

July 14, 1925.

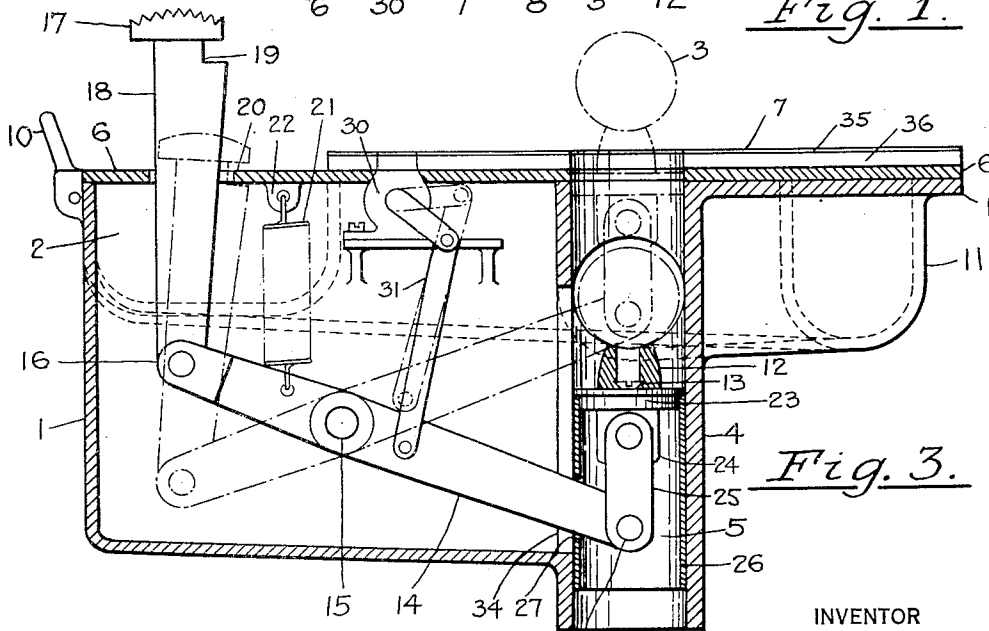
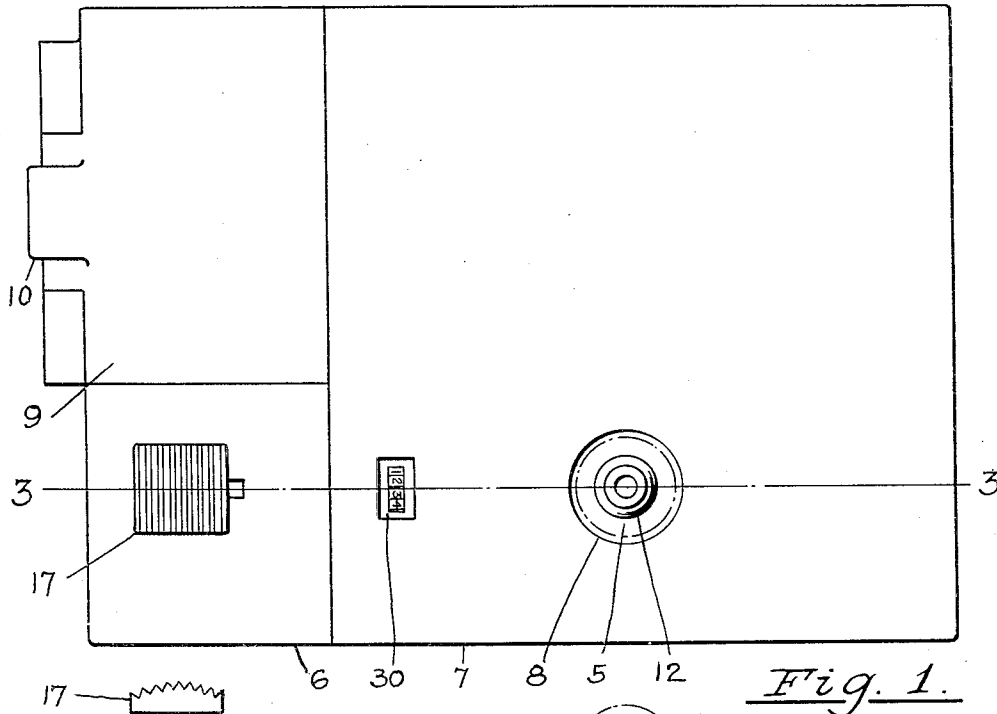
1,545,959

