

J. GOVAN.
GOLF CLUB.

APPLICATION FILED APR. 21, 1906.

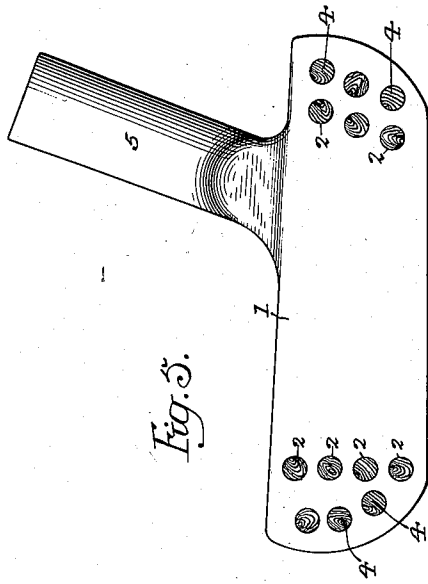


Fig. 5.

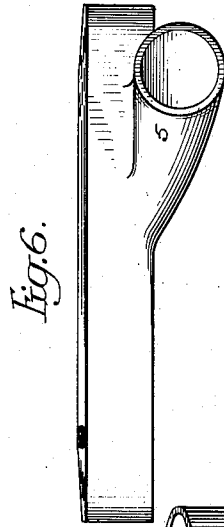


Fig. 6.

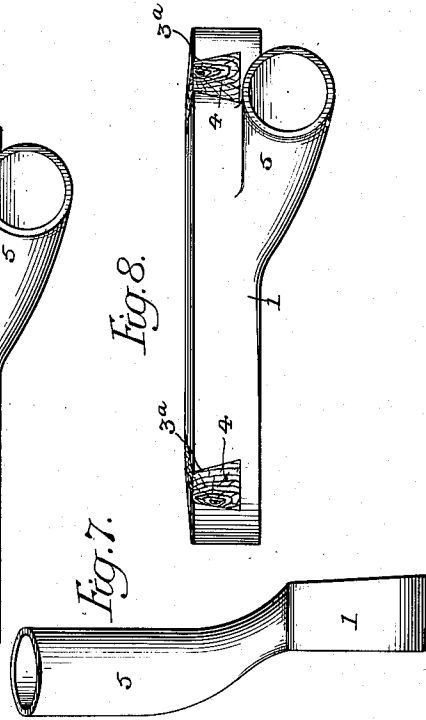


Fig. 7.

Fig. 8.

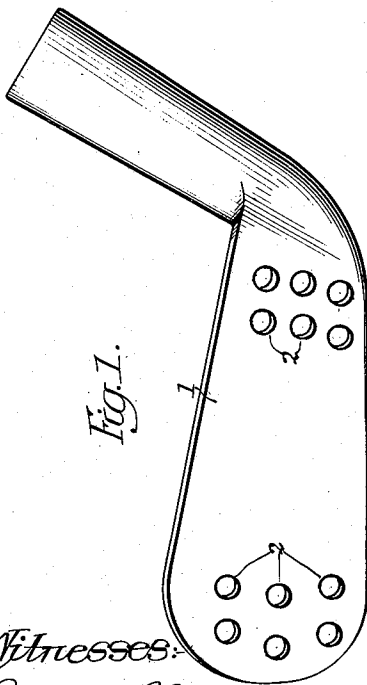


Fig. 1.

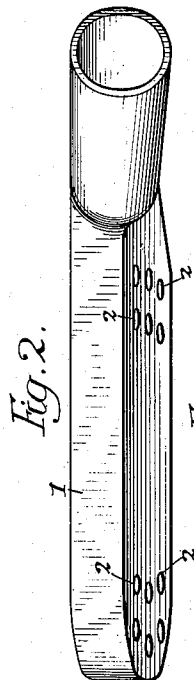


Fig. 2.

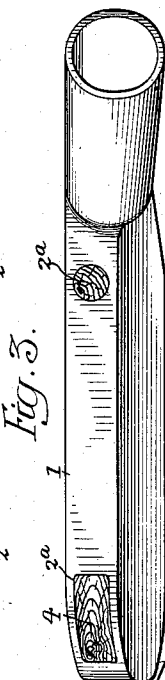


Fig. 3.

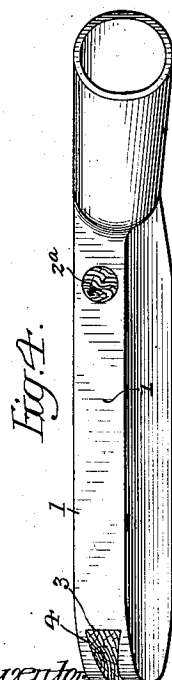


Fig. 4.

