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R. G. MACNAUGHTON ET AL

GOLF SWING DEVICE

Filed April 2, 1924

2 Sheets-Sheet 2

Fig. 3.

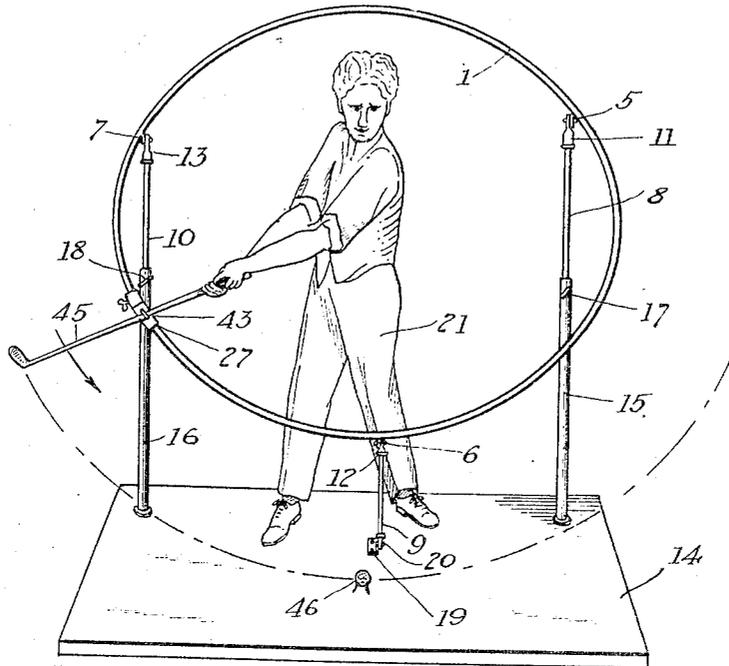


Fig. 4.

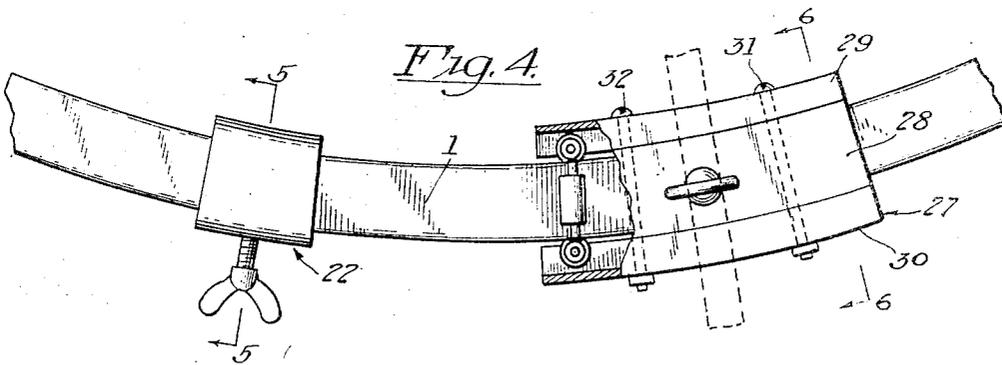


Fig. 5.

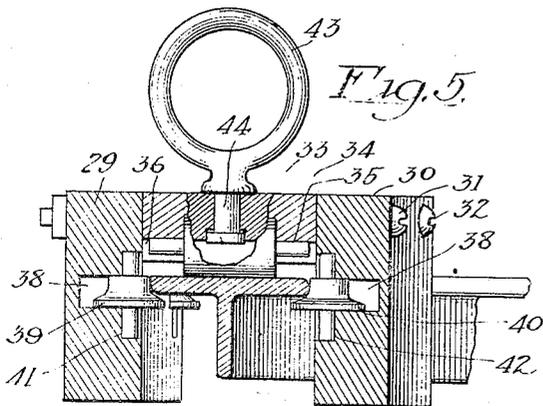
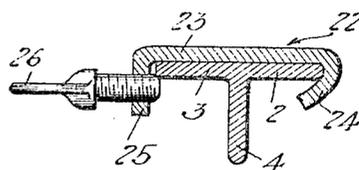


Fig. 6.



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UNITED STATES PATENT OFFICE.

RONALD G. MACNAUGHTON AND MORTON R. WALKER, OF LOS ANGELES, CALIFORNIA.

GOLF SWING DEVICE.

Application filed April 2, 1924. Serial No. 703,647.

To all whom it may concern:

Be it known that we, RONALD G. MACNAUGHTON, a subject of the King of Great Britain, and MORTON R. WALKER, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented new and useful Improvements in Golf Swing Devices, of which the following is a specification.

The invention relates to golf swing devices, and consists of the novel features herein shown, described and claimed.

An object is to make a device for exercising and training a person to make proper swings and strokes in playing golf.

Other objects and advantages will appear from the drawings and specification.

The drawings illustrate the invention.

Figure 1 is a perspective of a golf swing device embodying the principles of the invention, and showing an operation.

Fig. 2 is a view analogous to Fig. 1 and showing another operation.

Fig. 3 is a view analogous to Figs. 1 and 2, and showing a third operation.

Fig. 4 is an enlarged fragmentary plan of the details of the stop and slide shown in Fig. 3.

Fig. 5 is a cross section on the line 5-5 of Fig. 4, and looking in the direction indicated by the arrows.

Fig. 6 is an enlarged cross section on the line 6-6 of Fig. 4, and looking in the direction indicated by the arrows.

The details of the golf swing device shown in the drawings are as follows:

The ring 1 is T-shaped in cross section, the aligned flanges 2 and 3 being at the top, and the center flange 4 projecting downwardly. Ears 5, 6 and 7 are welded to the flange 4 and extend downwardly so as not to obstruct the track formed by the flanges 2 and 3. Posts 8, 9 and 10 have ears 11, 12, and 13 at their upper ends, pivotally connected to the ears 5, 6 and 7, the axes of the pivots being substantially parallel.

