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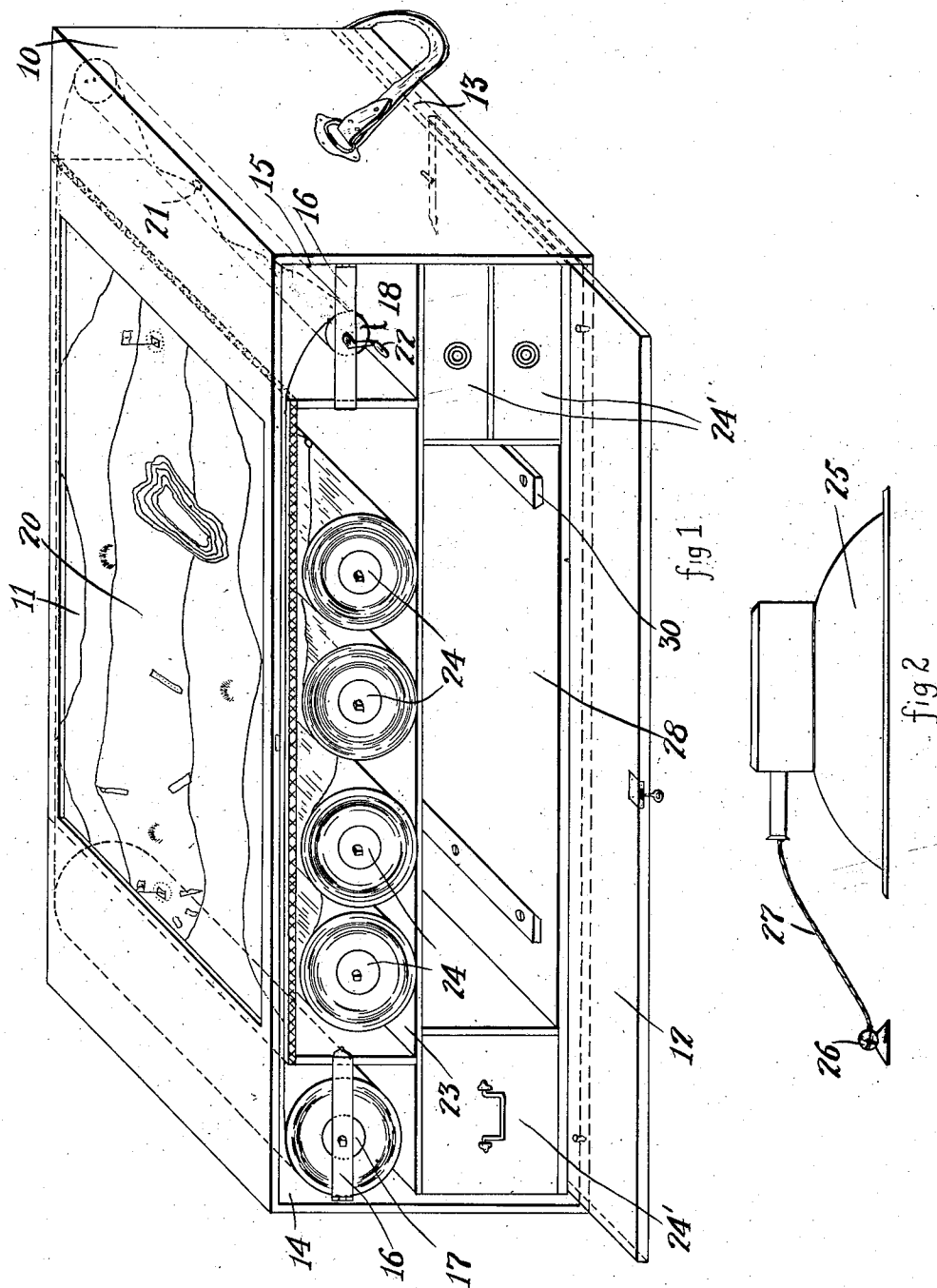
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G. E. SCHENK