D. HUYLER

GOLF BALL TEEING DEVICE

Filed April 23, 1925

2 Sheets-Sheet 1



INVENTOR

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BY

Wallace White

ATTORNEY

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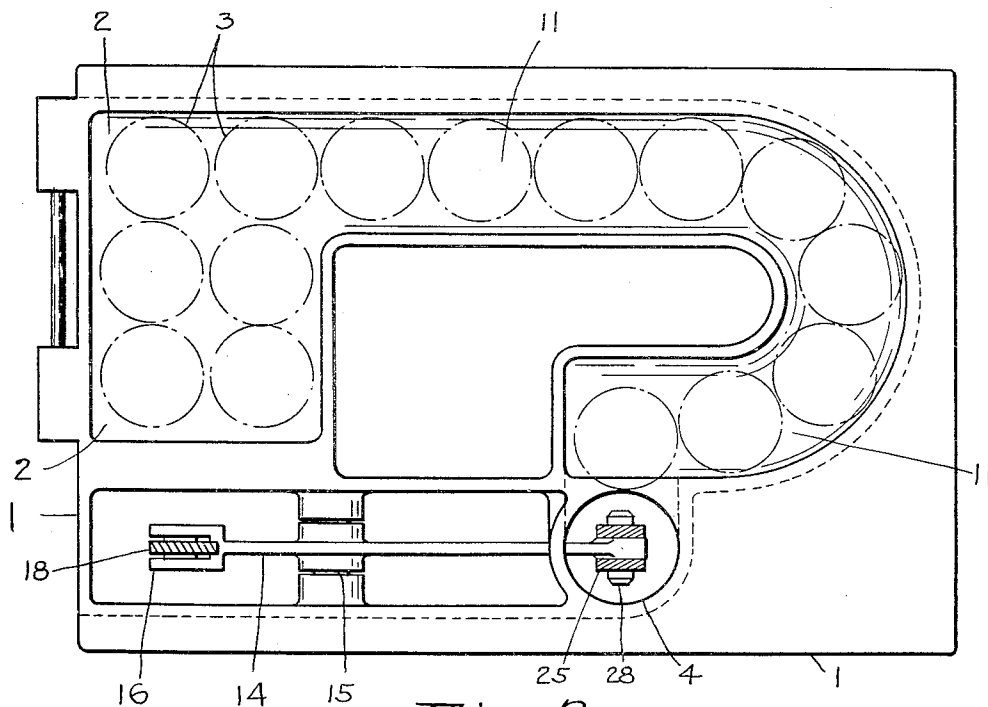


Fig. 2.

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UNITED STATES PATENT OFFICE.

DAVID HUYLER, OF NEW YORK, N. Y.

GOLF-BALL-TEEING DEVICE.

Application filed April 23, 1925. Serial No. 25,189.

To all whom it may concern.

Be it known that I, DAVID HUYLER, a citizen of the United States of America, residing at 299 Park Avenue, in the city, county, and State of New York, have invented new and useful Improvements in Golf-Ball-Teeing Devices, of which the following is a specification.

The object of my invention is to provide a device for teeing golf balls. Most golfers find it desirable to practice driving balls frequently, and for this purpose they tee up balls one after another in the same spot, and drive them away. Instruction in the game of golf is usually given by professionals who similarly tee up one ball after another for the pupil to hit. In both of these cases, the bending over to tee the balls becomes irksome after a time, and the principal object of my invention is to provide suitable apparatus for teeing balls one after another as the preceding one is hit away.