The base 14 is a rectangular platform. Tubular posts 15 and 16 are rigidly mounted near the back corners of the platform, and the posts 8 and 10 are slidingly mounted in the rigid posts 15 and 16, and the posts 8 and 10 are held in adjustable positions by wing head set screws 17 and 18. A bracket 19 is secured to the platform 14 near its center and an ear 20 upon the lower end of

the post 9 is pivotally connected to the bracket 19, the axis of the pivot being substantially parallel with the axes of the pivots connecting the ears 5, 6 and 7. The bracket 19 is in front of the operator 21 standing upon the platform 14 between the posts 15 and 16, and the post 9 is comparatively short so as to hold the ring 1 in an inclined position when seen in side elevation or perspective as in Fig. 1, and the post 9 has a fixed length so that as the telescoping posts 8 and 10 are adjusted up or down the post 9 will swing forwardly or backwardly.

The stop 22 is a piece of strong strap iron cut and bent to form the central portion 23, the downturned hook 24 and the downturned flange 25. The central portion 23 fits across the top of the flanges 2 and 3, the hook 24 extends around the edge of the flange 2 and the wing head set screw 26 is screw threaded through the flange 25 to engage under the edge of the flange 3 so that by loosening the set screw the stop may be readily moved upon the ring and by tightening the set screw the stop is securely held in the desired position.

The slide 27 is mounted upon the ring 1 and the frame of the slide consists of a top 28 and sides 29 and 30. The top 28 is curved to match the curvature of the ring 1. The side 27 is curved to fit the outer side of the top 28 and the outer side of the ring 1 and the inner side 29 is curved to fit the inner side of the top 28 and the inner side of the ring 1. Bolts 31 and 32 extend through the upper portions of the sides 29 and 30 and through the top 28 to hold the parts rigidly together. Recesses 33 are formed from the lower face of the top 28 to receive flat straight rollers 34 and smaller recesses 35 and 36 are formed from the bottom of the top 28 to receive the pintles of the rollers so that the rollers will run on top of the flanges 2 and 3 and support the slide. Recesses 37 and 38 are formed from the inner faces of the sides 29 and 30 to receive flange rollers 39 and 40, and recesses 41 and 42 are formed at opposite sides of the recesses 37 and 38 to receive the pintles of the flange rollers so that the rollers will bear against the edges of the flanges 2 and 3 and the flanges of the rollers will extend under the edges of the track flanges 2 and 3 to hold the slide in place, the rollers having curved peripheral bearing faces. A ring

43 has a shank 44 extending through the center of the top plate 28 and held in place so that the ring 43 may rotate.

In Fig. 6 the ring is turned to a plane at right angles to the showing in Fig. 4, in order to show the ring.

The handle or shank 45 of a golf stick is inserted loosely through the ring 43 and as the operator 21 manipulates the golf stick the slide 27 travels freely upon the track ring 1 so that the operator may practice the different swings required in actual playing upon the links. For ordinary drives the stop 23 is removed, and for short strokes the stop 23 is adjusted to any desired position to limit the back swing of the golf stick. The operator may place a ball 46 in position and make his swing accordingly, or he may imagine the position the ball would be in. Thus, we have produced a golf swing device which may be used in learning the various swings and strokes for playing golf, and as an exerciser and developer.

Various changes may be made without departing from the spirit of our invention as claimed.

We claim:

1. A golf swing device comprising a track adjustably mounted, a slide upon the track, and a swiveled ring carried by the slide.

2. A golf swing device comprising a support, a ring track adjustably mounted thereon, a slide mounted upon the track, and a swiveled ring carried by the slide.

3. A golf swing device comprising a platform, a ring track adjustably mounted upon the platform, a slide mounted upon the track, and a swiveled ring carried by the slide to receive a golf stick.

4. A golf swing device comprising a platform, a ring track adjustably mounted upon the platform, a slide mounted upon the track, a stop removably and adjustably mounted upon the track, and a swiveled ring carried by the slide to receive a golf stick.

5. A golf swing device comprising a T rail circular track, a platform, an adjustable swinging connection between the forward lower part of the track and the platform and vertically adjustable pivoted con-

nections between the rear part of the track and the rear of the platform, a slide mounted upon the track, a ring swiveled to the slide and adapted to receive the shank of the golf stick.

6. In a device of the class described, the combination with a guide track, of a club shaft having means at a point intermediate of its length engaging said track, said club shaft being capable of rotation on its axis with respect to the engaging means.

7. In a device of the class described, the combination with a guide track, of a club shaft having means at a point intermediate of its length engaging said track, said club shaft being capable of rotation on its axis with respect to the engaging means and of varying its inclination to the track in all directions.

8. In a device of the class described, the combination with a track, of a carriage mounted on said track, and a club shaft rotatably mounted in said carriage.

9. In a device of the class described, the combination with a track, of a frame, flanged wheels carried by said frame and engaging with said track, and a club shaft connecting to said carriage.

10. In a device of the class described, the combination with a stand, of an inclined guide track carried by said stand, means for varying the inclination of said track, and a club shaft having means engaging with said track.

11. In a device of the class described, the combination with a stand, of a guide track pivotally mounted on said stand, means for swinging said track on its pivot to vary its inclination, and a club shaft having means engaging with said track.

12. In a device of the class described, the combination with a track, of a frame, flanged wheels carried by said frame and engaging with said track, and a club shaft mounted in said frame to rotate and to have varied inclination thereto.

In testimony whereof we have signed our names to this specification.

R. G. MACNAUGHTON.
M. R. WALKER.