

May 15, 1928.

G. E. NEUBERTH

1,669,836

GOLF CLUB

Filed Sept. 1, 1927

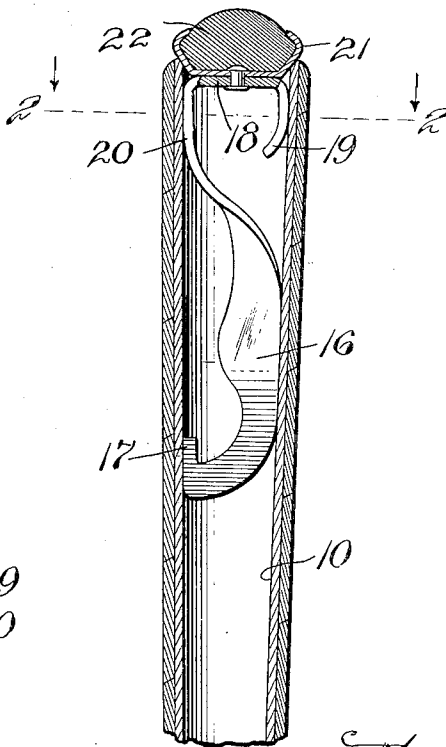


Fig. 1

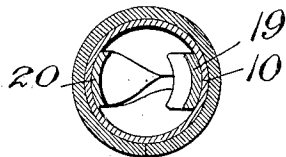
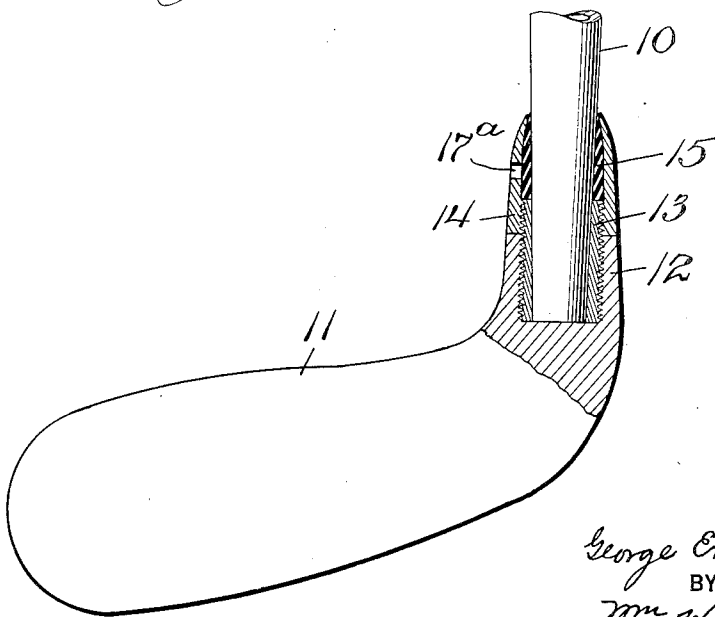


Fig. 2



INVENTOR
George E. Neubert.
BY
Wm. H. Campfield.
ATTORNEY.

Patented May 15, 1928.

1,669,836

UNITED STATES PATENT OFFICE.

GEORGE E. NEUBERTH, OF NEWARK, NEW JERSEY.

GOLF CLUB.

Application filed September 1, 1927. Serial No. 216,806.

This invention relates to an improved golf club which provides a detachable head or series of heads for the shaft whereby the same shaft can be used for various heads.

5 The invention also relates to a club in which the connection between the shaft and the head is constructed so that the shaft when of hollow metal, as steel, is protected from excess shock at the impact of hitting
10 the ball. This protection is in the form of a cushion, as a rubber ring, which embraces the shaft at the place where the top of the head or rather the shank of the head engages the shaft.

15 The invention also relates to the locking of the club head in position on the shaft and the storing of the tool for locking and unlocking the head in the top of the shaft.

