April 5, 1932. P. A. CZICHOS 1,852,956

GOLF ACCESSORY

Filed May 10, 1928

Fig.1.

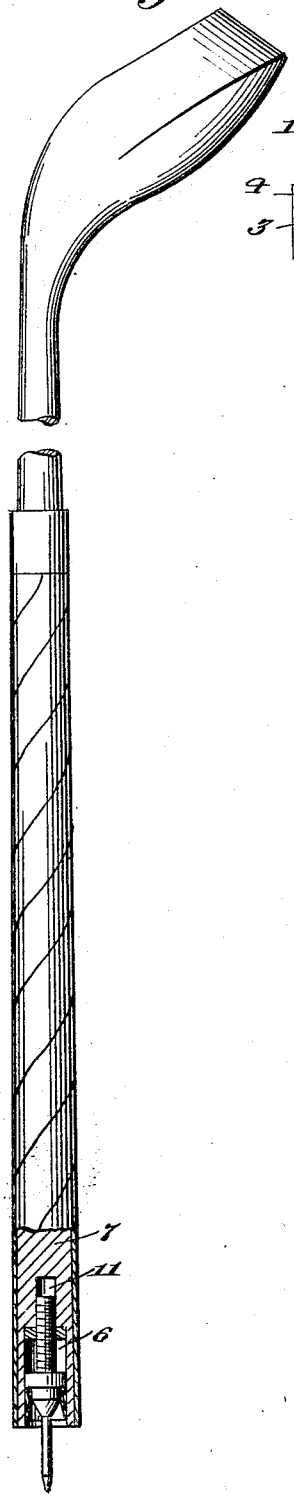


Fig.2.

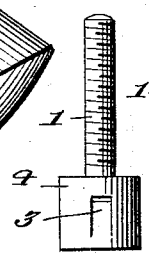


Fig.3.

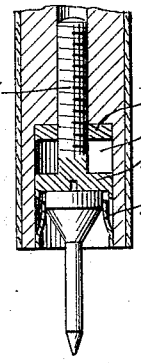


Fig.4.

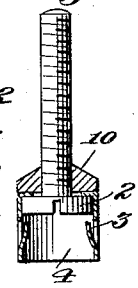


Fig.5.

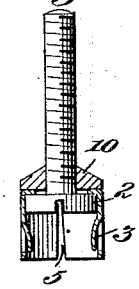


Fig.6.

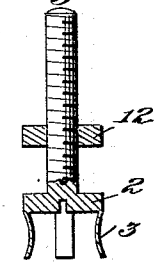


Fig.7.

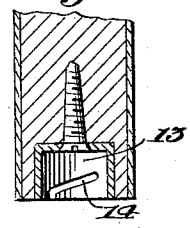


Fig.8.

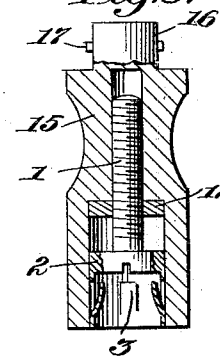


Fig.9.

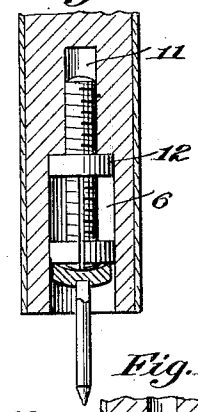


Fig.10.

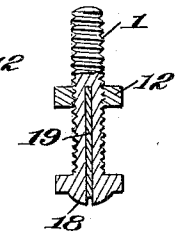
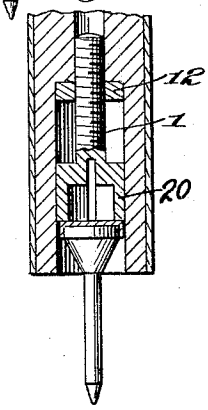


Fig.11.



Inventor:
Paul A. Czichos,

By Linden & Linden
Attys.

Patented Apr. 5, 1932 1,852,956

UNITED STATES PATENT OFFICE

PAUL A. CZICHOS, OF WASHINGTON, DISTRICT OF COLUMBIA

GOLF ACCESSORY

Application filed May 10, 1928. Serial No. 276,712.

This invention relates to golf accessories, the principal object being to provide a device for placing tees in proper position in the ground, the device being especially adapted for use in connection with the variety of artificial tees made of wood and composite materials, not in general use.

