

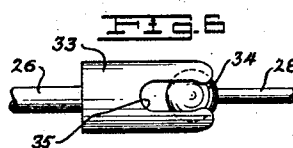
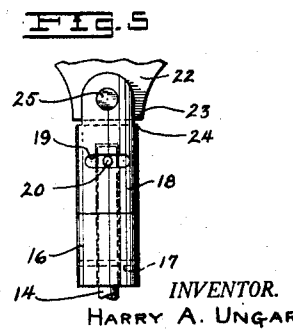
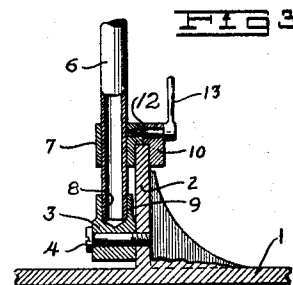
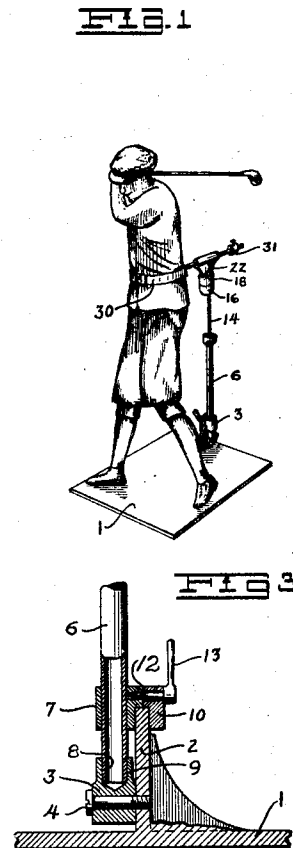
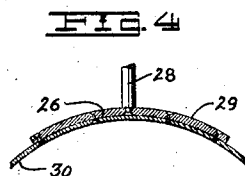
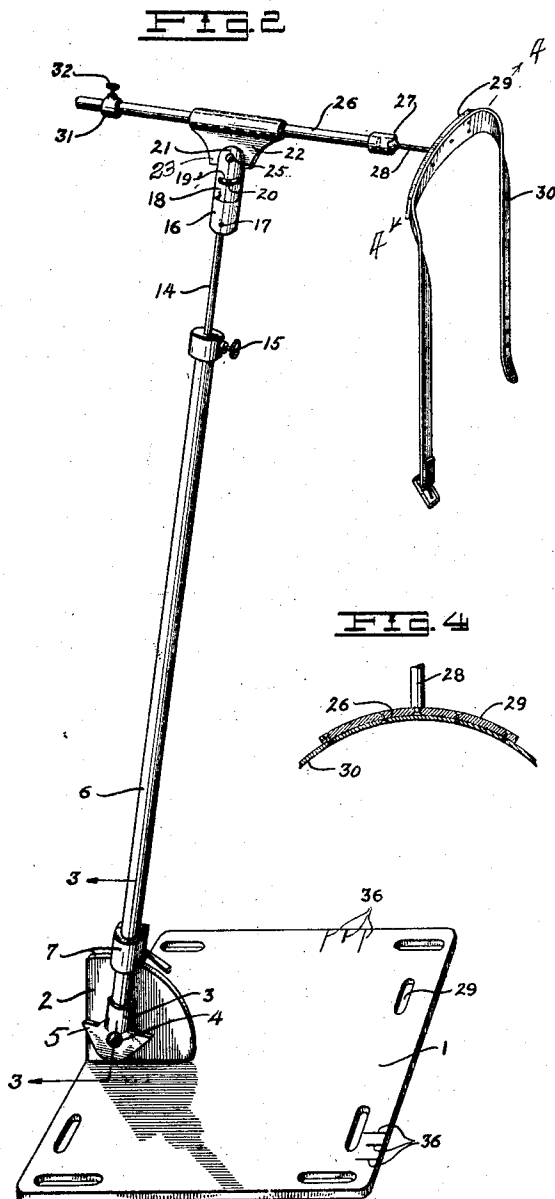
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GOLF POSITIONING APPARATUS

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BY

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UNITED STATES PATENT OFFICE.

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GOLF POSITIONING APPARATUS.

Application filed September 8, 1924. Serial No. 736,395.

To all whom it may concern:

Be it known that I, HARRY A. UNGAR, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Improvement in Golf Positioning Apparatus, of which the following is a specification.