20 The invention is also directed to certain details of construction which will be hereinafter more fully described and included in the claims.

25 The invention is illustrated in the accompanying drawings in which Figure 1 is a section of a golf club made according to my invention, the shaft of the club being broken away between its two ends. Figure 2 is a section on line 2—2 in Figure 1.

30 In the drawing the shaft is illustrated at 10, the type shown being of the usual hollow steel type and the club head is shown at 11 with a shank 12 for attaching it to a shaft. The shaft is provided with a ferrule 13 which ferrule fits tightly on the shaft and is secured thereto usually by hard soldering.
35 The shank 12 of the club head is provided with a screw-threaded recess and is screwed on the ferrule.

40 On the ferrule is a lock nut 14, this lock nut being elongated and on one end is screw-threaded on the inside to engage the screw-thread of the ferrule and also extends for a short distance on the outside of the shaft.

45 The lock nut is spaced from the shaft and is provided on the inside with a cushion, usually a ring of rubber, which is shown at 15 and which acts as a cushion when a stroke is made with the club so that the thin metal of the shaft is cushioned to an extent to
50 protect it from breaking.

55 When a shaft is to be secured to the club head it is screwed into the club head up to the lock nut 14 and then by a sharp partial turn of the lock nut the club head is secured against turning and is tightly fastened on the shaft.

In the clubs used by right-hand players it is a left hand thread so that when the club head strikes a ball the force of the blow tends to tighten the club head each time
60 which is a further safe-guard against its becoming loose. In the case of clubs for left-hand players the thread, of course, would be a right-hand thread for the same purpose.

65 To tighten the lock nut properly a key is provided which in the form shown comprises a spanner wrench 16, the end 17 of which fits in the hole 17^a in the lock nut. The spanner wrench can be made to fit in the
70 upper end of the shaft and can be held therein by friction. The top end 18 of the wrench may have a spring lip 19 to co-operate with the part 20 of the wrench to frictionally engage the sides of the inside of
75 the upper end of the shaft. A button 21 can be secured to the end of the wrench to limit the movement thereof into the shaft and for the proper finish can have a filling
80 22 of leather or the like to give a proper finish to the top of the club.

It will be evident that the details of construction can be changed without departing from the scope of the invention.

I claim:—

85 1. A golf club comprising a shaft, a screw-threaded ferrule secured on the end of the shaft, a club head with a screw-threaded recess to receive the ferrule, and a lock nut on the ferrule above to engage the end of
90 the club head and to extend over part of the shaft.

95 2. A golf club comprising a shaft, a screw-threaded ferrule secured on the end of the shaft, a club head with a screw-threaded recess to receive the ferrule, and a lock nut on the ferrule above to engage the end of the club head and to extend over part of the shaft and a lining of rubber in the nut where it surrounds the shaft.
100

3. A golf club comprising a thin hollow metal shaft and a head in screw-threaded engagement therewith and an elastic cushion interposed in the connection to ease the strain on the shaft where it enters the head
105 when a stroke is made with the club.

4. A golf club comprising a shaft, and a set of heads interchangeable with the shaft, a lock nut to secure the parts in locked engagement, and a key for operating the nut,
110 the key fitting into the upper end of the shaft when not in use.

5. A golf club comprising a shaft and a head, means for detachably securing them together, a key for operating the securing means, said key fitting in a recess in the end
5 of the shaft and having a button for closing the end of said recess. 15

6. A golf club comprising a hollow shaft, a ferrule secured on the end of the shaft, a club head with a shank to screw on to the
10 ferrule, a lock nut on the ferrule above the

shank and having a cushion on the inside to embrace the shaft, the lock nut having an opening to receive a spanner wrench, and a spanner wrench fitting into the top end of the shaft and having a button to limit the entrance of wrench into the shaft and to act as a closure for the shaft.

In testimony whereof I affix my signature.

GEORGE E. NEUBERTH.