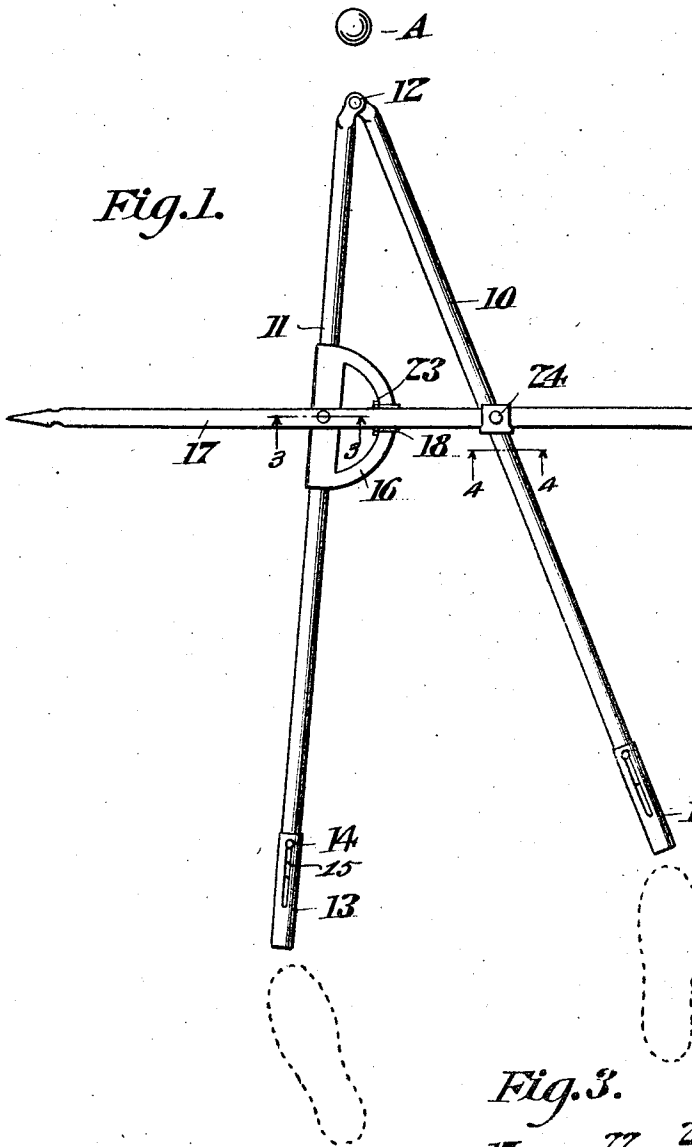
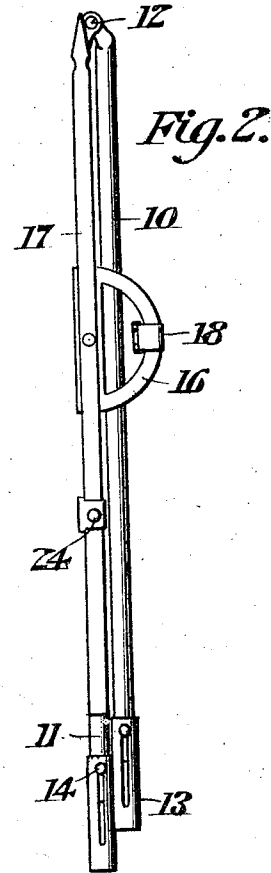
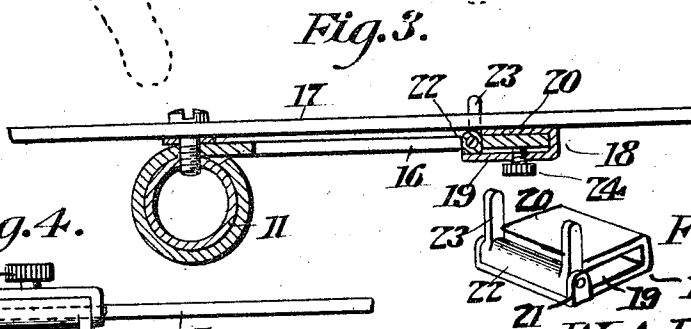
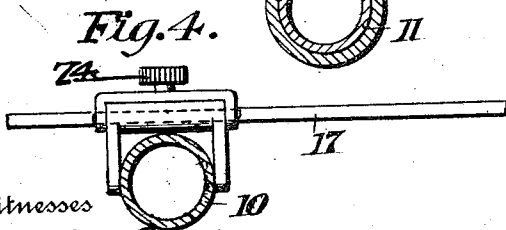
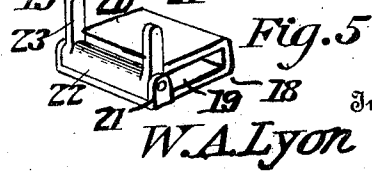


Patented Dec. 19, 1916.

