

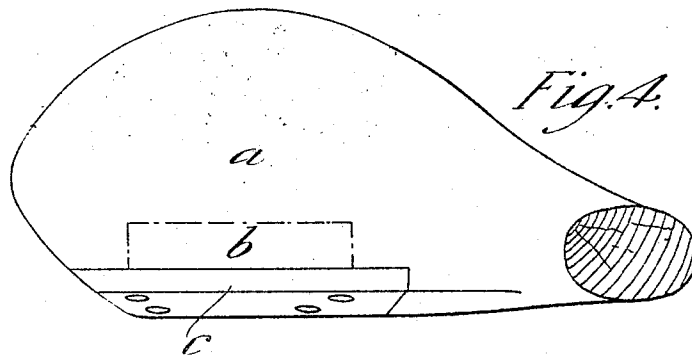
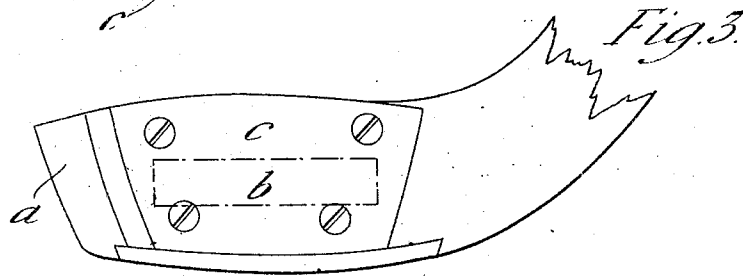
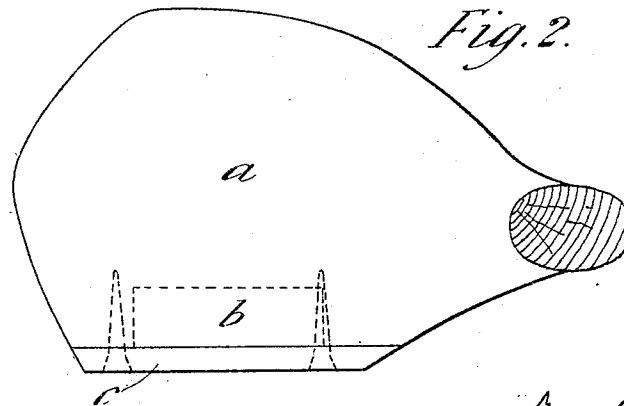
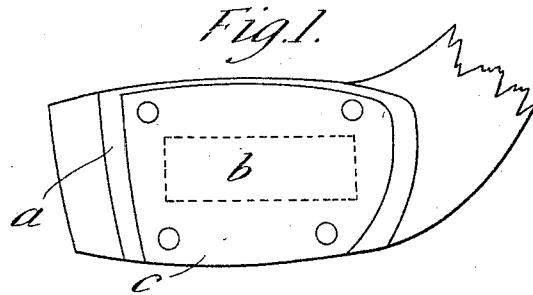
No. 863,728.

PATENTED AUG. 20, 1907.

G. LEGH.
GOLF CLUB.

APPLICATION FILED SEPT. 20, 1906.

3 SHEETS—SHEET 1.



WITNESSES

Arthur Keller
C. E. Eggers.