GAME

Filed Feb. 25, 1924

4 Sheets-Sheet 1



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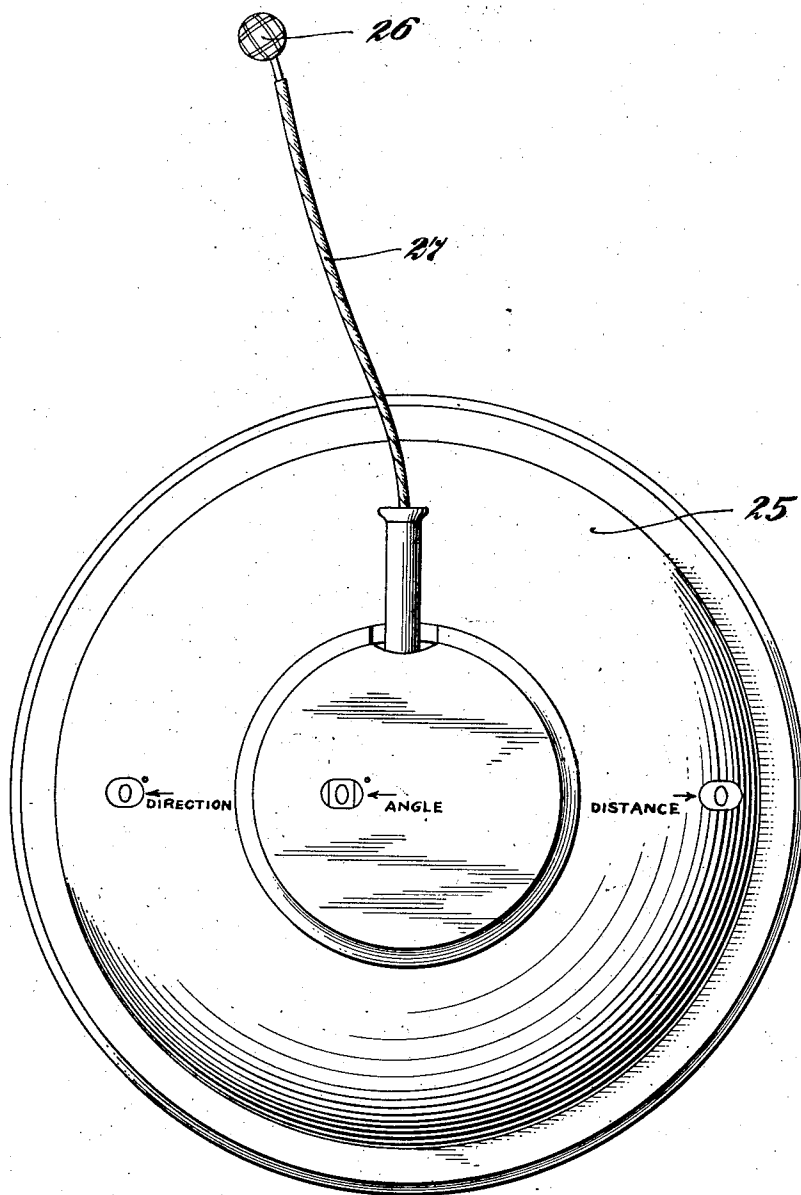


fig. 2 a.