This invention relates to apparatus for teaching golf players to assume correct positions preparatory to and while making a stroke.

One object of the invention is to provide a device for use in practising driving strokes, and in training the player's muscles so as automatically, and as nearly as possible, to limit the movements of the player's body while making a stroke to a vertical pivotal movement about his spine as a fixed vertical pivot.

Another object is to provide a positioning means to enable a player to position his feet properly in making "slice" or "hook" strokes.

A further object is to make the apparatus of relatively adjustable parts so as to facilitate its transportation and to adapt for use with players of various heights and shapes.

Other objects will become apparent as the detailed description proceeds.

In the drawings, wherein the similar parts are indicated by like reference characters in the different views,

Fig. 1 is a perspective view of the device embodying the invention, showing its mode of application to the body of a player.

Fig. 2 is a perspective view of the apparatus itself.

Fig. 3 is a detail vertical section taken on the line 3—3 of Fig. 2.

Fig. 4 is a horizontal section of the belt holder taken on the line 4—4 of Fig. 2.

Figs. 5 and 6 are views showing details of several parts of the apparatus.

The apparatus comprises a base plate 1 having a pivot plate 2 extending vertically therefrom near the center of one edge thereof. A socket member 3 is pivoted to said plate 2 by means of a pivot member 4 and has stop lugs 5 extending laterally therefrom. A hollow standard 6 passing through and secured to a clamp member 7 has one end 8 seated in the socket 9 of socket member 3. The clamp member 7 cooperates with another clamp member 10 and with plate 2

to hold the standard 6 in any desired position relative to the base plate 1, the two clamping members 7 and 10 being drawn into frictional clamping contact with plate 2 by means of a screw 12, having screw-threaded engagement with clamp member 7, passing freely through clamp member 10, and carrying at its end an operating handle 13.

Adjustable longitudinally in the standard 6, is a rod 14, adapted to be secured in different adjusted positions in the standard 6 by means of the set screw 15. An abutment 16 is fixed near the end of rod 14 as by a pin 17 and serves as a support for a bifurcated member 18 mounted to rotate on the end of rod 14, the member 18 being provided with a slot 19 and the rod 14 having a pin 20 operating in said slot to limit the relative rotation of said member and rod.

Between the furcations 21 of the member 18, there is pivoted a slide carrier 22 having stop ends 23 to contact with the ends 24 of member 18 to limit the movement of said carrier around its pivot 25. The carrier 22 has slidably mounted therein a rod 26 having at one of its ends a universal joint 27, one member of which has fixed thereto the end of a rod 28 carrying a plate 29 to which is riveted or otherwise secured a belt 30. The rod 26 at the other side of the carrier 22 has a stop member 31 adjustable thereon adapted to be secured in adjusted position by means of a set screw 32.

The universal joint is of peculiar construction and is particularly designed to allow for peculiar movements of the player's body while making a stroke. It comprises a socket member 33 and a ball member 34 seated rotatably therein, the socket member having slots 35 cut therein to receive the rod as the player in pivoting moves the rod.

The marks 36 on the plate 1 are provided to indicate to players using the invention the proper positions for their feet in order to make "slice," "hook," or other strokes.

In operation, the belt carrier is adjusted as to height by sliding the rod 14 up or down in the standard 6 to accommodate persons of different heights, and the standard 6 is adjusted about its pivot 4 and is clamped in adjusted position by means of the clamp members 7 and 10 to position persons of different shapes conveniently on the stand or plate 11. The extent of sliding movement of

the rod 26 in the carrier 22 is determined by the skill of the player, and is effected by the adjustment of the member 31 on the rod 26; beginners being limited to movements of a few inches relative to the standard while more skillful players may take anything up to the full length, the lengths of permissible sliding movement being dependent on the errors which it is desired to correct.

10 What is claimed is:—

1. In golf positioning apparatus, a support adapted to be fixed to the ground, a rod adjustably mounted in said support, means for holding said rod in adjusted position in
15 said support, a second rod slidably carried by the first rod, and means carried by said second rod and adapted to be secured to and hold the body of a player.

2. In golf positioning apparatus, a support adapted to be fixed to the ground, a rod adjustably mounted in said support, means for holding said rod in adjusted position in
20 said support, a second rod slidably carried by the first rod, and a belt carried by said second rod.

