Feb. 3. 1925. 1,525,148

G. B. PICKOP

GOLF IRON

Filed April 16, 1924

Fig. 2.

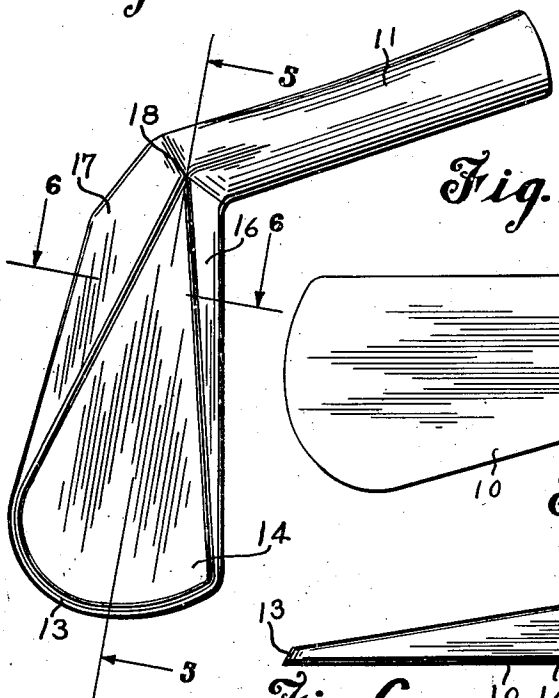


Fig. 1.

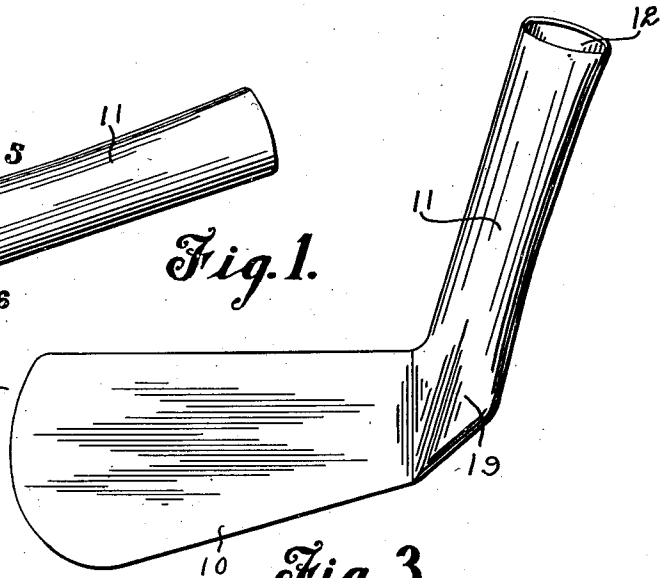


Fig. 3.

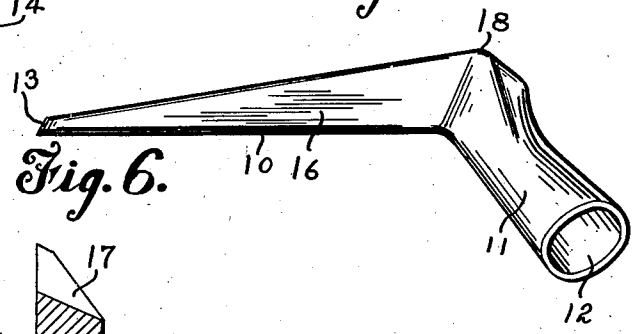


Fig. 6.

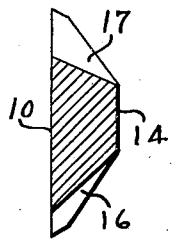


Fig. 5.

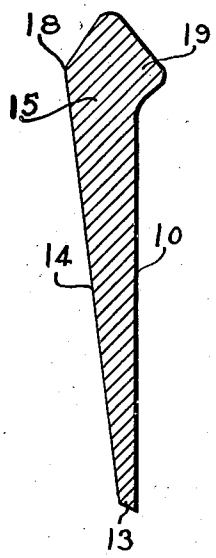
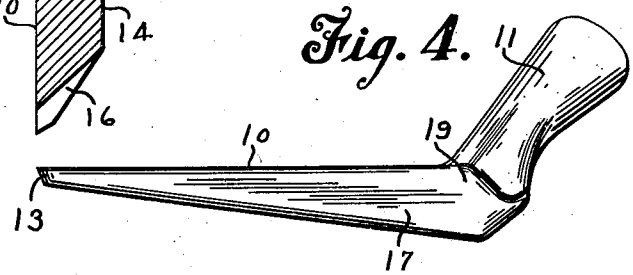


Fig. 4.



Inventor

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UNITED STATES PATENT OFFICE.

GEORGE B. PICKOP, OF NEW HAVEN, CONNECTICUT.

GOLF IRON.

Application filed April 16, 1924. Serial No. 706,926.

To all whom it may concern:

Be it known that I, GEORGE B. PICKOP, a citizen of the United States, residing in New Haven, county of New Haven, State of Connecticut, have invented certain new and useful Improvements in Golf Irons, of which the following is a full, clear, and exact description.

This invention relates to golf clubs and more particularly to that type commonly referred to as golf irons, and while shown in connection with a club which may be termed a mid-iron or driving-iron, it will be understood that the invention in many of its aspects is readily applicable to other types of clubs as well, such as putters for example.

The head of a golf club of the character shown usually extends entirely upon one side of the handle or shaft, and therefore the center of mass is considerably offset from the axis of the shaft. For this reason, it is difficult to swing such clubs truly and accurately as during the swing through the air the club tends to turn in the hands when the stroke is made.

