist downward movement of the same, and a projection below the shaft to be engaged by a finger of the player.

4. An impelling device comprising an upright stand having an opening therethrough, a shaft mounted through said opening and projecting on either side of said member, a second supporting member at the top of said upright member and disposed at an angle to the same, said last named member having an opening therethrough, a striker mounted on one end of the shaft, a rod projecting at the opposite end of said shaft, a plunger, the lower end of said plunger being adapted to engage the said rod, said plunger being mounted in the opening in the second named supporting member, a finger piece at the upper end of said plunger, and a spring surrounding said plunger and adapted to resist downward movement of the same.

5. An impelling device comprising an upright supporting means having an opening therethrough at one side of its vertical center line; a second supporting member at the top of said upright member and at right angles to the same, said second member having an opening therethrough, a rotatable shaft mounted in the opening in the upright member, means for retaining said shaft against endwise movement, a striker removably mounted at one end of said shaft, a rod at the opposite end of said shaft, a plunger mounted in the opening in the second named supporting member, said plunger having a looped lower end engaging the said rod, a finger piece at the upper end of said plunger, a coiled spring surrounding said plunger adapted to resist downward movement of the same, and a projection below said shaft adapted to be engaged by a finger of the player.

In testimony whereof I hereunto affix my signature.

WILLIAM EVERETT STONEBRIDGE.