It is well known that in the use of tees to which this invention is adapted that it is necessary for the player to stoop and push the tee into the ground by hand, and that it is almost impossible to obtain a uniform height from time to time, inasmuch as conditions of the turf will vary and the tee is sometimes pushed farther into the ground than is necessary, or not far enough, with the result that a "topped shot", or an extremely high drive will result.

Accordingly, an object of this invention is to insure the tee being placed in position at the same elevation, regardless of the condition of the ground.

Still another object of this invention is to provide a device adapted to accommodate any style of tee now on the market, and specifically to accommodate the small type of wooden tee usually built in the form of a cone or a substantially concave headed wooden pin.

A further object of this invention is to provide a device which may be conveniently built into or attached to the grip of a golf club, or which may be built into a special shaft for the purpose and accordingly which may be carried in the bag with other clubs and be always available.

It is contemplated that a tee will be engaged by an inserted retainer in the end of the shaft and that the user will force the projecting point of the tee into the ground as far as permitted by the shaft end, as has been set forth in my prior Patent No. 1,634,652, dated July 5, 1927.

One major distinction in the present device over the device of my prior patent resides in the fact that the tee retaining member is attached to and movable with the adjusting stem or threaded member which projects from the tee retaining means, whereas in the patent the threaded member is movable relative to the tee engaging medium. This is advantageous in that the tee will always be engaged with the same tension in the present device, whereas in the patented device such tension will vary in accordance with the relative positions of the threaded member and the springs which engage the tee, inasmuch as the threaded member serves to position the tee.

A still further object of my invention is to provide a structure which will not mar the appearance of the club nor affect the balance thereof.

With the foregoing and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts, and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed may be made without departing from the scope of what is claimed.

In the drawings:—

Fig. 1 is a view of a golf club, partly in section, and illustrating the use of the invention.

Fig. 2 is an elevation of one form of the invention.

Fig. 3 is an enlarged section through one end of a club shaft showing the application of the invention thereto.

Fig. 4 is an elevation, partly in section, of a modified form of the invention.

Fig. 5 is an elevation, partly in section, of a different modification.

Fig. 6 is an elevation, partly in section, of another form.

Fig. 7 is a section through a club shaft showing a socket therein for receiving an extension, in which is embodied the invention.

Fig. 8 is a view partly in section of the extension into which the invention is built.

Fig. 9 is a sectional view of a shaft in which is shown a variation of the invention illustrated in Figs. 1 to 8.

Fig. 10 is a sectional view of the form of device shown in Fig. 9; and

Fig. 11 is a modification of the form shown

in Figs. 9 and 10, being illustrated partly in section.

Referring to the figures by reference numerals, it will be seen that in Figs. 1 to 7, the device comprises a screw threaded shank 1, having a head 2, and to which are attached springs 3, adapted in use to engage a tee.

These springs may be in the form of struck-up tongues in a cup or bushing 4, or, as shown in Fig. 6, may take the form of fingers projecting from the screw head 2.

The bushing may readily be circumferentially continuous, as illustrated in Figs. 2 and 3, but preferably, one or more slots 5 are provided in the bushing wall, as shown in Fig. 5, thereby to permit of a tight resilient engagement with a bore 6 in the end of a golf club shaft 7, in which the device is inserted, for use.

This bushing may readily be formed integral with the head 2, or it may be separately secured to said head, as shown in Fig. 4, and retained in place by means of a lock nut 10 which serves to clamp the bushing against the head 2.

It is obvious that the head 2 may be flat, to engage the rim of a tee, or may have a rounded form as shown in Fig. 9, well adapted to enter the central depression of the tee head.

It is also obvious that the springs 3 can be formed to extend from the head 2, as shown in Figs. 5 and 6, or may be reversed to extend towards the head.

In using the device, a club shaft 7, or for that matter, a special shaft for the purpose, is drilled at one end to provide a bore 6, and a central continuation 11, and the device inserted therein, with the stem 1 entering the bore extension 11. This bore continuation may be threaded, if desired, to engage the threads on stem 1, but preferably a washer 12 is utilized, this washer having a diameter to fit the bore portion 6, and a central, threaded opening to fit the stem 1. It will be seen that the washer 12 and stem 1 act to permit adjustment of the bushing 4 within the bore 6.

Figs. 7 and 8 illustrate a form of device which can be made up separately of the golf club. In this form, the shaft 7 will be provided with a small socket 13 in which is formed a bayonet slot 14. The tee holding device is built into a plug 15, which has a portion 16 provided with bayonet pins 17. The portion 16 is adapted for placement in socket 13, to be retained therein by means of the bayonet joint 14—17.

