No. 686,265. Patented Nov. 12, 1901.

E. CROWE.

GOLF APPARATUS.

(Application filed Apr. 24, 1901.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1

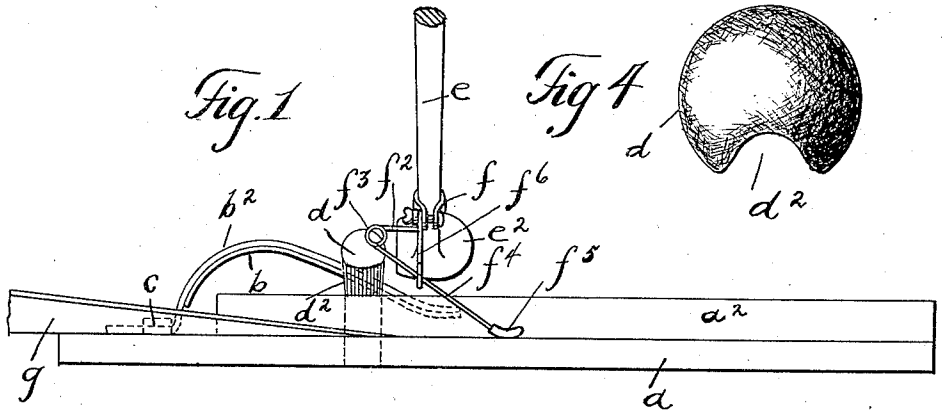


Fig. 4

Fig. 2.

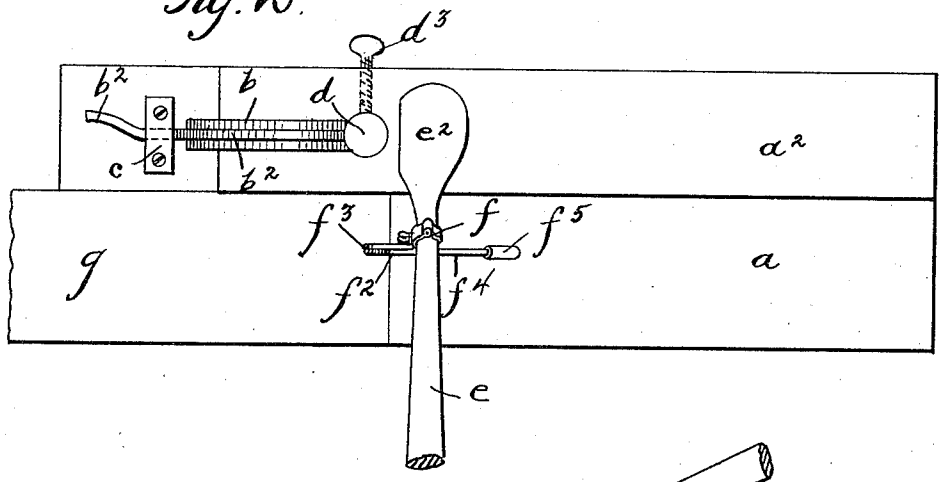
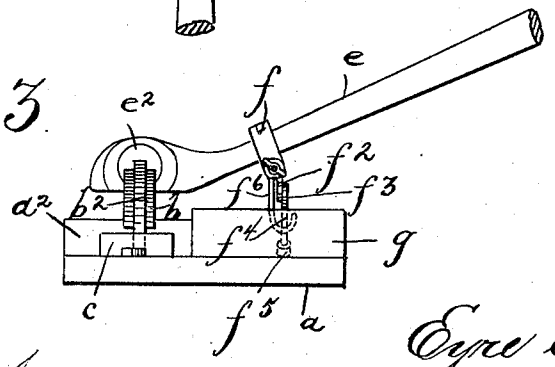


Fig. 3.



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Fig 7.

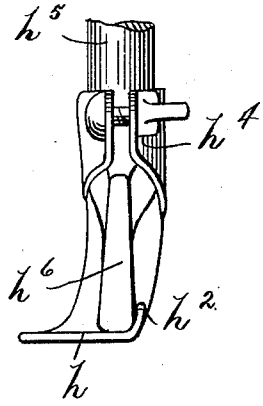


Fig 5.

