Nov. 23, 1926. 1,608,447

O. A. WADE

HOME BOWLING GAME

Filed April 14, 1926

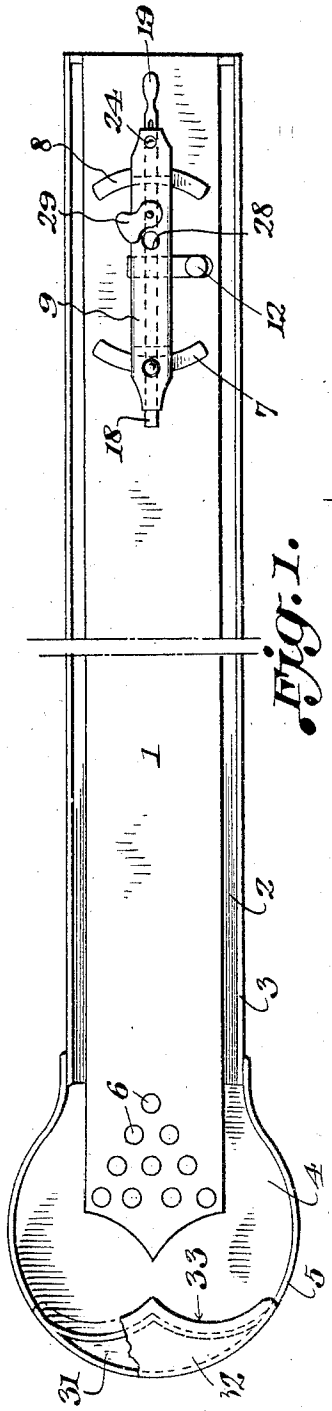


Fig. 1.

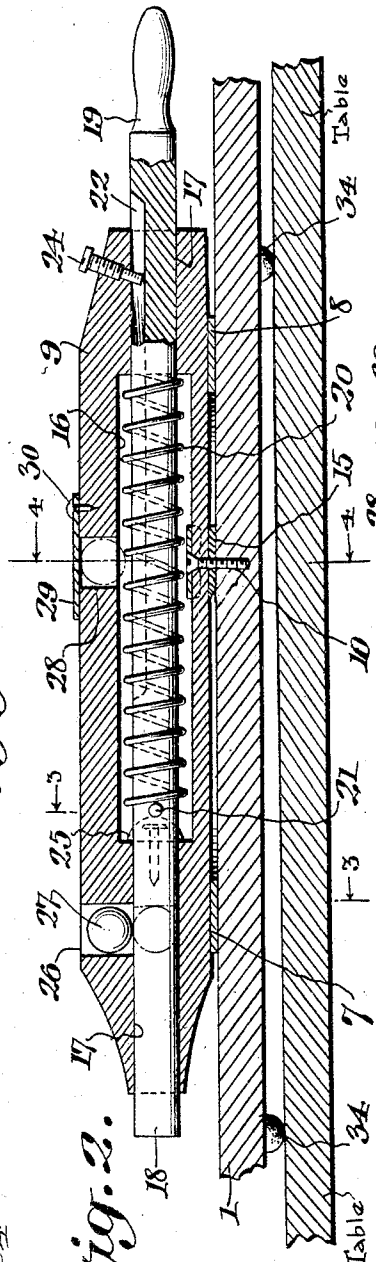


Fig. 2.

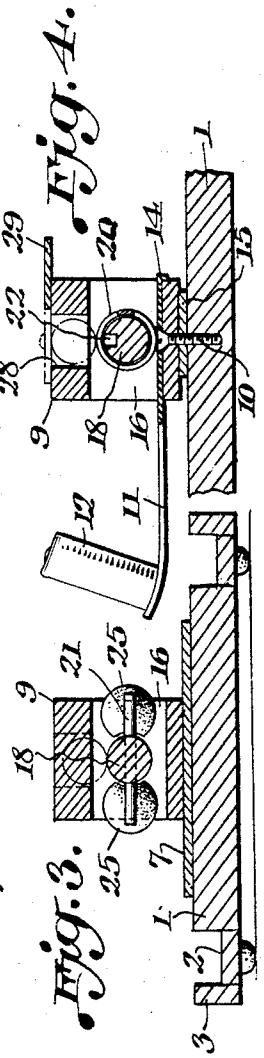


Fig. 4.