INVENTOR

Gilbert Legh
by James K. Bakewell
his attorney

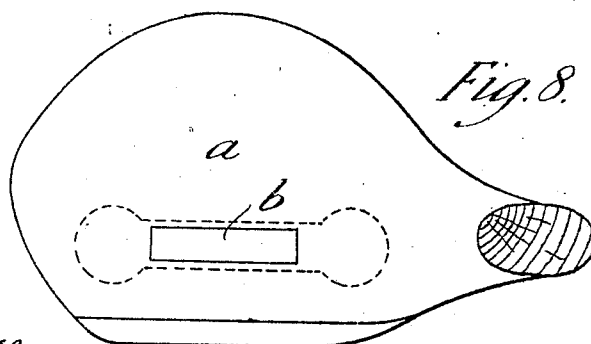
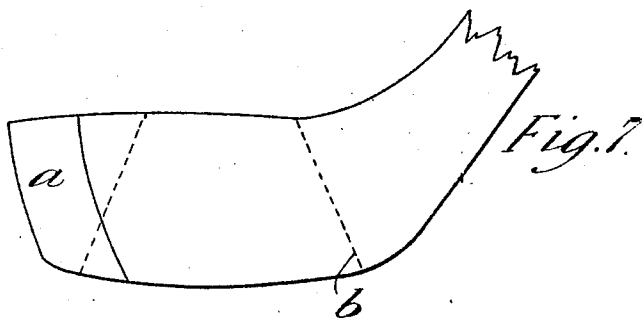
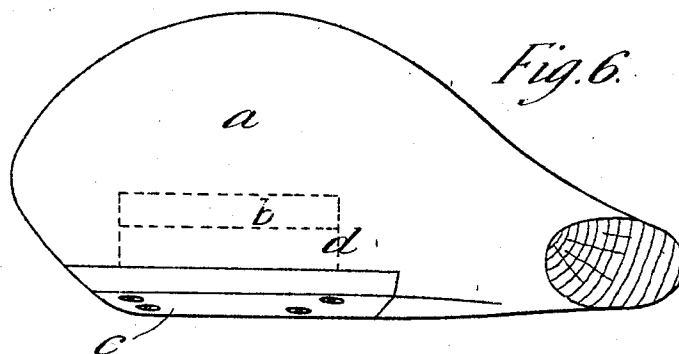
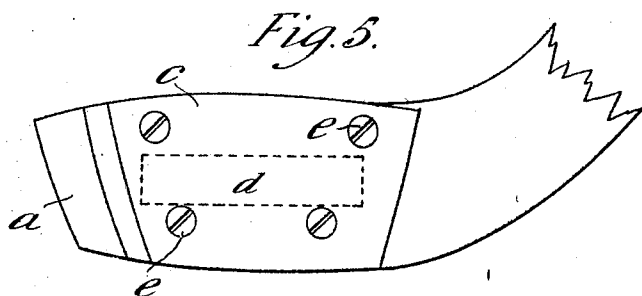
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3 SHEETS—SHEET 2.



