

1,306,029.

Patented June 10, 1919.

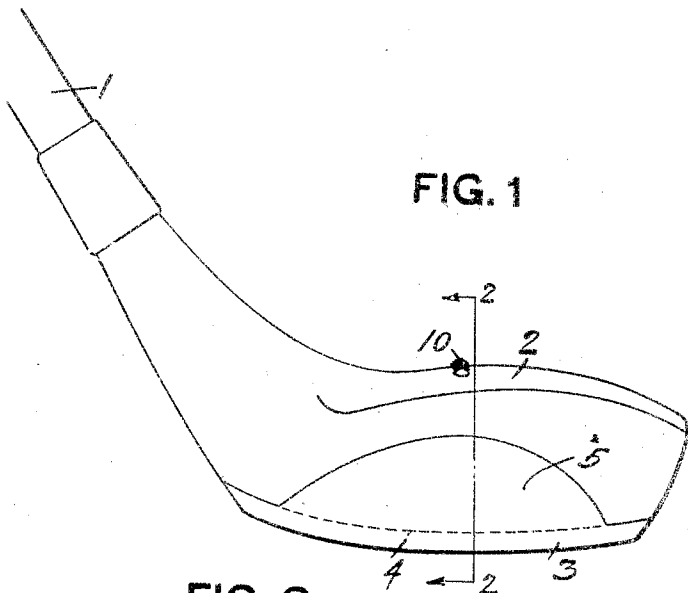


FIG. 1

FIG. 2

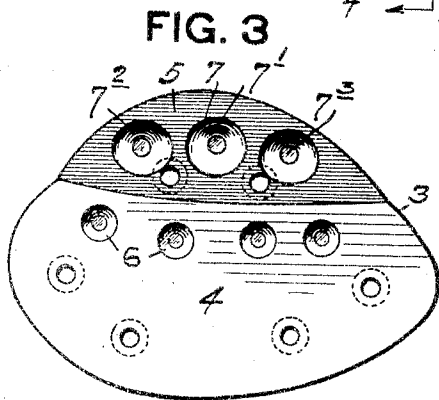
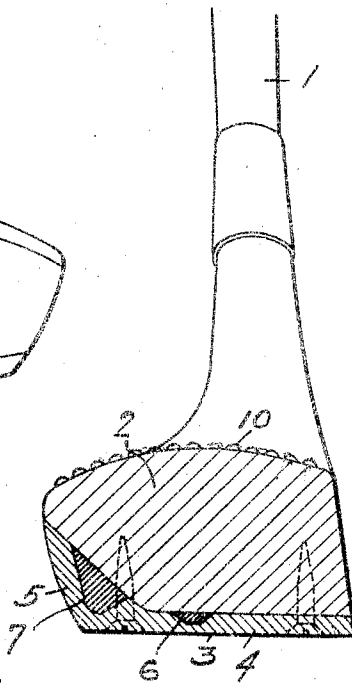


FIG. 3

FIG. 4

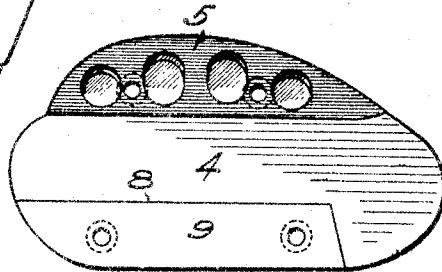
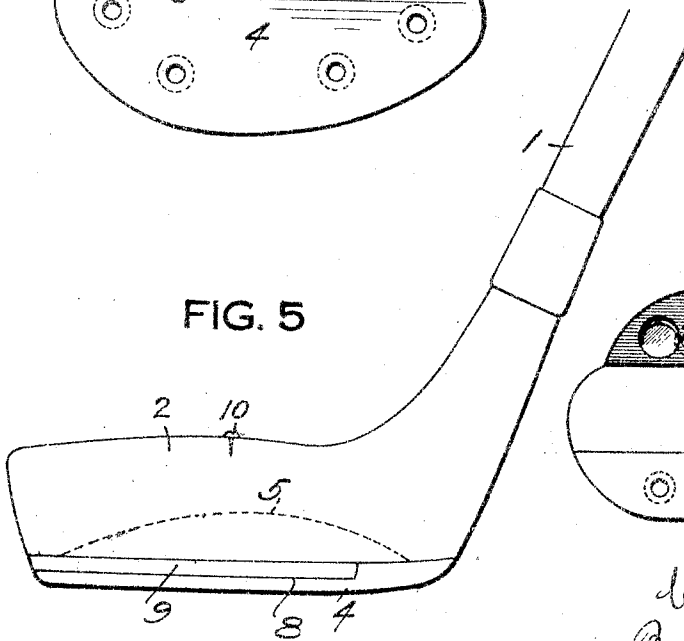


FIG. 5



INVENTOR
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UNITED STATES PATENT OFFICE.

WILLIAM ROBERTSON, OF NEW HARTFORD, NEW YORK, ASSIGNOR OF ONE-HALF TO PETER ROBERTSON, OF NEW HARTFORD, NEW YORK, AND ONE-FOURTH TO WILLIAM ROBERTSON, SR., OF CARNOUSTIE, SCOTLAND.