Fig. 3.

Inventor

Oscar A. Wade

By Lester L. Sargent.

Attorney

Patented Nov. 23, 1926. 1,608,447

UNITED STATES PATENT OFFICE.

OSCAR A. WADE, OF AVON, MASSACHUSETTS.

HOME BOWLING GAME.

Application filed April 14, 1926. Serial No. 102,017.

The object of my invention is to provide a novel home bowling game and particularly to provide a novel device for propelling the ball towards the bowling pins; and to provide novel means to prevent the ball from rebounding against the pins.

I attain these and other objects of my invention by the device illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of my invention;

Fig. 2 is an enlarged longitudinal section through the ball propelling device;

Fig. 3 is a section on line 3—3 of Fig. 2; and

Fig. 4 is a section on line 4—4 of Fig. 3.

Like numerals indicate like parts in each of the several views.

Referring to the accompanying drawings, I provide a suitable alley 1, having gutters 2 formed between the outer walls 3 and the alley 1. I provide the pit 4 encircled by the wall 5 at the lower end of the alley. I provide the end of the pit 4 with a recessed or depressed portion 31, into which the bowling ball will drop, to prevent its rebounding against the pins. I also provide a suitable cover 32, corresponding in shape with the depressed portion 31 but of larger size, so that its edge portion 33 will project beyond the edge of the depressed portion. I provide bowling pins 6, which are set up in the conventional triangular arrangement. Near the other end of the alley I provide the arcuate bearing strips 7 and 8, on which the barrel 9 is swingingly mounted by means of the pivot 10, which extends through the centrally mounted plate 15. I provide suitable legs 34 on the bottom of the alley 1, as shown in Fig. 2. Slidably mounted in a cylindrical channel which extends longitudinally through member 9 is a propulsion rod 18, having a handle 19 and a longitudinal groove 22 into which the end of the stop 25 projects, as shown in Fig. 2. I provide a chamber 16 in member 9, which contains the coil spring 20, which encircles the propulsion rod 18 and is attached at 21 to said rod and bears against the end of the chamber 16 so as to tend to propel the rod 18 in a forward direction. I provide a vertical channel 26 to receive the minature bowling ball 27 which, when propulsion rod 18 is thrown into a retracted position, will fall into the channel 17 and will be struck by the forward end of rod 18 when the latter is released and operated by the coil spring 20. I preferably may provide a second aperture 28 near the rear portion of member 9, of sufficient size to insert a screw on which the barrel turns to different angles relative to the alley. I provide a suitable cover 29, pivoted to member 9 by pin 30.

I also provide means for swinging the propulsion device on its pivot 10, consisting of a suitable arm or plate 11, having a bent end 14 engaging the outer wall of member 9 and having a suitable handle or knob 12 which may be grasped by the hand of the operator to swing the propulsion device to the desired angle relative to the bowling alley, in order to aim at any particular pins which may be left standing. The operation of the device will be obvious from the foregoing description and the accompanying drawings. The member 9 may be swung to the desired angle relative to the bowling alley and the propulsion rod thrown to a retracted position by rod 19 and then suddenly released, the ball passing through the channel and down the bowling alley 6 in a manner similar to that used on large bowling alleys.

What I claim is:

1. In a home bowling game, the combination of a bowling alley having laterally extending gutters, a pit, encircling walls at the ends and sides of the pit and gutters, the pit having a depressed portion to receive the balls and prevent their rebounding, and a cover extending over the depressed portion of the pit.

2. In a home bowling game, the combination of a bowling alley having laterally extending gutters, a pit, encircling walls at the ends and sides of the pit and gutters, the pit having a depressed portion to receive the balls and prevent their rebounding, a cover extending over the depressed portion of the pit, said cover projecting slightly beyond the edge of the depressed portion of the pit, and a manually operated ball propulsion device swingably mounted on the other end of the alley.

OSCAR A. WADE.