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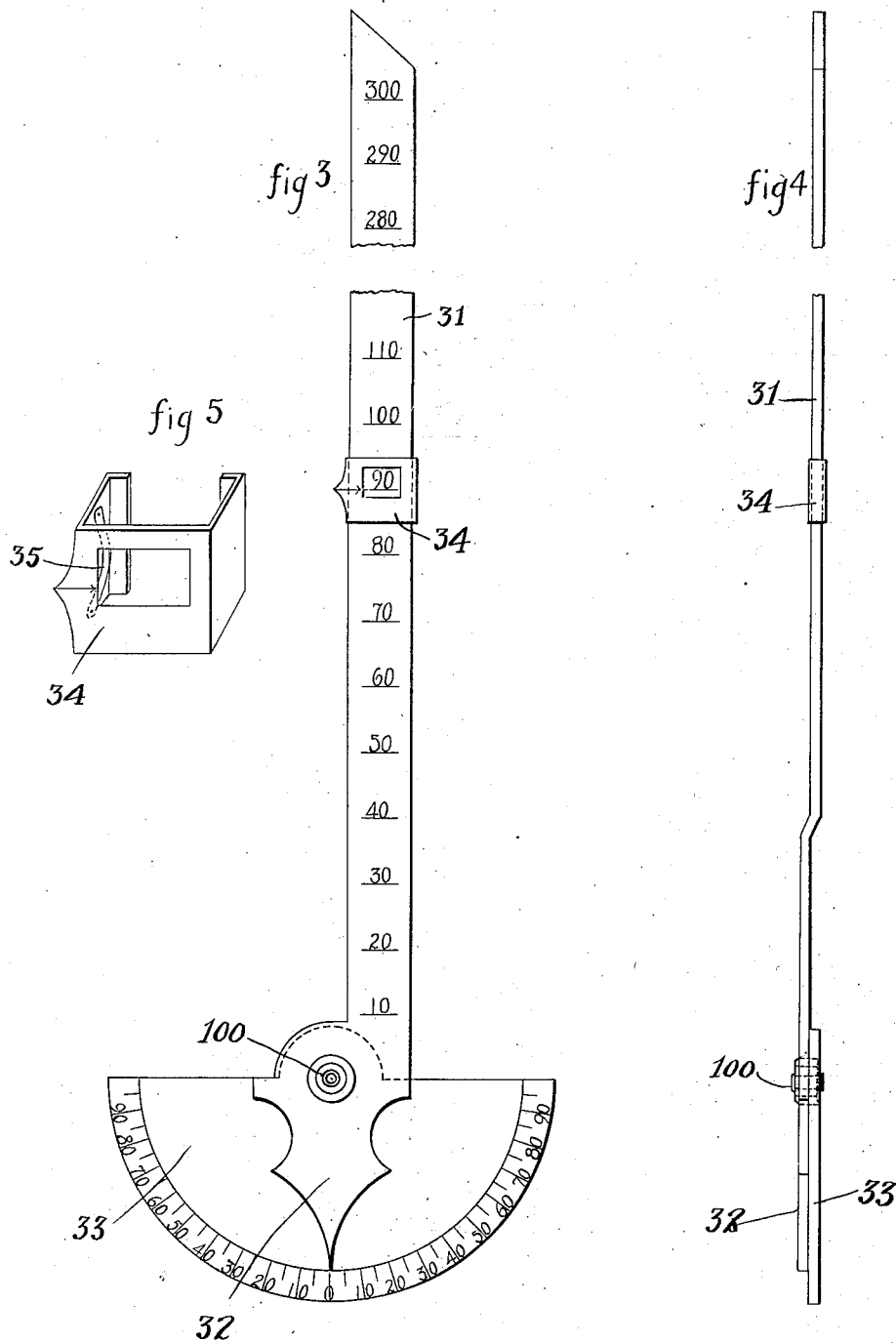
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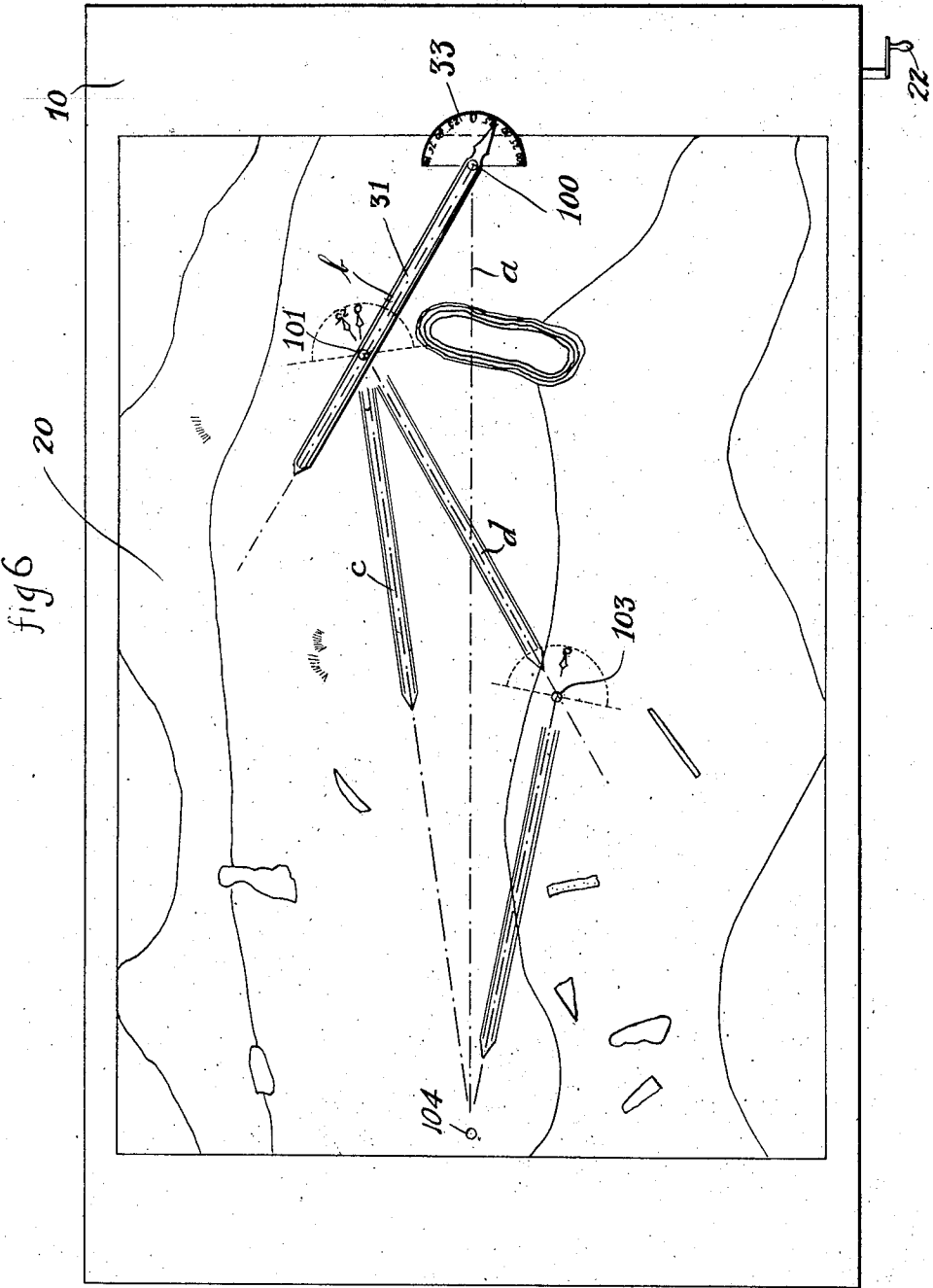
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4 Sheets-Sheet 4