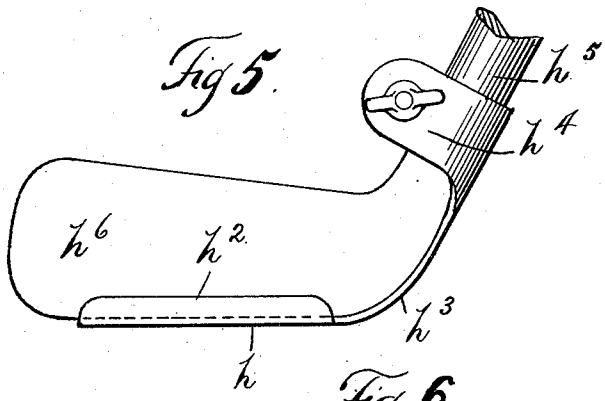


Fig 6

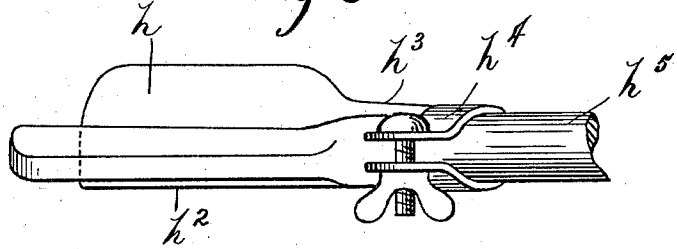
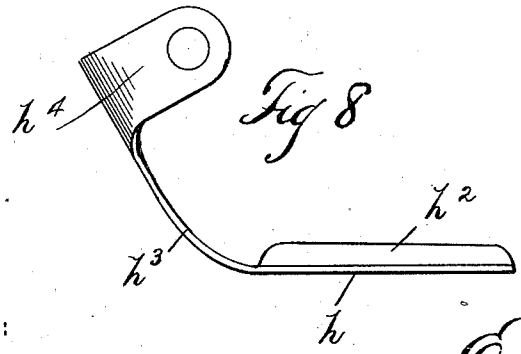


Fig 8



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UNITED STATES PATENT OFFICE.

EYRE CROWE, OF BANBURY, ENGLAND.

GOLF APPARATUS.

SPECIFICATION forming part of Letters Patent No. 686,265, dated November 12, 1901.

Application filed April 24, 1901. Serial No. 57,168. (No model.)

To all whom it may concern:

Be it known that I, EYRE CROWE, a subject of the King of England, residing at Fernleigh, Oxford road, Banbury, in the county of Oxford, England, have invented certain new and useful Improvements in Golf Apparatus, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to golf-playing devices; and the object thereof is to provide means to enable a player to ascertain whether when striking at the ball he is doing so accurately, and so enable him to correct any faults in his stroke, a further object being to provide an apparatus or device for this purpose which is so constructed that it can be used in any confined space that is large enough to allow a golf-club to be swung.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by the same reference characters in each of the views, and in which—

Figure 1 is a side view showing the apparatus which I employ and the method of using the same; Fig. 2, a plan view thereof; Fig. 3, an end view; Fig. 4, a side view of a ball which I employ; Fig. 5, a side view of a golf-club and an attachment which I employ; Fig. 6, a plan view thereof; Fig. 7, a front view thereof, and Fig. 8 a side view of the attachment removed from the club.

In the practice of my invention I provide an apparatus of the class specified, which consists of a board a, on which is fixed a raised strip a^2, covered with matting or like material and at the end of which is secured a spring b, over which is passed a strip of leather which is drawn tight, so as to somewhat compress the spring, and said strip is secured by means of a clamp c.

The ball d may be made of wool or some soft material, so that it will not do damage in a room, and is placed on a tee d^2, adjacent to and on a line with the spring b, and said tee is made of somewhat elastic material, such as bristles or rubber, so that after the club has passed the tee the bristles or rubber will spring back into position, and the tee may be made adjustable as to height by means of a set-screw d^3, which passes through one side of the support thereof. The tee d^2 may be placed on either side of the spring b or directly under it, and in the latter case, which is the one shown in the drawings, the material of the tee projects above the spring at each side and does not interfere with the action of the spring.

Secured to the shaft of the club e, adjacent to the head e^2 thereof, is a clamp f, provided with a spring-marker f^2, which projects first horizontally to the left of the shank of the club and is formed into a spring-coil f^3, and then projected backwardly and to the right to form a spring-arm f^4. The end of the spring is covered with leather or like material, and the spring-arm f^4 passes through a guide f^6, secured to the clamp f, and the clamp e may be adjusted as to height on the shank of the club.