One object of my invention is to overcome the disadvantage referred to above and to provide a golf club of suitable weight and to so distribute this weight that the tendency of the club to turn during the stroke will be reduced to a minimum.

Another object of my invention is to provide a golf club such that a greater accuracy in direction and increased distance in the flight of the ball may be obtained.

A still further object of the invention is to provide a golf club head in which there is a better distribution of weight than in clubs in use at the present time, so that the club may be swung more truly and better results obtained.

More particularly, I contemplate constructing the golf head in such a manner that the weight will be concentrated to a great extent in line with the shaft or handle at a point adjacent the heel of the club, the head tapering in thickness toward the toe so as to reduce, as far as possible, the weight at this point.

To these and other ends the invention consists in the novel features and combination of parts to be hereinafter described and claimed.

In the accompanying drawings:

Fig. 1 is a front elevational view of a golf iron embodying my improvements;

Fig. 2 is a rear elevational view of the same;

Fig. 3 is a top plan view;

Fig. 4 is a bottom plan view;

Fig. 5 is a longitudinal sectional view through the head of the club, on line 5—5 of Fig. 2, and,

Fig. 6 is a transverse section adjacent the heel of the club on line 6—6 of Fig. 2.

In the embodiment of my invention which I have selected to illustrate in the accompanying drawings, I have shown a golf club comprising a head provided with a relatively broad face 10, and a shaft 11, which is hollow at its end, as shown at 12, for the reception of the usual wooden handle. In the particular type of club shown in the drawing the shaft is arranged at an oblique angle to the longitudinal axis of the head, as is common in the case of driving-irons or mid-irons. It will, of course, be understood that if a club of another type is desired the angle at which the shaft is set relatively to the head may be varied to suit the circumstances under which the club is to be used. As clearly shown in Fig. 3, the edge of the club at the toe portion 13 is relative thin, the rear face 14 diverging relatively to the front face so that as shown in this figure and also in the sectional view shown in Fig. 5, the heel portion 15 of the club is relatively thick.

The rear face 14, as shown in Fig. 2, is substantially triangular in shape, the upper and lower edges of the club head being constituted by the beveled faces 16 and 17, which are also substantially triangular in shape and have their broad bases adjacent the heel of the club head. The rear face, therefore, tapers substantially to a point 18 adjacent the heel of the club and at this point, as will be seen from Fig. 5, the metal of the head is relatively thick so that the greatest weight is at this point.

The shaft 11 is joined to the club at the heel portion, and as shown at 19 in Fig. 5, also provides for an excess of metal at this point. It will be seen, therefore, that the head of the club is thickened at both the front and rear portions, adjacent the heel, the effect of which is to concentrate as

nearly as possible a considerable amount of the weight of the club at the heel portion in line with the axis of the shaft. The shaft is, in the club shown, formed integrally with the head and merges into the heel of the club in appropriate and graceful lines.

As usual in clubs of this character, the striking face is somewhat broadened toward the toe of the club so that it may be said roughly speaking, to resemble a trapezoid in shape. If it is desired to still further concentrate the weight of the club toward the heel, the rear face may be made of a shape somewhat similar to the front face instead of being triangular or tapered substantially to a point, as shown in the drawings.

While I have shown and described a preferred embodiment of my invention, it will be understood that it is not to be limited to all the details shown, but is capable of modification and variation within the spirit of the invention and within the scope of the appended claims.

What I claim is:

1. A metal golf club head provided with a flat striking face and having a thin toe portion and a relatively thick heel portion.

2. A metal golf club head and a shaft connected thereto, said head being relatively thick at its heel portion and relatively thin at its toe portion to provide for the concentration of the weight of the head in line with the axis of the shaft.

3. A metal golf club head and a shaft connected thereto, said head being relatively thick at its heel portion adjacent its junction with the shaft, and relatively thin at its toe portion.

4. A metal golf club head and a shaft connected thereto, said head provided with an excess of metal adjacent the heel of the shaft to increase its weight at this portion, and gradually decreasing in weight toward its toe portion.

5. A metal golf club head and a shaft connected thereto, said head being relatively thick at its heel portion adjacent its junction with the shaft and gradually descreasing in thickness toward its toe portion so as to provide a preponderance of weight adjacent the axis of the shaft.

6. A golf iron and a shaft formed integrally therewith, said iron formed of relatively great thickness adjacent the junction of the shaft and heel, and gradually diminishing in thickness toward the toe thereof for the purpose described.

7. A golf iron having a relatively flat front face and a rear face, the latter diverging from the front face from the toe toward the heel thereof so as to provide a preponderance of weight adjacent the heel of the club.

8. A golf club provided with a relatively flat front face and a rear face substantially triangular in shape and diverging from the front face toward the heel of the club, and upper and lower faces joining said front and rear faces and increasing in width toward the heel of the club.

9. A golf club provided with a relatively flat front face and a rear face substantially triangular in shape and diverging from the front face toward the heel of the club, and upper and lower faces joining said faces and increasing in width toward the heel of the club, said upper and lower faces also being substantially triangular in shape.

10. A golf club head provided with a preponderance of weight at the heel and gradually tapering in thickness toward the toe.

11. A golf club head of relatively great thickness at the heel portion and gradually tapering toward the toe so that the latter portion is relatively thin, so as to provide a preponderance of weight adjacent the heel portion of the head.

In witness whereof, I have hereunto set my hand this 11th day of April, 1924.

GEORGE B. PICKOP.