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UNITED STATES PATENT OFFICE.

GEORGE E. SCHENK, OF BROOKLYN, NEW YORK.

GAME.

Application filed February 25, 1924. Serial No. 694,902.

To all whom it may concern:

Be it known that I, GEORGE E. SCHENK, a citizen of the United States, residing in the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Games, of which the following is a specification.

This invention relates to games, and more particularly relates to a golf game which includes a suitable miniature representation of a golf course over which the play proceeds by plotting the location of points or markers thereon successively as directed by a golf stroke recording device which is actuated by the player, and which registers distances and departure angles which vary with the manner in which the device is actuated.

The principal object of my invention is to provide a game which is suitable for indoor play, and one which is enjoyable, interesting and instructive, and to provide game apparatus for playing the game. Another object of my invention is to provide a game in the playing of which a person may obtain practice and accuracy in playing regular golf strokes with regular golf clubs. Another object of my invention is to provide a golf game which may include miniature representations of regular golf courses, or holes thereof, so as to serve to acquaint the players of the game with the terrain and characteristics of such holes and courses. Another object of my invention is to provide a device for presenting representations of golf holes and courses for playing the game, which device is simple and compact, and which may be manipulated readily and easily to change the holes or courses presented for the playing of the game.

Other objects of my invention will be in part obvious and in part pointed out hereafter.

In its simplest form a game apparatus according to my invention comprises a game board or sheet, or the like, marked to represent one or more golf holes, and which may include representations of tees, holes, hazards, fair way, penalty areas, and any other arbitrary markings or representations,

preferably characteristic of regular golf holes or courses, as desired. In conjunction with such course sheet I utilize an apparatus which is adapted to be actuated by a player to give registrations indicating distance and direction, which registrations vary in accordance with variations in the actuation of the apparatus by the player. For such apparatus I preferably utilize a golf stroke recording apparatus such as is described in an application filed by me on even date herewith, Serial No. 694,901. Such apparatus includes a captive projectile, preferably simulating a golf ball, and is adapted to be actuated by a player striking the projectile with a regular golf club used in the regular manner. Preferably the course to be played is marked out on a long sheet which is wound into a roll, so that by unwinding the roll progressively different areas of the course become presented for play. I provide a suitable cabinet or box for holding the course roll in such a way that the various areas may be suitably presented for play, and at the same time permitting the different areas of the course to be advanced for playing. The roll preferably includes representations of a plurality of single hole courses arranged successively along the sheet. My invention also includes the provision of a combined protractor and linear measure or rule whereby the location of an imaginary or physical marker, representing a golf ball in play, may be determined on the course in accordance with the angle of departure and distance of flight of the captive ball of the stroke recording apparatus upon each stroke taken by the persons playing the game, said ball locations being adapted to be progressively plotted on the course as directed by the indicia of the stroke recording apparatus in response to successive strokes taken by the players.