GOLF-CLUB.

1,306,029.

Specification of Letters Patent. Patented June 10, 1919.

Application filed October 24, 1917. Serial No. 128,241.

To all whom it may concern:

Be it known that I, WILLIAM ROBERTSON, a subject of the King of Great Britain, and resident of New Hartford, in the county of Oneida and State of New York, have invented a new and useful Improvement in Golf-Clubs, (Case 2;) and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to golf clubs, its object being to provide a golf club which is properly weighted for the work to be done, and which provides simple means for the changing of the weighting of the club by which the club may be adapted to the stroke of the user, its weight increased or lightened or properly distributed as needed. It involves part of the construction set forth in my application for patent filed Dec. 11, 1916, Serial No. 136,265.

It comprises, generally stated, a golf club having a wooden head and a base plate secured to the bottom of the wooden head and having in said base plate pockets so distributed as to receive weights or by leaving same unfilled to vary or distribute the weight in the club head.

In the accompanying drawing Figure 1 is an outer side view of the club embodying the invention; Fig. 2 is a cross section on the line 2—2, Fig. 1; Fig. 3 is a top view of the base or sole plate of the club; Fig. 4 is a like view of another form of the sole plate; and Fig. 5 is a side view showing the striking face of the club.

I have illustrated the invention in connection with a brassy or like driving club, and it has the handle 1, the wooden head 2 and the metal base or sole plate 3. The wooden head extends for the entire width of the club head, and below the same is the sole plate which is entirely beneath the wooden head.

The sole plate is preferably made irregular in shape and it has formed in its upper face pockets by which the weighting of the club may be varied. I prefer to form the sole plate of substantially the same thickness extending from the inner striking face of the club toward the outer side thereof as at 4, and then to increase the thickness of the sole plate as at 5, such increase being made gradual, as illustrated, and forming

a thickened lug portion which is utilized to provide for the varying of the weight of the club head. In this base plate I form recesses which may be located at about the mid portion of the plate, as at 6, or in the lug portion, as at 7. I prefer to provide the sole plate with a series of these recesses, as illustrated, and the recesses may either be filled with lead or left empty according as it is desired to vary the weight of the club head. I prefer to form these recesses extending only part way through the sole plate, as illustrated, so that in order to vary the weight of the club head, it is only necessary to unscrew the sole plate from the wooden head and fill in one or more of the recesses according to the judgment of the club maker. For example, if he desires to largely increase the weight of the club head, he may fill all of the recesses, and he has the ability either to fill the center recess 7' or either of the outer recesses 7² or 7³. If he finds that the club has a tendency to slice, he can fill the recess 7² leaving the other recesses empty, and if he finds that the club has a tendency to pull, he can fill the recess 7³ leaving the other recesses empty. So, if he finds it desirable to increase the weight of the club along the mid portion of the body thereof, he can fill one or all of the recesses 7. After the filling of the recesses, it is only necessary to file off the top surfaces of the weight and replace the sole plate upon the wooden club head 2.

Fig. 4 illustrates another form of sole plate in which I provide for a larger number of recesses in the lug portion 5 to be used as desired. Thus, the weighting of the club may be varied as desired and the club brought to a nice balance according to the desire of the user, its weight being increased or decreased and varied by the filling or emptying of the pockets. This sole plate can also be arranged for the support of the fiber filling, as shown in Figs. 4 and 5, the sole plate having the recess in its top surface, as at 8, to receive the fiber plate 9, which rests therein and is secured in place by some of the screws fastening the sole plate upon the club. This overcomes the necessity of recessing the bottom face of the wooden club head to receive the fiber plate, and it provides for the protection of the

fiber plate, which is inclosed by the metal sole plate and the smooth bottom face of the wooden club head.

In golf clubs having wooden heads it is desirable to have the median line of the head permanently marked to guide the stroke of the user. To this end I place on the top face of the club head a line of tacks extending transverse of the club head, which guides the user in striking the ball either in full or light strokes thereon. While I have referred more particularly to golf clubs having wooden heads, it is apparent that the invention is equally applicable to heads formed of other light material such for instance as aluminum, where the head would need the addition of further weight to make it effective.

What I claim is:

1. A golf club having a wooden head and a metal sole plate, said sole plate being provided with pockets adapted to be filled with metal plugs for varying the weight of the head.
2. A golf club having a wooden head and having a sole plate, said sole plate being provided with a row of pockets adapted to

receive plugs for varying the weight of the head.

3. A golf club having a wooden head and having a metal base plate provided with an upwardly extending lug, said lug having pockets to receive the plugs for varying the weight of the head.

4. A golf club having a wooden head and a metal base plate having a portion of the same of uniform thickness and another portion of the same of increased thickness, said base plate having in both these portions thereof a row of pockets to receive weights for varying the weight of the head.

5. A golf club having a wooden head and a metal base plate secured to the under face thereof and having a recess extending along the striking face of the club and the filling of fiber fitting in said recess and inclosed between the wooden head and the base plate.

In testimony whereof, I, the said WILLIAM ROBERTSON, have hereunto set my hand.

WILLIAM ROBERTSON.

Witnesses:

J. G. GLENN,
M. J. LYNCH.