H. P. DIXON.

GOLF CLUB.

APPLICATION FILED OCT. 22, 1914.

1,131,486. Patented Mar. 9, 1915.

Fig. 1,

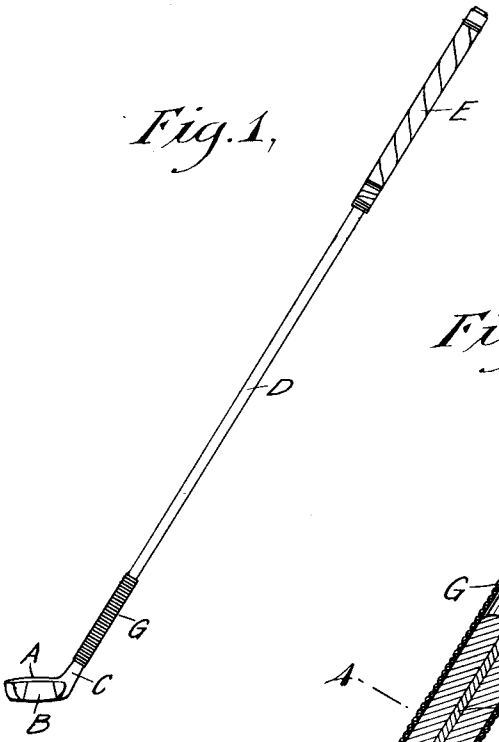
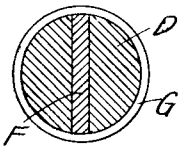


Fig. 2,

Fig. 3,

Fig. 4.



WITNESSES

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GOLF-CLUB.

1,131,486. Specification of Letters Patent. Patented Mar. 9, 1915.

Application filed October 22, 1914. Serial No. 868,040.

To all whom it may concern:

Be it known that I, HENRY P. DIXON, a citizen of the United States, and a resident of Wallingford, in the county of Delaware and State of Pennsylvania, have invented a new and Improved Golf-Club, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved golf club arranged to provide the desired rigidity in a portion of the stick or shaft adjacent the head with a view to cause the shaft to flex near its middle to enable the player to drive the ball accurately with full force in the desired direction and to prevent the head from becoming accidentally detached when using the club.

In order to accomplish the desired result, use is made of a reinforcing member, preferably in the form of a strip of steel inserted transversely in the lower end of the stick to stiffen this portion and to locate the flexing point of the shaft approximately midway between the handle and the head of the golf club.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a reduced side elevation of the golf club; Fig. 2 is an enlarged sectional side elevation of the lower portion of the golf club, part of the shaft being shown in elevation; Fig. 3 is a perspective views of the reinforcing and stiffening member; and Fig. 4 is a cross section of the shaft on the line 4—4 of Fig. 2.

The head A of the golf club is provided with the usual driving face B and with a neck C in which is secured the lower end of a shaft D provided at its upper end with a suitable handle E adapted to be taken hold of by the golfer when using the golf club. The lower portion of the shaft D is split in a transverse direction and into this split fits a reinforcing member F, preferably in the form of a flat piece of steel extending from one side of the shaft to the other side thereof, as plainly indicated in Fig. 4, the side edges of the reinforcing member being flush with the sides of the shaft D. In order to hold the reinforcing member F in position in the shaft D, use is made of a cord wrapping G wound around the lower portion of the shaft and around the side edges of the reinforcing member, the wrapping G extending at its lower end onto the upper portion of the neck C and the upper end of the wrapping G extending a short distance beyond the upper end of the reinforcing member F. By reference to Fig. 2 it will be noticed that the reinforcing member F terminates at its lower end a distance from the bottom end of the shaft D and hence the lower portion of the reinforcing member F is within the bore H extending through the neck C and the head A and in which bore H the lower end of the shaft D is fastened. By reference to Fig. 2 it will be noticed that the bore H is preferably tapering, that is, gradually decreasing toward the lower end and the shaft D is correspondingly shaped to fit the bore. The lower portion H′ of the bore H is somewhat enlarged and a wedge I is driven into the lower end of the split of the shaft D so as to spread the split members of the shaft D in the enlarged portion H′ of the bore H with a view to securely fasten the shaft in position in the bore H of the head A and the neck C. By reference to Fig. 2 it will be seen that the wedge I extends up to the lower end of the reinforcing member F so as to hold the latter against lengthwise movement in the shaft.

In practice, the reinforcing member F is extended about six or seven inches beyond the upper end of the neck C so as to stiffen the lower portion of the shaft D to prevent this lower portion from flexing when using the golf club. It will also be noticed that by providing the golf shaft D with the reinforcing member F the flexing point of the shaft D is located approximately midway between the lower end of the handle E and the head A. By this arrangement the golfer obtains the desired driving power and is enabled to accurately send the golf ball in the desired direction. It will also be noticed that by the arrangement described the shaft D is not liable to break off at the junction of the shaft with the neck C owing to the reinforcement by the member F and the wrapping G. It will further be noticed that by the use of the wedge I the shaft is securely fastened in position in the head A and its neck C and hence the head is not liable to fly off of the end of the shaft when using the golf club.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. A golf club provided with a reinforcing member in the lower end of the shaft to stiffen the lower end and to locate the flexing point of the shaft at a point approximately midway between the handle and the head of the club.

2. A golf club, comprising a head, a shaft attached to the head, and a reinforcing member inserted in the lower end of the shaft and extending from within the head upwardly a distance beyond the head to stiffen the lower portion of the shaft and to locate the flexing point of the shaft at a point approximately midway between the shaft handle and the head.

3. A golf club, comprising a head provided with a neck, the head and neck having a bore therethrough, a shaft, a handle at its upper end and having its lower end fastened in the said bore, the said shaft having a transverse split extending from the bottom of the shaft to a point a distance beyond the end of the neck, and a reinforcing strip fitting into the said split and fastened to the shaft.

4. A golf club, comprising a head provided with a neck, the head and neck having a bore therethrough, a shaft, a handle at its upper end and having its lower end fastened in the said bore, the said shaft having a transverse split extending from the bottom of the shaft to a point a distance beyond the end of the neck, a reinforcing strip fitting the said split, and a cord wrapping around the reinforced portion of the shaft and the reinforcing strip.

5. A golf club, comprising a head provided with a neck, the head and neck having a bore therethrough, a shaft, a handle at its upper end and having its lower end fastened in the said bore, the said shaft having a transverse split extending from the bottom of the shaft to a point a distance beyond the end of the neck, a reinforcing strip fitting the said split, and a cord wrapping around the reinforced portion of the shaft and the reinforcing strip, the wrapping extending at its lower end onto the said neck and extending at its upper end beyond the upper end of the said reinforcing strip.

6. A golf club, comprising a head provided with an integral neck, the head and neck having a bore therethrough, the lower end of the bore being enlarged, a shaft having its lower end inserted in the said bore, the shaft being enlarged at its lower end and having a longitudinal opening extending from its lower end a distance beyond the neck, a reinforcing strip in the opening of the shaft and having its lower end terminating short of the lower end of said shaft and a wedge driven into the lower end of the opening to spread the split members of the shaft in the enlarged portion of the bore and to hold the reinforcing strip from longitudinal movement.

7. A golf club having the lower portion of its shaft reinforced, the reinforce extending from the head to a short distance above the same, whereby the shaft in use will be caused to flex approximately at its middle.

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

HENRY P. DIXON.

Witnesses:
WM. H. FRICKER,
SARA J. BURNLEY.