In order that a clearer understanding of my invention may be had attention is hereby directed to the accompanying drawings forming a part of this application and illustrating certain possible embodiments of my invention. Referring to the drawings, Fig. 1 is a perspective view of the course cabinet

showing a portion of a course roll presented for play, and other course rolls stored in the cabinet for future use; Fig. 2 is an elevation of the stroke recording apparatus; Fig. 2^a is a top plan view of the stroke recording apparatus shown in Fig. 2; Fig. 3 is a front elevation of the device for plotting a point on the course in accordance with flight registrations recorded by the golf stroke recording apparatus; Fig. 4 is a side elevation of the device shown in Fig. 3; Fig. 5 is a perspective view of the marking slide; Fig. 6 is an elevation of the course cabinet showing the progressive application of play.

Similar reference characters refer to similar parts throughout the several views of the drawings.

Referring to the drawings, and more particularly to Fig. 1, 10 designates a cabinet of preferably rectangular form and having in its upper face an opening 11. The front of the cabinet is normally closed, but, as shown, the cover 12 therefor may be removed and be positioned in the grooves 13 at the bottom of the cabinet whenever desired. The cabinet has compartments 14 and 15 in which reels 17 and 18 for the course sheet being played are rotatably and removably mounted, the outer ends of these reels being rotatably engaged in hinged arms 16. The course sheet 20, of paper, cloth or the like, is initially wound on the reel 17, this sheet preferably contains a plurality of representations of separate golf holes arranged successively along the sheet. To bring the representation of the first hole into position for play, the end of sheet 20 is drawn across the cabinet as shown and is secured to the reel 18 by means of a catch or clip 21. Reel 18 is provided with a handle 22, by means of which the sheet 20 may be wound on reel 18 and thus be drawn across the cabinet to present the successive areas of the sheet for play. The sheet 20 has plotted on its outward face the characteristics and topographical features of a golf course. It will be evident that as the sheet is advanced across the opening 11 the terrain of a golf course of the desired number of holes may be advanced into view.

A longitudinal compartment 23 is provided in the upper portion of the cabinet for the storage of a plurality of course rolls having representations of the characteristics of various other golf courses, so that the game may be played over any one of these courses, as desired, it being merely necessary to place the desired course roll in the compartment 14 and to engage the end of such course sheet with an empty reel 18 in the compartment 15. The cabinet may also have drawers 24 for any particular use desired.

The golf stroke recording apparatus 25, as described in my co-pending application, is

shown in Fig. 2. The ball 26 simulating a golf ball, is held captive by a cable 27, and when the ball is struck with, for instance, a golf club, the angles of departure and inclination and the distance in flight of the ball will be recorded by the apparatus and may be read by the player. A compartment 28 is provided in the cabinet 10, and has arranged transversely along its base the restraining members 30 with beveled edges. The purpose of this compartment is to provide a storage place for the golf stroke recording apparatus. The members 30 serve to retain the recording apparatus in a proper position therein, the bottom flanges of the apparatus being slidably engageable beneath the beveled edges of members 30.

Referring now to Fig. 3, wherein is shown a device adapted for use with my game, 31 designates a longitudinal bar having arranged on its upper face numbers to indicate distances in yards, preferably calibrated to the scale used in plotting the course characteristics upon the course sheets 20 and 24. The member 31 has at its lower portion, and in alignment with one side thereof, an indicating arrow portion 32. Rule 31 is pivotally secured to a semi-circular protractor scale 33 which is marked or scaled from a middle zero point in angular degrees to the left and right thereof. A sliding indicating or marker member 34 envelops the rule 31 and is frictionally restrained against movement thereon by a clip spring 35.

It will, of course, be evident that the longitudinal scaled rule 31 may be moved at any angle with respect to the angular scale or protractor 33 by means of its pivotal mounting thereon.