With these and other objects in view, my invention consists in the combination, construction and arrangement of parts herein described and claimed, and illustrated in the accompanying drawings.

In these drawings, in which I have illustrated a preferred embodiment of my invention, and in which similar reference characters designate corresponding parts in all views,

Figure 1 is a plan view of a device embodying my invention;

Fig. 2 is a plan view of the same with the top plate removed, with the cover of the ball reservoir off, and with the counter removed, parts being shown in section; and,

Fig. 3 is a sectional view taken approximately on the line 3—3 of Fig. 1, showing in dot-and-dash lines the parts in position holding a ball on the tee ready to be hit.

Referring to these drawings, I provide a housing 1 containing a reservoir 2 for the golf balls 3, and a cylinder 4 in which there is a slidable piston 5 for elevating a ball, the housing also containing mechanism for actuating the piston, so that all moving parts are fully enclosed and protected.

The housing 1 is preferably provided with a suitable cover plate 6 on which is mounted a pad 7 of suitable material to withstand blows from a golf club without injuring the club, such as rubber, or a thin layer of tough material such as bakelite 35, with a lining of felt 36 between it and the cover

plate, the cover plate 6 and the pad 7 having an opening 8 therethrough through which the piston 5 may raise a ball 3 to striking position.

At one side of the housing 1, out of the way of the golf club when the ball is being struck at, is provided an entrance to the reservoir 2 which is preferably kept closed by a hinged cover 9. For convenience in opening it, the cover 9 may be provided with a lug 10. From the reservoir 2 there is an inclined passageway 11 leading within the housing from the reservoir 2 to the cylinder 4 which is open at the side, so that a ball placed in the reservoir will follow the passage down the incline and enter the cylinder, coming to rest upon the top of the piston by which it is to be raised to striking position.

The piston 5 has on its top a tee 12 which may be of rubber, which is preferably removably held in place, as by means of the screw 13. The piston 5 is of an elongated type, so that when it is raised up to bring the ball to striking position, it effectively closes the entrance from the passageway 11 to the cylinder, and prevents the balls in the passageway from advancing until the piston returns to its lowest position, when another ball enters the cylinder and takes its place on the top of the tee.

The raising and lowering of the piston 5 may be effected by means of a lever 14 suitably fulcrumed in the housing at 15, and having suitable means such as the rod 18 extending from one end 16 thereof outside the housing, by means of which the lever may be actuated, the other end of the lever extending into the cylinder 4 through a suitable slit 34 in the side of the cylinder. As shown, I have made the device operable by means of a foot pedal 17, and the rod 18 carrying the pedal is preferably provided with a notch 19 which may engage upon a suitable portion 20 of the housing to hold the pedal down and the piston in raised position while a shot is made by the player.

I prefer to provide a spring 21 connected between the lever 14 and a suitable lug 22 on the housing, to definitely return the piston to its lowermost position when the foot pedal 17 has been released.

While any suitable form of piston may be used, I have found it convenient to provide a tubular piston having a solid head 23

upon which the tee 12 is mounted, the head having a lug 24 projecting downward, to which is connected a link 25, the other end of the link being connected to the lever 14. The tube 26 of the piston has a slit 27 cut in the side to permit of the lever 14 entering within the tube for connection with the link 25; and in order to assemble the construction it is necessary to provide a hole (not shown) through the tube in line with the pin 28 connecting the link 25 and the lever 14 so as to permit of the insertion of the pin 28. The lower end of the piston and also of the cylinder are preferably open to permit of draining, this being the lowest part of the housing, and all the surfaces within as far as possible sloping towards this point.

If desired, a counter 30 may be mounted within the housing with its face exposed at the upper part thereof, this being connected by means of a link 31 to the lever 14 so as to be operated therefrom to indicate the number of balls that have been teed. The professional may find it a convenient way to keep track of the number of shots taken by a pupil during a given lesson.