Secured to the board a and to the end thereof to the left of the tee is a sloping board g, and when the player is ready for operations the leather on the spring b and on the shoe f^5 is chalked or smeared with some marking fluid, and on striking the ball with the club the spring b will make a mark across the sole of the head of the club, while the spring-arm f^4 will leave a mark along the board g, and by the direction and position of these marks the player will know whether he has made the stroke accurately or not. The spring-arm f^4 of the marking attachment f^2 exerts a pressure on the bottom of the guide f^6, so that it is already in tension when the end of it touches the board g, and this prevents the vibration of the spring-arm and insures a firm clean mark however lightly the spring-arm may touch the board, and for the same reason the spring b is compressed by pulling the leather strip b^2 and clamping it tightly.

When metal clubs are used, the heads of which have narrower soles, I increase the width of the bottom of said heads by means of a false sole made of a thin metal plate or the like, as shown at h in Figs. 5 to 8, and this metal plate is provided at the front edge with a flange h^2 and with a neck h^3, which passes up around the heel of the head of the club and is provided with a clamp h^4, by means of which it is secured to the shank h^5 of the

club, the head of the club being shown at h^6, and by means of this construction the head of the club or the sole thereof is provided with greater space on which the line will show.

The ball which I employ is also provided with a U-shaped depression in the bottom thereof, as shown at d^2 in Fig. 4, so that it will clear the spring h; otherwise the marking chalk or fluid might be rubbed off by the passage of the ball over said spring.

It will be understood that the club f and marking attachment f^2 are used in connection with the club and club attachment. (Shown in Figs. 5 to 8, inclusive.)

This apparatus is simple in construction and operation and perfectly adapted to accomplish the result for which it is intended, and it will be apparent that changes therein and modifications thereof may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An apparatus of the class described, comprising a board or support provided at one end with a supplemental board, and devices connected with a golf-club, and with said supplemental board whereby a mark is left on the sole of the head of the club, and another in the inclined supplemental board when the player makes a stroke, substantially as shown and described.

2. An apparatus of the class described, comprising a board or support provided with an inclined supplemental board, a tee-support for a golf-ball, devices connected with a golf-club and said supplemental board, whereby a mark is left on the sole of the head of the club, and another on the supplemental board when the player makes a stroke, substantially as shown and described.

3. An apparatus of the class described, comprising a board or support, an inclined supplemental board at one end thereof, a tee-support for a golf-ball adjacent to the end of the inclined board, a spring secured to the end of the board or support and curved upwardly and downwardly and to the right, and passed adjacent to the tee-support and provided with a covering of leather or similar material, whereby a mark is made on the head of the golf-club when a stroke is made, and a device adapted to be connected with the golf-club for making a mark on the inclined board at the same time, substantially as shown and described.

4. An apparatus of the class described, comprising a board or support, an inclined supplemental board at one end thereof, a tee-support for a ball adjacent to the end of the inclined board, a spring secured to the end of the board or support and curved upwardly and downwardly and to the right and passed adjacent to the tee-support and provided with a covering of leather or similar material, whereby a mark is made on the head of the golf-club when a stroke is made, and a device adapted to be connected with the golf-club for making a mark on the inclined board or support at the same time, said device consisting of a clamp provided with a downwardly and backwardly directed spring-arm, substantially as shown and described.

5. In an apparatus of the class described, a board or support, and an inclined supplemental board at one end thereof, a tee-support for a ball adjacent to the end of the inclined supplemental board, a spring secured to the board or support at the left of said tee-support, and curved upwardly, downwardly, and to the right of and adjacent to said tee-support and provided with a covering of leather, or similar material, substantially as shown and described.

6. An attachment for golf-clubs comprising a clamp f, a spring-marker f^2 connected therewith and projecting to the left and provided with a spring-arm f^4 which projects downwardly and to the right and is provided with a shoe f^5, substantially as shown and described.

7. An attachment for the heads of golf-clubs, consisting of a supplemental shoe-plate h having a flange h^2, a neck h^3 and a clamp h^4, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 10th day of April, 1901.

EYRE CROWE.

Witnesses:
FRED. P. THORNTON,
W. H. PARTRIDGE.