W. BERNAYS.

GOLF CLUB.

APPLICATION FILED JUNE 7, 1919.

1,361,957. Patented Dec. 14, 1920.

Fig. 1.

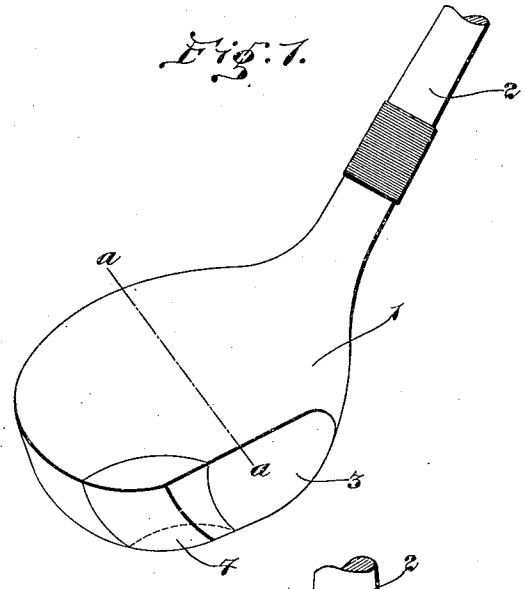
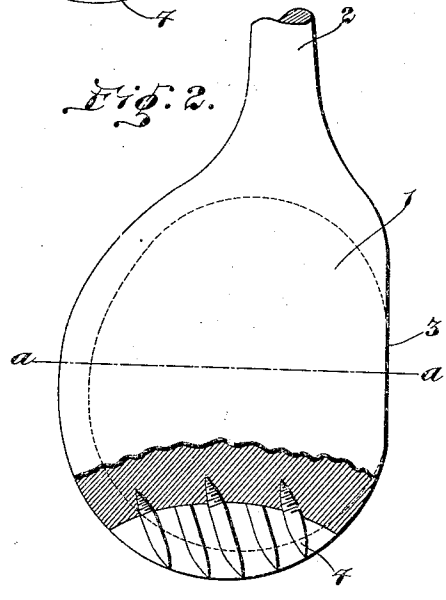


Fig. 2.



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UNITED STATES PATENT OFFICE.

WALTER BERNAYS, OF ST. LOUIS, MISSOURI.

GOLF-CLUB.

1,361,957. Specification of Letters Patent. Patented Dec. 14, 1920.

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To all whom it may concern:

Be it known that I, WALTER BERNAYS, a citizen of the United States, residing at the city of St. Louis and State of Missouri, have invented a new and useful Golf-Club, of which the following is a specification.

This invention relates to improvements in golf clubs, and consists in the novel construction hereinafter disclosed.

It has been the practice in the construction of wooden golf clubs to weight the club head in such a manner that the center of gravity of the head is approximately on a median line between the toe and the heel of the club, so that it is about the center of the striking surface.

In the golf swing the club head is moved in two ways, that is to say, is made to describe an elliptical curve with the player's shoulder as the focus and during the swing the club head is also rotated about the axis of the club shaft.

An object of the invention is to provide a golf club with the head thereof weighted in such a manner as to bring the center of gravity of the head to a point near the toe of the club.

The advantages of the construction will be apparent from the following description taken in connection with the drawing, in which—

Figure 1 illustrates a golf club head constructed in accordance with the principle of the invention.

Fig. 2 is a golf club head with a portion thereof broken away showing the weight in a slightly different position from that illustrated in Fig. 1, but still embodying the principle of the invention.

In the drawing, the head 1 of the golf club is mounted upon a shaft 2 in the usual manner. The head may be of any desired form and is made of suitable wood.

The club is formed with a striking face 3 and, as illustrated in Fig. 1, a weight 4 of lead or other heavy metal is attached to the club head at the toe and extends slightly backward from the front edge of the striking face. This weight gives a preponderance of the weight of the entire mass of the head relatively near the toe of the club, drawing the center of gravity of the head to a point in advance of the center line A—A of the club head.

In Fig. 2 the weight is set in the center of the toe of the club, being held in position in the usual manner.

It will be observed that the center of gravity of the club head is thus moved forward so that the distance from the grip of the club as well as the distance from the shaft of the club to the center of gravity is increased over clubs having the weight in the back face and approximately at the center thereof.

I am aware that the exact location of the weight is not essential and I do not limit myself therefore to the identical construction shown and described, but what I claim and desire to secure by Letters Patent, is:—

In a golf club, a head comprising a wooden body portion provided with a plain striking face and having a recess in its outer end rearward from the striking face, and a metallic body rigidly and permanently secured in fixed position in said recess and making preponderance of weight of the head of the club between the transverse axis of the club and the outer end of the head of the club.

WALTER BERNAYS.