Briefly the operation of the device is as follows:

The cover 9 is raised by pressure of the foot on the lug 10, and a quantity of balls 3 are put into the reservoir 2. The balls immediately start to roll down the incline of the passage 11 until the first one reaches the cylinder 4, and the passageway fills up, as does also the reservoir, according to the number of balls inserted. Assuming that the parts are in the position shown in full lines in Fig. 3, the first ball to enter comes to rest upon the tee 12 of the piston 5. Then the foot pedal 17 is pressed down, raising the ball to the position shown in dot-and-dash lines, Fig. 3, and the foot pedal is pushed forward so that the notch 19 engages the housing at 20 and the parts are held in this position. The player now strikes the ball which is on the tee and drives it away. Then the foot pedal 17 is moved back, i. e., to the left in Fig. 3, to release the catch, and the foot is raised permitting the pedal, aided by the spring 21, to move upward, and the piston downward to its lowermost position, whereupon under the influence of gravity the next ball takes its position upon the tee, and the other balls in the passage 11 and reservoir 2 advance. The cycle of operations is then repeated; and each time the lever 14 is moved, the fact is registered by the counter 30. The capacity of the reservoir 2 and passage 11 to the cylinder 4 may be varied, but is preferably at least sufficient to hold a dozen balls; and when this number of balls has been driven away, a new supply must be added to the reservoir.

Having now described my invention I claim and desire to secure by Letters Patent:

1. A golf ball teeing device comprising a reservoir for a number of balls, and means for segregating and raising a ball to striking position.

2. A golf ball teeing device comprising an inclined runway, and means for receiving the balls therefrom one at a time and raising them to striking position.

3. In a golf ball teeing device the combination comprising a cylinder, a piston therein, means for admitting a golf ball to the cylinder above the piston, and means for raising the piston to lift the golf ball to striking position.

4. A golf ball teeing device comprising a vertical cylinder, a piston therein, an inclined runway for balls terminating in an entrance to the cylinder, and means for lifting a ball in said cylinder as received from said runway to striking position.

5. A golf ball teeing device comprising a ball reservoir, a cylinder adapted to receive balls from said reservoir, a piston within said cylinder having on the top thereof a tee, a lever for raising said piston, and a pedal for actuating said lever.

6. A golf ball teeing device comprising a ball reservoir, a cylinder adapted to receive balls from said reservoir, and an elongated piston within said cylinder for raising a ball to striking position and holding back the other balls during the stroke of the piston.

7. A golf ball teeing device comprising a ball reservoir, a cylinder adapted to receive balls from said reservoir and having a slit at one side, a tubular piston having a tee on the head thereof, and a slit in the side in alignment with the cylinder slit, and a lever to actuate said piston extending through said slit and linked to the piston within.

8. A golf ball teeing device comprising a ball reservoir, a cylinder adapted to receive balls from said reservoir, a piston within said cylinder, a lever for operating said piston, a link connecting said piston and lever, a pedal connected with the other end of said lever, and a catch for holding said pedal down to maintain the piston in raised position while a ball is hit.

9. A golf ball teeing device comprising a ball reservoir, a cylinder adapted to receive balls from said reservoir, a piston within said cylinder, a lever for operating said piston, a link connecting said piston and lever, a pedal connected with the other end of said lever, a catch for holding said pedal down to maintain the piston in raised position while a ball is hit, and a spring to raise the pedal when said catch is released.

10. In a golf ball teeing device the combination comprising a cylinder, a piston therein, means for admitting a golf ball to

the cylinder above the piston, means for raising the piston to lift the golf ball to striking position, and means for counting the strokes of the piston.

- 5 11. A golf ball teeing device comprising a housing including a ball reservoir, a cylinder adapted to receive balls from said reservoir, a suitable impact material on the

upper surface of said housing, and an opening through said upper surface in alignment 10 with said cylinder to permit of a ball being raised therethrough to striking position.

In testimony whereof I have signed my name to this specification.

DAVID HUYLER.