3. In golf positioning apparatus, a stand, a support pivotally connected to said stand, a rod fixed to said support, clamping means carried by said rod and cooperating with
30 said stand to clamp said rod thereto, and means carried by said rod for holding the body of a player.

4. In golf positioning apparatus, a stand, a support pivotally connected to said stand, a rod fixed to said support, means for clamping
35 said rod to said stand, a second rod adjustably mounted in the first rod, and means slidably connected to the second rod for holding the body of a player.

5. In golf positioning apparatus, a plate adapted to rest on the ground, a lug projecting vertically from said plate, a rod pivoted to said lug, means for clamping said rod to said lug, and means connected to said rod
45 for holding the body of a player.

6. In golf positioning apparatus, a plate adapted to rest on the ground, a rod pivoted to said plate, means for clamping said rod to said plate, a second rod adjustable longitudinally on the first named rod, means for
50 holding said second rod in adjusted position on said first rod, and means connected to the second rod for holding the body of a player.

7. In golf positioning apparatus, a plate for receiving the feet of a player, a rod pivotally connected to said plate, means for clamping said rod to said plate, a slide rotatably mounted on said rod, and means
60 slidably mounted in said slide for holding the body of a player.

8. In golf positioning apparatus, a plate adapted to rest on the ground, a support mounted on said plate, a carrier pivotally mounted on the end of said support, said
65 carrier and support having cooperative

means for limiting the pivotal movements of the carrier relative to the support, and means slidable in said carrier for holding the body of a player.

9. In golf positioning apparatus, a plate adapted to rest on the ground, a support mounted on said plate, a slide carrier, means rotatably mounted on the end of said support and pivotally connected to said carrier to connect the latter rotatably and pivotally to said support, and means slidably arranged in said carrier to be secured to and hold the body of a player.

10. In golf positioning apparatus, a support, a slide carrier, a connector rotatably mounted on said support and pivotally connected to said carrier, said connector and support having cooperating means for limiting the rotation of the connector relative to the support, said connector and said carrier also having means for limiting their relative pivotal movements, and means slidably mounted in said carrier to hold the body of a player.

11. In golf positioning apparatus, a support adapted to be fixed to the ground, means carried slidably by the end of said support to slide substantially horizontally and to hold the body of a player, and means to limit the sliding movements of the first named means relative to said support.

12. In golf positioning apparatus, a support, a rod adjustable longitudinally of said support, a second rod slidable transversely of the first named rod, and means connected by a universal joint to said second rod for holding the body of a player.

13. In golf positioning apparatus, a support, a rod slidable transversely of said support, a cup at the end of said rod, a ball rotatably secured in said cup, and means connected to said ball for holding the body of a player.

14. In golf positioning apparatus, a support, a rod connected to said support to slide transversely thereof, means to hold the body of a player, a cup at the end of said rod, a ball rotatably mounted in said cup, and a rod connecting said ball and said means, the cup being provided with slots adapted to receive the last named rod.

15. In golf positioning apparatus, a plate adapted to rest on the ground and to receive the feet of a player, said plate being provided with means for positioning the player's feet.

16. In golf positioning apparatus, a support adapted to be fixed to the ground, means for holding the body of a player and rotatably mounted at the end of said support, said means and said support having a cooperative pin and slot connection for limiting the rotary movements of said means relative to said support.

17. In golf positioning apparatus, a sup-

port adapted to be fixed to the ground, a bifurcated member rotatably mounted at the end of said support, said member and said support having cooperative means for limiting their relative rotation, a carrier pivotally mounted in said member, and means for holding the body of a player slidably connected to said carrier.

18. In golf positioning apparatus, a support adapted to be fixed to the ground, a member rotatably mounted at the end of said support, said member and said support having cooperating means for limiting their relative rotation, a carrier pivoted to said member, means slidably connected to said carrier for holding the body of a player, and means for limiting the sliding move-

ments of the last named means relative to said carrier.

19. In golf positioning apparatus, a support adapted to be fixed to the ground, a member rotatably mounted on the end of said support, said member and said support having cooperating means for limiting their relative rotation, a carrier pivoted to said member, means slidably connected to said carrier for holding the body of a player, and means for adjustably limiting the sliding movements of the last named means relative to the carrier.

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

HARRY A. UNGAR.