WITNESSES

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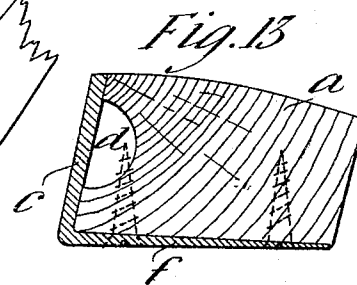
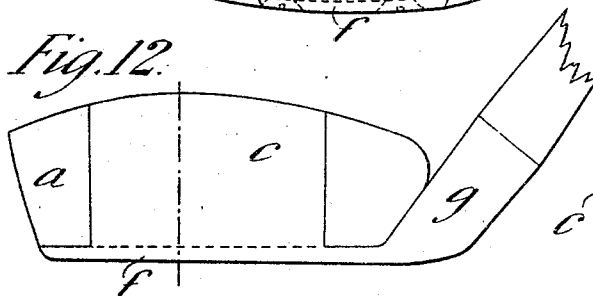
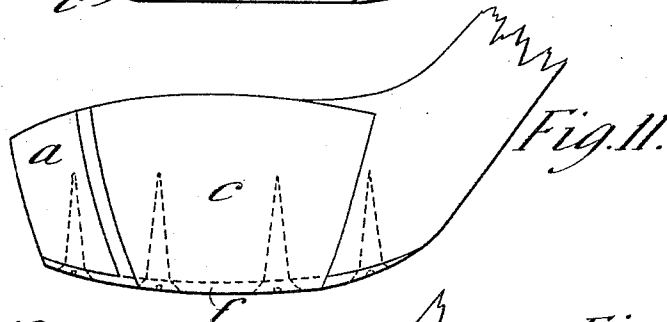
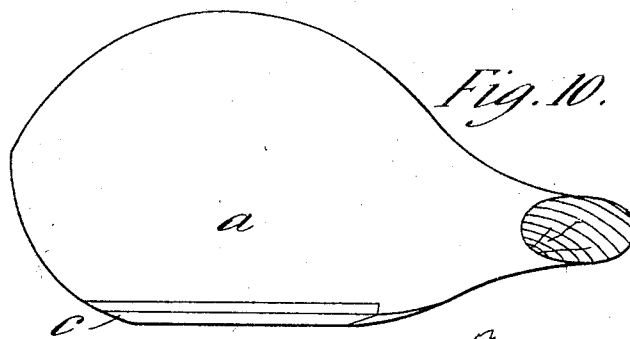
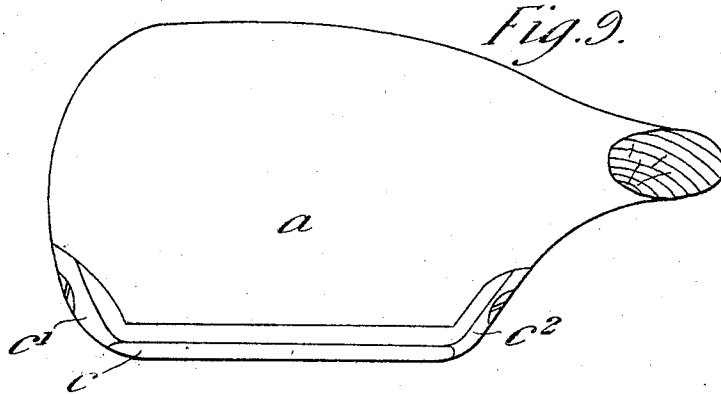
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3 SHEETS—SHEET 3.



WITNESSES
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UNITED STATES PATENT OFFICE.

GILBERT LEGH, OF KINGS LYNN, ENGLAND.

GOLF-CLUB.

No. 863,728.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed September 20, 1906. Serial No. 335,341.

To all whom it may concern:

Be it known that I, GILBERT LEGH, a subject of the King of Great Britain, residing at The Drove House, Thornham, Kings Lynn, in the county of Norfolk, England, have invented certain new and useful Improvements in Golf-Clubs, of which the following is a specification.

Hitherto wooden and aluminium golf clubs have been weighted, so as to increase their driving power, by inserting lead in the hollowed rear part of the club head.

According to the present invention such club heads are weighted so as to bring their center of inertia close up to the driving face, or at any rate to a position intermediate between that face and the center of the club head or line of attachment of the shaft; and further, the weighting material may be of such a character and so shaped and disposed that the wooden or aluminium club head may in some cases be dispensed with altogether without detrimentally affecting the qualities of such clubs as compared with wooden or aluminium headed clubs, or such wood or other material may be retained in suitable form for deadening the sound of impact or adding to the appearance of the club.

The weighting of the improved golf clubs is effected by disposing practically the whole of the weighting material in front of the axis or line of attachment of the shaft, whether the weighting material consists of added lead introduced into a hollow in the forward portion of the club head, or of a heavy steel face plate with or without a steel sole, or of the combination of a metal face plate with added lead weighting in the club head, these various methods of bringing forward the center of inertia of the club head having their own particular advantages with different kinds of clubs, such as drivers, wooden or aluminium headed driving irons, putters, and so forth.

When the weighting is effected by means of a heavy steel face plate with or without a steel sole or added lead, a considerable proportion of the face of the club head covered by the steel face plate is hollowed out, and the hollow may be filled with india-rubber or other resilient medium, such resilient medium being interposed directly between the face plate and the added lead weighting when the latter is used.

The invention is illustrated in the accompanying drawings which show various approved forms of the improved golf club.

