

F. E. RIGDEN.
GOLF CLUB.
APPLICATION FILED MAY 27, 1908.

942,353.

Patented Dec. 7, 1909.

Fig. 1.

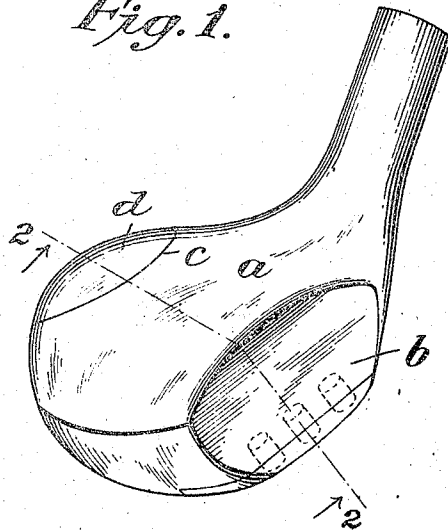
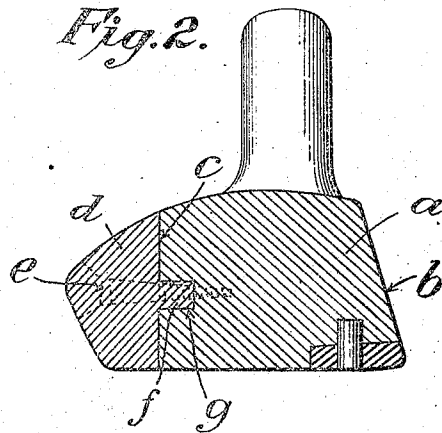


Fig. 2.



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UNITED STATES PATENT OFFICE.

FREDERICK E. RIGDEN, OF CHICOPEE, MASSACHUSETTS, ASSIGNOR TO A. G. SPALDING & BROS., OF JERSEY CITY, NEW JERSEY, A CORPORATION OF NEW JERSEY.

GOLF-CLUB.

942,353.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FREDERICK E. RIGDEN, a subject of the King of England, residing in Chicopee, in the State of Massachusetts, have invented certain new and useful Improvements in Golf-Clubs, of which the following is a specification, reference being had to the accompanying drawing, forming a part hereof.

The object of this invention is to increase the driving power of the golf club and this result is attained by concentrating, as far as possible, the added weight of the head directly in line, both in a vertical plane and in a horizontal, with the center of the ball.

In carrying out this invention the rear side of the head of the golf club is recessed somewhat deeply and in such recess is fitted a brass weight which is not only convex on its inner surface to fit the recess but is also convex on its outer surface so that, being placed directly in rear of the striking point of the face of the head, the center of gravity of such weight is directly in line with such striking point and therefore with the center of the ball and, moreover, the weight is concentrated as closely as possible about such line. The brass weight is not only fitted snugly in its seat and provided with holding screws but it is also provided with a lug or projection which enters a seat in the wooden body of the head and prevents the brass weight from creeping while also helping to take the strain off of the screws.

The invention will be more fully explained hereinafter with reference to the accompanying drawing in which it is illustrated and in which—

Figure 1 is a view in perspective of a golf club head which embodies the invention, and Fig. 2 is a view of the same in section on the plane indicated by the line 2—2 of Fig. 1.

The head *a* of the golf club to which the invention is applied may be of any usual or suitable shape and is provided with a striking face *b*. In the rear side of the body *a* of the wooden head is formed a recess, indicated by the line *c*, concaved upon a relatively short radius and in such recess is fitted

snugly a brass weight *d*, which is also concaved on its rear face to continue the line of curvature of the head. This brass weight *d* is located, as shown in the drawing, directly in line with the striking face of the head and with its center of gravity substantially in line, both in a vertical plane and in a horizontal plane, with the striking point of the face *b* and therefore with the center of the ball. Furthermore, by using a hard metal of high specific gravity, such as brass, the added weight is closely concentrated about the line of impact so that such weight is applied to the best advantage and imparts to the club the highest possible driving power. The brass weight is secured to the head by one or more screws, one of which is indicated by dotted lines at *e* in Fig. 2, and in order to take the strain off of such screws and to prevent the brass weight from creeping, the weight is provided with a lug or projection *f* which enters a corresponding recess *g* in the body of the head.

With this improved club a great distance on the drive can be secured and the metal weight will always remain exactly in position, so that accuracy in driving is not affected by accidental shifting of the weight with respect to the body of the head.

I claim as my invention:

In a golf club, a head comprising a wooden body portion having a concave recess formed in its rear face and extending vertically throughout the thickness of said head; a weight seated in said recess and extending vertically throughout the thickness of said head, whereby the surfaces of said head and weight are continuous and the weight serves also to protect the head from wear, the center of gravity of said weight being in line with the striking point on the forward face of the head; and means for securing said weight in position within said recess.

This specification signed and witnessed this 25th day of May, A. D., 1908.

FREDERICK E. RIGDEN.

Signed in the presence of—

ALEXANDER W. McCauley
CLARENCE H. ARGHER.