No. 670,522. Patented Mar. 26, 1901.

E. F. THOMPSON.

GOLF CLUB.

(No Model.) Application filed Mar. 9, 1900.

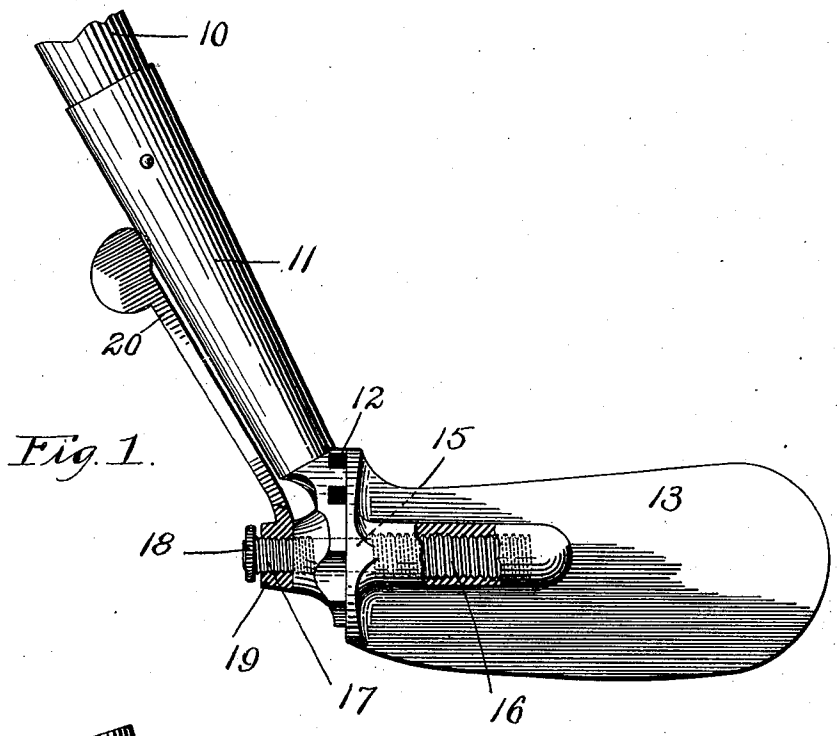


Fig. 1.

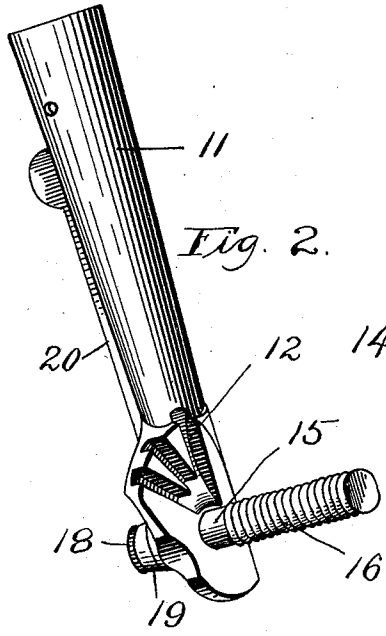
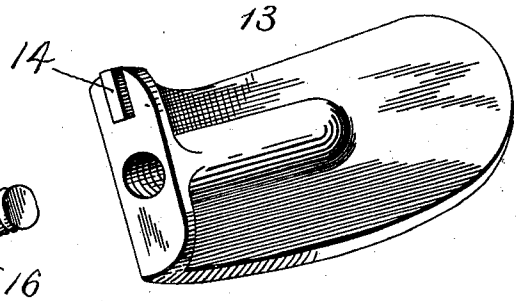


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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GOLF-CLUB.

SPECIFICATION forming part of Letters Patent No. 670,522, dated March 26, 1901.

Application filed March 9, 1900. Serial No. 7,978. (No model.)

To all whom it may concern:

Be it known that I, EBEN F. THOMPSON, a citizen of the United States, residing at Worcester, in the county of Worcester and State of Massachusetts, have invented a new and useful Golf-Club, of which the following is a specification.

The object of this invention is to provide a strong, simple, and inexpensive form of golf-stick which is constructed so that the blade or striking-face may be set at different relative angles with respect to the handle and the parts secured together with such absolute firmness or rigidity as to prevent all rattle or lost motion between the parts.

To these ends this invention consists of the golf-stick as an article of manufacture and of the combinations of parts therein, as hereinafter described, and more particularly pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a side view, partially broken away, of the main part of a golf-stick constructed according to this invention. Fig. 2 is a perspective view of the handle piece or shank of a golf-stick constructed according to this invention and of the parts carried thereby, and Fig. 3 is a perspective view of the adjustable blade of a golf-stick constructed according to this invention.