1,208,995.



Witnesses
M. H. [Signature]
Edward [Signature]

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM A. LYON, OF MADISON, INDIANA.

GOLF-TEACHING INSTRUMENT.

1,208,995.

Specification of Letters Patent.

Patented Dec. 19, 1916.

Application filed March 31, 1916. Serial No. 88,100.

To all whom it may concern:

Be it known that I, WILLIAM A. LYON, a citizen of the United States, residing at Madison, in the county of Jefferson and State of Indiana, have invented new and useful Improvements in Golf-Teaching Instruments, of which the following is a specification.

It is a well known fact that in playing the game of golf, it is desirable at times to drive the ball in a manner to cause it to curve either in one direction known as a "slice" or in an opposite direction known as a "hook", while at other times it is desired to drive the ball in a straight path. To accomplish these feats, a great deal depends upon the stance of the player, especially the position of the feet.

It is therefore my aim to provide a device for schooling beginners in the game in the proper position of the feet with respect to the ball and with relation to each other for different plays, or in other words the proper stance consistent with the direction of play.

To this end, the preferred embodiment of the invention includes a stationary foot position indicating member and a similar relatively movable member, which latter is simultaneously adjustable with the adjustment of an element to indicate the direction of play, whereby the movable foot position indicating member will assume the proper position with respect to the other member for different plays.

Another object of the invention resides in the provision of a device of the above mentioned character, which can be folded to permit of its convenient arrangement in a caddie bag.

Other objects will appear as the nature of the invention is better understood from the following description when read in connection with the accompanying drawing, the invention residing in the construction, combination and arrangement of parts as claimed.

In the drawing forming part of this specification like numerals of reference indicate similar parts in the several view and in which:—

Figure 1 is a plan view showing the manner of using the device. Fig. 2 is a view of the device folded. Fig. 3 is a sectional view taken on line 3—3 of Fig. 1. Fig. 4 is a sectional view taken on line 4—4 of Fig. 1

looking in the direction of the arrow. Fig. 5 is an enlarged view of one of the clips.

Before entering into a detail description of what is herein shown and described I desire to have it understood that the same is merely illustrative of one embodiment of the invention to which I do not limit myself, and that various changes in the construction and arrangement of parts may be resorted to when desired as fall within the scope of what is claimed.

The invention in the present instance preferably consists of a substantially V-shaped frame the limbs 10 and 11 respectively of which are pivoted at one end as at 12. Each limb has slidably fitted on its opposite end a slotted sleeve 13 by means of which the limbs may be increased and decreased in length for the purpose to be hereinafter fully set forth, the sleeves being held fixed in any adjusted position by means of a thumb nut 14 passed through the slot 15 into the frame.

It is of course to be understood that the component parts of the device in its entirety may be constructed from any suitable material, and vary in both design and dimensions without departing from the spirit of the invention.

Carried by the limb 11 at a point in its length is an arcuate-shaped member 16 which can be secured to the limb in any suitable manner, the curved portion lying horizontally between the respective limbs of the frame. Pivotaly mounted upon the limb 11 above the arcuate-shaped member 16 is an arrow 17 of suitable length to extend an appreciable distance beyond the limbs 10 and 11, and which arrow is adapted to be moved on its pivot to indicate the direction in which the ball is to be addressed.

In practice the frame is laid flat upon the surface with its apex a slight distance from the ball indicated at A so that the frame will not interfere with the swing of the club. In this position the opposite end of the limb 11 lies in a plane slightly in advance of the ball A, and adapted to remain in said position thereby constituting what will be hereinafter termed the stationary limb. In playing the game of golf it is oftentimes desired to drive the ball A in a manner to cause the same to curve during its course of travel, which if curved in one direction is known as a "slice", while in an

opposite direction it is known as a "hook". The driving of the ball in this manner under certain conditions is essential, and in order to accomplish the same it is necessary to shift the right foot into a certain position, depending of course upon the manner in which it is desired to drive the ball. For this purpose the limb 10 is capable of adjustment with relation to the limb 11, but is controlled in its adjustment through the instrumentality of the arrow 17, so that the degree of adjustment depends upon the direction of play indicated by the adjustment of the arrow, with a result that the free end of the limb 10 is caused to assume a proper position which the right foot of the player should occupy for a certain drive. The sleeves 13 are adjustable longitudinally of the respective limbs of the frame to regulate the distance between the ball and the feet of the player, to compensate for the use of the different size clubs, or for any other purpose that would make it necessary for the player to move either toward or away from the ball.

