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GOLF CLUB

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2 Claims. (Cl. 273—163)

This invention relates to game apparatus and, more specifically, to golf clubs.

One of the primary objects of this invention is to provide a golf club of the putter type which is provided with means for indicating to the user that the club is being held in a level position relative to a horizontal plane.

Another object is to provide a golf club of the type described which is provided with a liquid level indicator as a part of the head thereof.

Still another object is to provide said club head with a visual sighting means thereon in the form of a directional arrow.

This invention contemplates, as a further object thereof, the provision of a golf club of the type generally described supra, the golf club being non-complex in construction and assembly, inexpensive to manufacture, and durable in use.

Other and further objects and advantages of the present invention will become more evident from a consideration of the following specification when read in conjunction with the annexed drawing, in which:

Figure 1 is a perspective view of a golf club constructed in accordance with the present invention;

Figure 2 is an enlarged fragmentary detail transverse cross-sectional view taken along the vertical plane of the line 2—2 in Figure 1, looking in the direction of the arrows;

Figure 3 is an enlarged longitudinal detail cross-sectional view of the golf club taken substantially on the vertical plane of line 3—3 in Figure 2, looking in the direction of the arrows; and,

Figure 4 is a top plan view of the golf club head illustrating the directional sight and leveling means.

Referring now more specifically to the drawings, reference numeral 10 designates, in general, a golf club head constructed in accordance with the instant invention. The golf club head 10 is comprised of an elongated, substantially rectangular main body portion 12, having a top side 14, and parallel thereto, a bottom side 16. The main body portion 12 includes a toe portion 18 and a heel portion 20, as well as a front face portion 22.

An integral, cylindrical extension member 24 extends away from the top side 14 of the main body portion 12 and is inclined at an angle in the direction of the heel portion 20, and is connected with the lower end of a shaft member 26 of conventional design.

An elongated, substantially rectangular recess 28 extends inwardly from the top side 14, the longitudinal axis thereof being disposed in the vertical plane of the longitudinal axis of the main body portion 12. As is seen in the drawings, the upper end of the recess 28 opens

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into a continuous rabbeted edge 30, to serve a function to be described below.

A spirit level 32 formed of Lucite or other suitable material is fixedly secured within the recess 28 by conventional means such as, for example, glue 33 in such a manner that when the golf club head 10 is held in a horizontally level position the movable bubble 34 will remain substantially in the center of the spirit level 32.

Reference numeral 36 designates a substantially rectangular, flat cover plate. The cover plate 36 is designed to be press-fit into the rabbeted edge 30. Substantially at its center, the cover plate 36 is provided with a centrally disposed sighting window 38 elongated in the direction of the longitudinal axis of the head 10, and used for a purpose to be described below.

The cover plate 36 is also provided with a pair of transversely extending, longitudinal, substantially straight grooves 40, 42 which intersect the longitudinal edge thereof adjacent the front face 22 at a point 44 midway between the opposed ends of the plate 36. As a result of the intersection of said grooves an indicating arrow 46 is formed which points in the direction in which it is desired to strike the golf ball.

Proceeding now to the operation of the device covered by this specification, the golfer grasps the club in the conventional manner and stands in a position to address the golf ball to be putted. The stance is such that a vertical plane drawn through the point 44 of the arrow 46 would extend through the center of the golf ball and the club is then adjusted in relation to a horizontal plane until the bubble 34 appears circumscribed within the window 38 of the cover plate 36. The bubble 34 will be completely visible through the window 38 of the cover plate 36 only at such time when the club head 10 is level. With the arrow 46 and the bubble 34 in the above described positions, the golfer is assured of accurately stroking the ball at the center of the club head 10. Thus, with the head 10 in such relation the golfer has a greater chance of effecting a solid contact between the head 10 and the ball.

From the above, it will be seen that the club head 10 and the visible portion of the spirit level 32 remain constantly at the focal point of the golfer's line of vision as the ball is addressed.

Having described and illustrated one embodiment of this invention in detail, it will be understood that the same is offered merely by way of example, and that this invention is to be limited only by the scope of the appended claims.

What is claimed is:

1. A golf club head of the character described comprising an elongated substantially rectangular main body portion, said main body portion having a top and a bottom side in substantially parallel relation relative thereto, a face portion extending between said top and bottom sides, heel and toe portions located at the opposed ends of said main body portion, said main body portion being provided with a substantially centrally located elongated substantially rectangular recess extending inwardly from said top side and having a continuous rabbeted outer edge, means disposed within said recess of said main body portion to visually indicate its relation relative to a horizontal plane, said means comprising a spirit type indicator of conventional design, a cover plate extending across said recess and supported on said rabbeted edge, said cover plate having a substantially centrally located

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window therein, said cover plate having a pair of intersecting grooves formed thereon to form an arrow pointing in the direction of said face of said main body portion, and means for attaching said head of said golf club to a conventional shaft, said last named means comprising an angularly disposed extension projecting from said top side of said main body portion and inclined in the direction of said heel portion.

2. A golf club head as defined in claim 1, and wherein the air bubble of said conventional indicator is constantly

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at the focal point of the player's line of vision as a golf ball is addressed.

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