In playing golf it is customary for each player to use a considerable number of golf-sticks. These golf-sticks differ among themselves principally in respect to the angles at which the faces or driving-surfaces are set with respect to the handle—that is to say, a player desiring to make a stroke which will lift the ball high into the air will ordinarily employ a golf-stick having its driving-face set at a considerable angle to the handle thereof, while in approaching a hole when it is not desired to lift the ball into the air the player will use a golf-stick having its driving-face substantially in line with the handle. The several golf-sticks employed necessarily vary among themselves in weight and stiffness.

To avoid the expense of purchasing a considerable number of different golf-sticks and to avoid the labor of carrying the same around the course, it has heretofore been proposed to provide adjustable golf-sticks which may be adjusted to set their striking-faces at different angles to the handles. These adjustable golf-sticks have not, however, come into general use, and it has heretofore been impossible to secure an equal degree of rigidity between the handle and an adjustable head or blade as can be secured when these parts are formed integrally.

The especial object of my present invention is therefore to provide a clamping or setting mechanism for securing the adjustable blade or head piece of an adjustable golf-stick to its handle with substantially the same degree of rigidity as if these parts were formed integrally.

Referring to the accompanying drawings and in detail, a golf-stick constructed according to this invention, as therein illustrated, comprises a handle 10, which may be of the ordinary wooden type.

Fitting onto the end of the handle 10 is a handle-piece or shank 11. As shown most clearly in Fig. 2, the handle or shank 11 is provided in its face with recesses or depressions 12.

The adjustable blade or footpiece 13 of the golf-stick herein illustrated is provided on its face with a projection or lug 14 for engaging any one of the recesses 12. The recesses 12 are preferably open at their ends, so that when the parts are drawn together by the clamping mechanism, hereinafter described, the lug 14 will force any mud or dirt out of the slot or recess 12 into which the same is fitted. The clamping mechanism which I employ for securing these parts together comprises a screw extending loosely through the shank and which is threaded into the adjustable blade and is also threaded through a clamping-nut. The screw which I preferably employ has differential screw-threads—that is to say, the portion of the screw fitting into the adjustable blade is provided with screw-threads of one pitch or coarseness, while the screw-threads fitting into the clamping-nut have a different pitch or coarseness. The clamping-nut is preferably provided with an actuating-lever having a projection which snaps into a recess at the back of the shank.

As herein illustrated, the screw 15 extends loosely through the handle-piece or shank 11 and is provided with a head 18 at its rear end.

The forward part 16 of the screw 15, which is threaded into the blade 13, has screw-threads which are coarser than the screw-threads 17 of the screw 15, which are threaded into the clamping-nut 19. The clamping-nut 19 has an upwardly-extending arm 20, with a lug or projection at its upper end, which snaps into a recess in the handle-piece or shank 11.

By means of this construction I have provided a clamping device which may be set so that by turning the lever 20 to its upright position any desired degree of pressure may be exerted between the shank-piece and blade of the golf-stick. For example, suppose that when the blade is set to the desired angle it is found that the parts are not clamped together tightly enough to secure the desired rigidity. If this should be the case, the clamping-lever 20 is first turned from its locked position and the screw 15 is advanced or turned. When this has been done, the difference in pitch between the threaded sections 16 and 17 of the screw 15 will draw the parts together, so that when the clamping-lever 20 is again turned to its clamped or locked position it will exert a greater degree of pressure, and by thus varying the adjustment any desired degree of pressure may be secured and the parts may be clamped together as firmly or rigidly as desired, while at the same time the use of a clamping device of this construction will fully compensate for any looseness arising from long-continued use.

I am aware that numerous changes may be made in the details of construction of a golf-stick without departing from the scope of my invention as expressed in the claims. I do not wish, therefore, to be limited to the form of construction which I have herein shown and described; but

What I do claim, and desire to secure by Letters Patent of the United States, is—

1. As an article of manufacture, a golf-stick comprising a handle-piece or shank, an adjustable blade, a clamping-nut, and a differential screw having screw-threads of one pitch threaded into the blade, and screw-threads of a different pitch threaded into the clamping-nut, whereby the pressure exerted between the parts by turning the clamping-nut to its clamped position may be varied as desired, substantially as described.

2. As an article of manufacture, a golf-stick comprising a handle-piece or shank 11 having sockets or recesses 12, an adjustable blade having a lug or projection 14 for engaging the recesses 12, a clamping-nut having an operating handle or lever, and a screw 15 threaded both into the adjustable blade and the clamping-nut, that portion of the screw which is threaded into the adjustable blade having coarser threads than that portion thereof which is threaded into the clamping-nut, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EBEN F. THOMPSON.

Witnesses:
PHILIP W. SOUTHGATE,
LOUIS W. SOUTHGATE.