

No. 632,885.

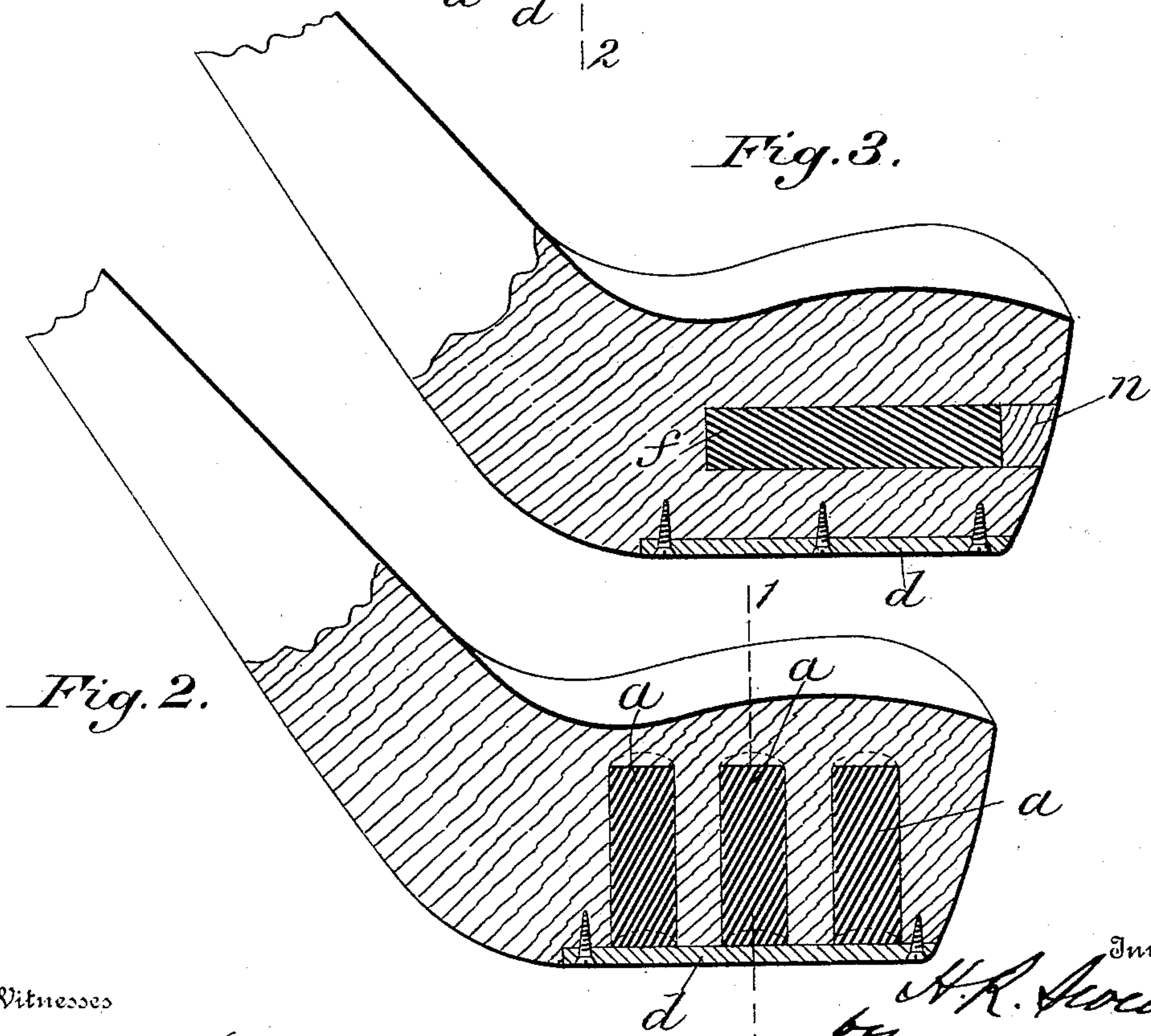
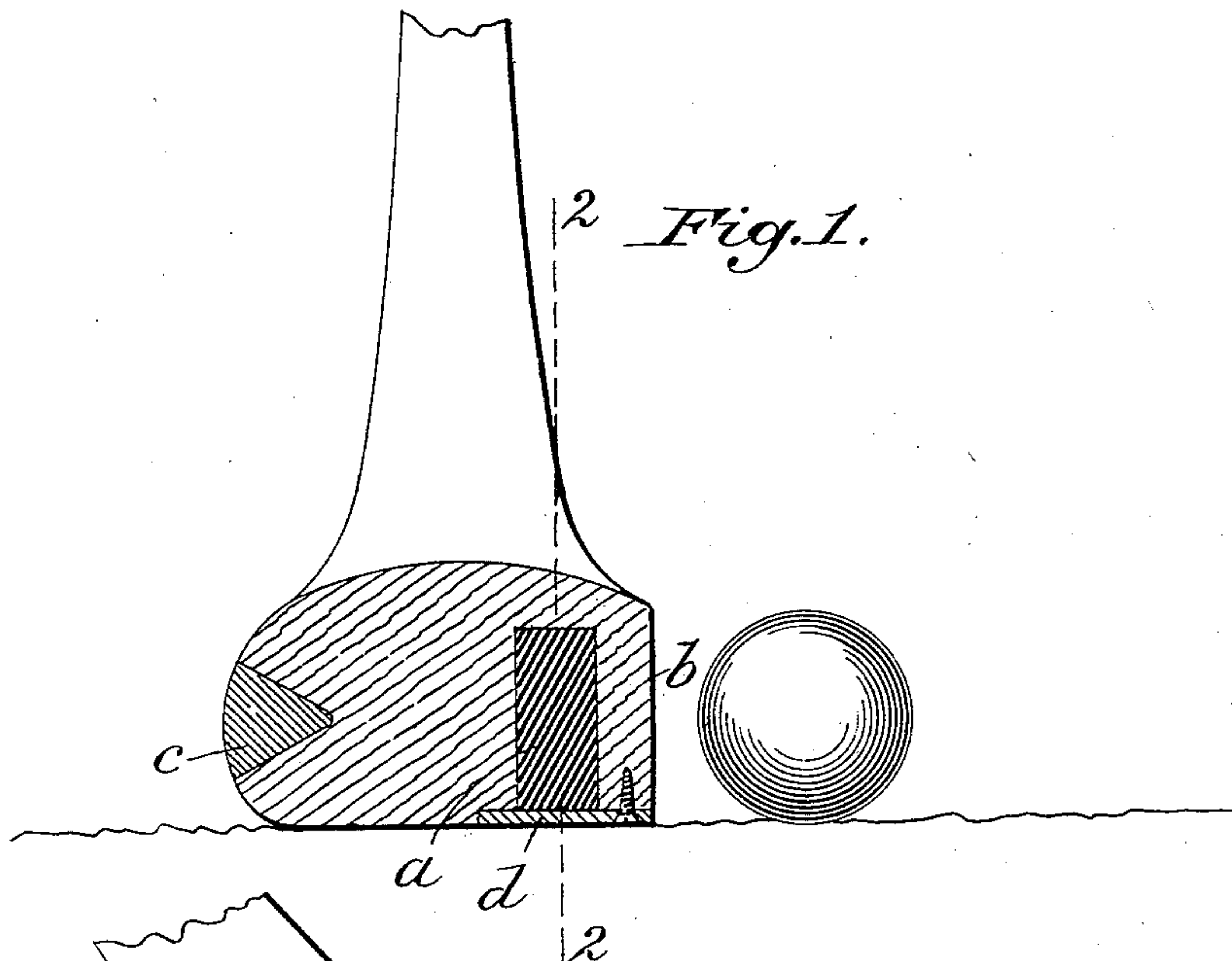
Patented Sept. 12, 1899.