Figs. 9 to 11 picture a form of the invention which functions to the same result as the previously described forms, but in which magnetism is utilized, rather than springs as a tee retaining means. In this form, the head 18 of the screw 1, is magnetized, and the cup 4 with its springs 3, is not usd. The head 18, and a portion of the shank 1 are split, to provide magnetic poles, but if desired a small wedge 19 of copper or other suitable material may be placed between the split sections to keep them spaced and in constant engagement with the threads of the washer 12.

When using this type of device, a metal tee, or one having a metallized head is required. Reference is made to my copending application, Serial No. 276,713, filed May 10th, 1928, in which such a tee is described and claimed.

The screw head or magnet 20 of Fig. 11 is slightly different from that of Figs. 9 and 10, but functions exactly the same. Here, is disclosed a magnet in which the poles are permanently spaced, without use of a separating member. Obviously, any suitable form of magnet might be used, and except for the use of a magnetized head, the device is in all respects similar to the forms of Figs. 1 to 8 inclusive.

This invention then, comprises a simple, readily manufactured device which may be easily applied to a golf club or other suitable shaft, either by attaching same for substantial permanence directly to the shaft, or indirectly to the end thereof as an accessory which may be removed instantly and carried in the pocket.

Having assembled the device, or tee retainer as it may be called, on the shaft, its use will be obvious. The head of the screw will be adjusted in the bore to leave a space from the end of the shaft equal to the desired height of the tee to be positioned in the ground. The tee is then placed head foremost in the bore with its point projecting slightly beyond the shaft end, and retained in position by light frictional engagement of the springs, or by magnetism of the head, the head of the screw serving to limit inward movement.

To place the tee in the ground all that is necessary is to invert the golf club and then snap or press the point of the tee firmly into the ground, until the shaft touches the surface. The frictional engagement of the ground with the tee is sufficient to overcome the light retention of the tee head and accordingly upon removal of the club the tee remains in the ground at the desired height. The end of the shaft will, of course, serve as a stop to limit the depth to which the tee is forced.

A slight adjustment of the screw in the washer will obviously serve to vary the height of the tee.

It will be noted that the weight of the device inserted in the golf club is substantially equal to the wood removed by boring or drilling and consequently the "balance" of the club will be in nowise affected.

Inasmuch as this invention is capable of various modification and change, within the

scope of the invention, I do not care to be limited, except as in the appended claims.

What I claim as new and desire to secure by Letters Patent of the United States is:—

1. A golf tee positioning device comprising a tee holder, a height adjuster integral therewith, and a pusher on which said holder is mounted, for axial movement by means of said height adjuster.

2. A golf tee positioning device comprising a tee holder, a shaft in which said holder is mounted, and means to vary the position of said holder axially of said shaft.

3. An accessory for golf clubs comprising a tee retaining member, and means to thread said member into a golf club, said thread means being so located as to variably position said member axially of the golf club.

4. An accessory for golf clubs comprising a tee retaining member and means to variably position said member axially of a golf club.

5. An accessory for golf clubs comprising a bushing having a tee engaging spring in the wall thereof, and means to variably position said spring axially of a golf club shaft.

6. A golf tee positioning device adapted for use in the end of a golf club comprising a threaded stem, a head thereon, and means on said head for yieldingly engaging the tee.

7. A golf tee positioning device adapted for use in the end of a golf club comprising a threaded stem, a head thereon, and spring means on said head for yieldingly gripping the tee.

8. A golf tee positioning device adapted for use in the end of a golf club comprising a stem, a head thereon, and means connected to said head for yieldingly engaging and retaining the tee.

9. A golf tee positioning device adapted for use in the end of a shaft comprising a threaded stem, a head thereon, springs attached to said head for yieldingly engaging and retaining a tee, and a washer threaded on said stem.

10. A golf tee positioning device adapted for use on a shaft comprising a threaded member having a bushing on one end thereof, said bushing having internal upstruck tongues in the wall thereof, adapted to yieldingly engage the head of a tee.

11. The combination with a golf club having a socket in one end thereof, of an extension for said shaft comprising a plug adapted to be inserted in said socket, and means in said plug to yieldingly engage and retain a tee.

12. The combination with a golf club having a socket in one end thereof, of an extension for said shaft comprising a plug adapted to be inserted in said socket, and means in said plug to yieldingly engage and retain a tee, said means comprising an adjustable element having the tee engaging springs extending therefrom.

13. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof, spring means therein for yieldingly holding a golf tee in said bore, threaded means in said bore centrally thereof for adjustably locating the spring means within said bore, said spring means being adapted to permit a projection of the tee from the bore whereby the projecting portion thereof may be pushed into the ground, and a shoulder on the shaft adapted to limit the movement of the tee into the ground.

14. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof and having a second bore of smaller diameter than said first bore and forming an internal continuation thereof, means in said first bore for yieldingly holding the tee, a threaded washer in said first bore, a member threaded in said washer and extending from said first bore into said second bore for adjustably locating the tee holding means with respect to said first bore, the adjustment between said threaded member and said washer serving to determine the depth to which the tee may be pushed into the ground.

15. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof, a bushing extending into said bore, said bushing being of resilient material, and slotted whereby to provide a close frictional engagement between said bushing and the internal wall of said bore, and means in said bushing to yieldingly engage and retain a tee.

16. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof, a bushing extending into said bore, said bushing being of resilient material, and slotted whereby to provide a close frictional engagement between said bushing and the internal wall of said bore, means in said bushing to yieldingly engage and retain a tee, and means to variably position said bushing in said bore.

17. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof, means attached to said shaft and extending into said bore and adapted to yieldingly retain a tee in said bore, and means in said bore for adjustably locating said means with respect to the bore.

18. A golf tee positioning device comprising a shaft having an internal bore extending into one end thereof, a washer in said bore, a threaded member in said bore and projecting through said washer, and means movable with said threaded member in said bore for yieldingly retaining a tee therein and adapted to adjustably locate said tee with respect to said bore.

19. A golf tee positioning device comprising a shaft having an internal bore extend-

ing into one end thereof, a washer in said bore, a threaded member in said bore and projecting through said washer, means movable with said threaded member in said bore for yieldingly retaining a tee therein and adapted to adjustably locate said tee with respect to said bore, and means to attach said shaft to a golf club.

20. A golf tee positioning device comprising a member having an internal bore, means in said bore for yieldingly retaining a tee, adjustable means in said bore, movable with said tee retaining means for adjustably locating the tee with respect to said bore.

21. The combination with a golf club having a bore extending into one end thereof and adapted to receive a tee, of means to yieldingly retain said tee in said bore, means to limit the insertion of the tee in said bore, and means to simultaneously adjust said limiting and retaining means.

22. The combination with a golf club having a bore extending into one end thereof and adapted to receive a tee, of means to yieldingly retain said tee in said bore, and variable means to limit the insertion of the tee in said bore, said retaining means being movable with said variable limiting means.

23. A golf tee positioning device adapted for use in the end of a golf club comprising a threaded stem, a head thereon, and means detachably connected to said head for yieldingly engaging the tee.

24. A golf tee positioning device adapted for use in the end of a shaft comprising a threaded stem, a magnetized head thereon adapted to engage a tee.

25. A magnetized golf tee positioning device adapted for use with metal headed tees comprising a stem adapted to be inserted in a shaft and having a magnetized head, said head and stem being longitudinally split to provide magnetic poles.

26. A magnetized golf tee positioning device adapted for use with metal headed tees comprising a stem adapted to be inserted in a shaft and having a magnetized head, said head and stem being longitudinally split to provide magnetic poles, and a spacer between the split portions.

27. The combination with a golf club having a socket in one end thereof, of an extension for said shaft comprising a plug adapted to be inserted in said socket, and means in said plug to yieldingly engage and retain a tee, said means comprising an adjustable element having a magnetic head thereon.

28. A golf tee positioning device adapted for use in the end of the shaft comprising a threaded portion for effecting adjustments of the device relative to the shaft and a magnetized portion operatively connected to said threaded portion and adapted to engage a tee.

29. A magnetized golf tee positioning device adapted for use with metal headed tees, comprising a shaft, a member having a stem insertable in said shaft, and a magnetized portion mounted on said stem, said magnetized portion being exposed to yieldingly engage a tee, and means cooperable with said stem to effect an adjustment of said magnetic portion relative to said shaft.

30. The combination with a golf club, of means carried by the club to yieldingly engage and retain a tee, said means comprising an adjusting element effective to position said means relative to the shaft, and a magnetic element carried by said adjusting element.

In testimony whereof I hereunto affix my signature.

PAUL A. CZICHOS.