With a view of carrying the idea of the automatic adjustment of the limb 10 under control of the arrow 17 into effect, I preferably make use of a pair of slide clips, one of which is mounted to slide upon the arcuate-shaped member 16 and the other of which is slidably mounted upon the arrow 17. The clip associated with the arcuate-shaped member preferably consists of a U-shaped body 18, the parallel wall 19 of which extends a slight distance beyond the extremity of the wall 20 and is provided with apertured ears 21. Journaled between these ears is a cross bar 22 from the opposite ends of which project spaced arms 23 adapted to embrace the arrow 17 so as to guide the latter in its adjustment when swung upon its pivot to indicate the direction of play. The clip carried by the arrow is identical in construction with the clip 18, being of substantially U-formation and slidably mounted upon the arrow arm as shown. The spaced arms of the pivoted member of this clip embraces the limb 10 of the frame, so that as the arrow 17 is adjusted the limb 10 is simultaneously moved either toward or away from the limb 11 a degree proportionate with the degree of adjustment of the arrow 17, thereby positioning the free end of the limb 10 in the proper position which should be occupied by the right foot of the player in order to make with any assurance the drive desired. It is of course to be understood that the device is primarily intended for use by beginners in the game of golf, although it may be used by others if so desired. When the user finds the proper position of the feet, and the distance between the feet and the ball for a certain play or drive, the arrow 17 may be fixed

upon the frame by adjusting the set screws 24 carried by the respective clips, and tightening the set screws 14 associated with the sleeves 13, so that he may at any time use the device to make the play. Manifestly the device is especially advantageous in schooling beginners in the proper stance for each play. In use the cross bar 22 of the clip is held by frictional engagement therebetween and the wall 19 in a position whereby the arms embrace their respective members, but when use of the device is not desired, the arms 23 may be swung to an inoperative position to permit the device to be folded at which time the component parts occupy the position illustrated in Fig. 2 which obviously permits the same to be conveniently arranged in a caddie bag.

What is claimed is:—

1. A stance instructor comprising means for indicating the position of the feet with relation to the ball, and means operable simultaneously with the first named means for determining the line of drive according to the stance.

2. A stance instructor comprising cooperating members for indicating the position of the feet with relation to the ball, and with relation to each other, and means operable simultaneously with the first named means for determining the line of drive of the stance.

3. A stance instructor comprising means for indicating the type of drive desired, and means under control of the first named means for indicating the position of the feet for the particular drive.

4. A device of the class described comprising a pair of associated foot position indicating members, one of said members being adjustable with respect to the other, and means for indicating the direction of play and controlling the movements of said adjustable member.

5. A device of the class described comprising a frame including a stationary member and a relatively movable member, means for varying the length of said members, and an element adjustably associated with the frame for indicating the direction of play and controlling the adjustment of said movable member.

6. A device of the class described comprising a frame including a stationary member and a relatively movable member, an arrow pivotally mounted on the frame for indicating the line of drive, and a connection between said arrow and movable member to effect a simultaneous adjustment of these parts upon adjustment of the arrow.

7. A device of the class described comprising a frame including a stationary member and a relatively movable associated member, an arrow pivoted on said stationary member, and a clip slidably mounted on

said arrow and engaging said movable member to simultaneously adjust the latter with respect to the stationary member with the adjustment of said arrow.

- 5 8. A device of the class described comprising a substantially V-shaped frame including a stationary limb and a relatively movable limb, an arcuate-shaped member fixed on said stationary member, an arrow
10 pivoted thereon, and connections between

the arrow and said arcuate-shaped member and movable limb, whereby the adjustment of the latter is controlled by the adjustment of said arrow.

In testimony whereof I affix my signature 15 in presence of two witnesses.

WILLIAM A. LYON.

Witnesses:

RAYBURN C. AUSTIN,
HAVEN K. SHERLOCK.