H. R. SWENY.

GOLF CLUB.

(Application filed Aug. 18, 1898.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY R. SWENY, OF ALBANY, NEW YORK.

GOLF-CLUB.

SPECIFICATION forming part of Letters Patent No. 632,885, dated September 12, 1899.

Application filed August 18, 1898. Serial No. 688,880. (No model.)

To all whom it may concern:

Be it known that I, HARRY R. SWENY, a citizen of the United States, residing at Albany, county of Albany, State of New York, have invented certain new and useful Improvements in Golf-Clubs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain new and useful improvements in golf-clubs, and particularly to providing the head portion thereof with a resilient confined cushion (preferably of india-rubber) interposed between the ball impact or striking surface of the head and the usual heel-weight, as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 represents a cross-sectional view of a golf-club, illustrating one form or modification of my invention on a plane indicated by the line 1 1 of Fig. 2. Fig. 2 represents a section on a plane indicated by the line 2 2 of Fig. 1. Fig. 3 represents a like view of another form or modification of the invention.

Similar letters of reference indicate similar parts throughout the several views.

Referring to the form illustrated in Figs. 1 and 2, *a* indicates the resilient cushion, consisting conveniently of elastic india-rubber cylinders or prisms inserted in the head immediately in the rear of the ball-impact surface *b* and between said surface and the customary heel-weight *c*. The head itself, which may be of wood, metal, or any other suitable material, may be bored out for the reception of the india-rubber pieces, which may thereupon be held in place by the wear-plate *d*, removably secured in place by means of screws or the like, as shown.

In the form shown in Fig. 3 the india-rubber *f* is inserted horizontally within the head instead of vertically, but otherwise occupies the same intermediate position between the ball-impact surface and the weight and may conveniently be held in place by a plug *n*.

The main characteristic feature of the invention, whatever be the particular means adopted for inserting and retaining in place the resilient cushion, is to locate it in such an intermediate relationship to the ball-impact surface and the heel-weight that it will react between the two to the great advantage of the stroke—first momentarily yielding as the ball is struck and instantly thereafter reacting within the head by reason of its own resiliency and the inertia of the weight, so as to impart to the head as a whole remarkable and unexpected liveliness and driving power, yet without necessitating any change in its form or external appearance from that accepted as standard by players and in the trade.

Having thus described my invention, what I claim is—

1. A golf-club the head of which is formed of wood or like yielding material and is provided with a striking-face, a weight secured to said head opposite the striking-face and a cushion of resilient material interposed between said weight and striking-face.

2. A golf-club the head of which is formed of wood or like yielding material, having a rear and a striking face, the former carrying a weight, a recess formed in said head between said two faces, and a cushion of resilient material secured in said recess between the rear and striking faces.

3. A golf-club the head of which is formed of wood or like yielding material and being provided with a weight, a series of resilient cushions interposed between the weight and front face of the head, said resilient cushions being spaced apart and separated by the material of the head.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY R. SWENY.

Witnesses:

ALBERT HESSBERG,
H. A. REBHAM.