Figures 1 and 2 show a front elevation and a plan respectively of a play club or brassey having a wooden head *a* which is hollowed out and weighted with lead in the portion marked *b* immediately in rear of the face plate *c* which may be of leather, brass, or other usual material. Figs. 3 and 4 are similar views of a cleik or driving iron having a wooden head *a*, a heavy steel face

plate *c* and lead weighting *b* immediately in rear of the plate *c*. Figs. 5 and 6 are similar views of a cleik in which a hollow *d* is left immediately in rear of the heavy steel face plate *c*, this hollow having vertical dimensions which may be equal to or less than those of the lead weighting *b*. The hollow *d* may be filled with india-rubber or other plastic material. Figs. 7 and 8 are similar views of a club which may be weighted partly by a steel face plate but principally by lead weighting *b* filled into a wedge-shaped hole in line with the shaft. In these cases the face plate *c* may be secured to the club head by any suitable means, such as the screws *e* which are countersunk into the face plate. Fig. 9 is a plan view of a putter having a wooden head *a* and a heavy steel face plate *f* which constitutes the sole weighting material. The head is hollowed out immediately in rear of the face plate as shown, and the face plate is secured to the head by lapping its ends *c'* round the toe and heel of the club and securing it thereto by studs or screws passing through these parts. Figs. 10, 11 are respectively a plan view and a front elevation of a club head in which the weighting consists of a heavy steel face plate *c* and a broad steel sole *f* which is preferably made integral with the face plate and diminishes in thickness towards the rear of the club head so as to keep the weight of the sole as far forward as possible. In this construction the shaft is secured to the wooden head in the usual manner. Figs. 12, 13 show respectively a front elevation and a transverse section of a further modification of the club shown in Figs. 10, 11, according to which the weighting is effected in the same manner by means of a heavy steel face plate *c* and sole *f*, and in this case the face plate and sole are made integral with a metal socket *g* in which the shaft is secured. This club may have a wooden head *a* hollowed out immediately in rear of the face plate as at *d*, or the wood may be entirely dispensed with, or only used in such form as may improve the appearance of the club head or diminish the sound of impact.

It will be understood that although the material herein specified for the heavy face plate and sole is steel, wrought iron may be substituted therefor or any other suitable hard metal or alloy, such for example as nickel-steel, and the term steel hereinafter used in the claims must be interpreted as including those or equivalent metals or alloys. Also in many cases, aluminium may replace wood in the construction of the improved club heads.

Having thus described the nature of my said invention and the best means I know of carrying the same into practical effect, I claim:—

1. In golf clubs, a club head weighted by lead inserted in the wood in line with the shaft, and by a steel plate on the striking face, the lead constituting the principal weight, substantially as described.

2. In golf clubs, a wooden club head having a hollow in its face containing an oblong lead extending substantially the length of the playing face and a heavy steel face plate bearing against said lead, substantially as described.
- 5 3. In golf clubs, a club head having a heavy steel face plate and a steel sole integral therewith and diminishing in thickness from said plate to the opposite side, substantially as described.
- 10 4. In golf clubs, a club head having a heavy steel face plate and a steel sole integral therewith, said sole being of diminishing thickness towards its rear edge, substantially as described.
- 15 5. In golf clubs, a club head having formed in one piece, a socket, a heavy steel face plate, and a steel sole, said sole diminishing in thickness from said plate to the opposite side, substantially as described.

6. In golf clubs, a wooden club head having a heavy steel face plate, said face plate being lapped around the heel and toe of said wooden head and being secured to the head at the heel and toe, substantially as described. 20

7. In golf clubs, a club having a steel face plate, sole, and socket formed in one piece, said face plate being attached to the sole only along its lower edge and extending upwardly therefrom clear of the socket, substantially as described. 25

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

GILBERT LEGH.

Witnesses:

JOSEPH WILLARD,
WALTER J. SKERTEN.