Witnesses:
Augustus Blapp
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UNITED STATES PATENT OFFICE.

JAMES GOVAN, OF ABINGTON, PENNSYLVANIA.

GOLF-CLUB.

No. 873,423.

Specification of Letters Patent.

Patented Dec. 10, 1907.

Application filed April 21, 1906. Serial No. 312,997.

To all whom it may concern:

Be it known that I, JAMES GOVAN, a subject of the King of Great Britain and Ireland, and a resident of Abington, Montgomery county, Pennsylvania, have invented certain Improvements in Golf-Clubs, of which the following is a specification.

My invention relates to golf clubs and the object of my invention is to impart better driving and putting qualities to the metal clubs.

My invention consists in so constructing the heads of such clubs as to dispose the greatest weight of metal at the point of impact with the ball.

A further object of my invention consists in offsetting the hose with respect to the face of the head and advancing said hose from the heel of the head.

My invention is fully shown in the accompanying drawing, in which:

Figure 1, is a view in elevation of a head made in accordance with my invention, the club shown being of the type familiarly known as a cleek; Fig. 2, is a plan view of the same; Figs. 3 and 4, are similar plan views illustrating modifications of this part of my invention; Fig. 5, is a view in elevation of a putter illustrating the offsetting of the hose with respect to the head; Fig. 6, is a plan view of the same; Fig. 7, is an end elevation, and Fig. 8, is a similar plan view illustrating a further modification of my invention.

Although I have shown in the drawing herewith views of clubs familiarly known as cleeks and putters, it will be understood that that part of my invention which relates to the disposition of the bulk of the metal at or near the center of the club or opposite the point of impact with the ball, may be applied to any of the metal clubs, such as mashies, lofters, jiggers, mid-irons or niblicks, as this feature of my invention is equally valuable with all of the different forms of clubs.

In carrying out my invention, the head is recessed or apertured at several places adjacent the heel and toe of the same, and while these recesses and apertures may be left open, they are preferably filled with a suitable material, such as a lighter metal, rubber, gutta-percha, or wood, which latter is indicated in the drawing. This arrangement provides a smooth unbroken surface

for the head and also prevents the apertures filling with dirt.

In the clubs shown in Figs. 1, 2, 5 and 6, apertures 2 are formed extending through the head in a line substantially parallel with the club sole, while in the club shown in Figs. 3, 4 and 8, the head is apertured at 2^a or recessed at 3 through its greatest width for the purpose of lightening the ends. In Fig. 4, the toe of the club is shown with an open recess 3, while in Fig. 8, the back of the club is recessed at 3^a adjacent both the toe and the heel. These apertures or recesses are shown with a filling 4 of wood in Figs. 3, 4, 5 and 8 although, as explained, other material may be employed. In all instances, however, the object of my invention is to decrease the weight of metal at the toe and heel of the head and thereby dispose the bulk of the metal at or near the center of the club for impact with the ball.

The club shown in Figs. 5 to 8, inclusive, is familiarly known as a putter, and the striking face of the same is preferably perpendicular or substantially so. It has a goose neck hose 5 connected thereto, but differing from the usual goose neck, it is advanced from the heel of the club and carried at a point intermediate the heel and toe of the same; being further offset with respect to the face of the club. With such construction the user has a better control of the ball, inasmuch as a line extending from the shaft through the hose and head comes very close to the center of the face. When a club of this character has combined with it the feature of lightening the heel and toe whereby the bulk of the metal is disposed at or near the center of the head, greater efficiency in the art of putting can be acquired.

I claim:

1. A golf club having the ends of its head apertured or recessed to lighten the same whereby the bulk of the weight is disposed at or near the center of the head.

2. A golf club having the ends of its head apertured or recessed to lighten the same whereby the bulk of the weight is disposed at or near the center of the head, and filling material for said apertures or recesses.

3. A golf club head having a solid central portion, and apertured transversely at its heel and toe.

4. A golf club head having a solid central

portion, apertured transversely at its heel and toe, in combination with material for filling said apertures, said filling material lying flush with the face of the club and preventing
5 the reception of dirt.

5. A golf club having its nose advanced from the heel of the head and offset forwardly with respect to its striking face, said club being apertured or recessed at its heel
10 and toe to lighten the same, whereby the

bulk of the weight is disposed at or near the center of the head.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

JAMES GOVAN.

Witnesses:

DAVID CUTHBERT,
JOSEPH G. TRANK.