Referring now to Fig. 6, one possible manner of playing the game will be explained. The course sheet being marked off into a plurality of single hole courses, the total of which constitutes the complete course, the chosen object of the game may be to progress an imaginary ball, or physical marker, over each single hole course in the fewest number of strokes. To take a stroke the player strikes the captive ball of the golf stroke recording device once, striving to so hit the ball that the recording device will register no angle of departure and a distance, which, when calibrated and plotted on the course, will advance the imaginary ball or marker a favorable distance. To begin the play of each hole course an arbitrary starting point, such as a representation of a golf tee, 100, is taken. The player then strikes the captive ball of the stroke recording apparatus and notes the registrations of direction and distance. The player now takes the combined rule and protractor, set at zero, and lays it on the course, pointing in straight ahead direction as indicated by dot and dash line *a*. Now holding the

protractor portion 33 stationary, the player shifts the rule to the right or left until the arrow 32 points to the angle registered by the recording apparatus, for instance into the position *b*, and then the player slides the marker 34 along the rule 31 to the distance mark corresponding to the distance registration of the recording apparatus. This marker now locates the imaginary ball or marker on the course, where it has been placed by the first stroke of the player, as at 101. The player now takes another stroke and advances the imaginary ball or marker on the course in a similar manner as directed by the registration of the golf stroke recording apparatus, except that, instead of beginning at the tee 100 the direction and distance is set off from the present location of the ball, as at 101. For instance, the rule is laid in straight ahead position *c*, and then is shifted angularly as directed by the recording apparatus, as into the position *d*, and the distance is set off along this line, locating the ball for this shot, as at 103. The player continues to take successive strokes and to plot the location of the ball progressively along the course in the above manner and under the direction of the registrations of the golf stroke recording apparatus until the ball has arrived at a final arbitrary location, such as 104, called "the hole". After one hole course has been played, the succeeding holes may be played in a similar manner, the course sheet being advanced as necessary by manipulating the handle 22.

From the above, it will be evident that the game as disclosed in my invention is productive of enjoyment and also affords a golfer much practice and accuracy in perfecting his style of play. It also has the advantage of acquainting the golfer with the topographical features of various courses as laid out by leading golf course architects.

Inasmuch as many changes could be made in the above construction and many widely different embodiments of my invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense. It is also to be understood that the language used in the following claims is intended to cover all the generic and specific features of the invention herein described and all the statements of the scope of the invention which, as a matter of language, may be said to fall therebetween.

I claim:

1. A game apparatus, comprising, in combination, a stroke recording apparatus, including a captive ball adapted to be projected in flight by being struck, as with a golf club, and presenting in accordance with the stroke factor of each stroke indicia rep-

resenting any one of a great number of distances and indicia representing any one of a great number of angles of departure, a miniature golf course, and a plotting instrument cooperating with said course to locate for each stroke on the recording apparatus a point corresponding with the stroke factor of the stroke in accordance with the accompanying indicia of the apparatus, said plotting instrument comprising a straight linear measuring rule calibrated and marked to the scale of the miniature course, and an angle protractor member pivoted to said rule and movable into various angular positions relatively thereto, said rule being calibrated and marked in degrees, whereby the relative angular position of said rule and protractor may be determined.

2. A game apparatus, comprising, in combination, a cabinet having an aperture in its upper face, and a sheet adapted to be rolled progressively across said opening, said sheet having represented thereon the characteristics of a golf course, means adapted to be actuated by a player for indicating various distances and angles, and means for plotting points on said sheet in accordance with such distance and angle indications.

3. In combination with a stroke recording apparatus adapted to determine the angle of departure and distance in flight of a captive ball associated therewith when projected in flight by being struck, as with a golf club, and including indicating means showing the angle of departure and distance of flight of said captive ball when projected, of a cabinet having an aperture in its upper face, said cabinet having a compartment for said stroke recording apparatus, and a sheet adapted to be rolled across said opening and having plotted thereon the characteristics of a golf course, and means comprising a combined rule and protractor, for locating successively on said sheet the angles of departure and distances of flight indicated by said recording apparatus upon successive flights of said ball due to its being struck.

4. In a game apparatus of the character described, in combination, a cabinet having an opening in its upper face, compartments in both ends of said cabinet, and a reel adapted to be mounted in one end compartment, and including a longitudinal sheet having plotted thereon the characteristics of a golf course, said sheet being adapted to be advanced across said opening in said cabinet and to be rewound in the other of said end compartments, and a central compartment adapted to house a plurality of reels having representations of golf courses plotted thereon.

5. In a game apparatus of the character described, in combination, a cabinet having an opening in its upper face, compartments in both ends of said cabinet, and a reel

adapted to be mounted in one end compartment, and including a longitudinal sheet having plotted thereon the characteristics of a golf course, said sheet adapted to be advanced across said opening in said cabinet and to be rewound in the other of said end compartments, means to determine the angle of departure and distance of flight of a captive ball when projected in flight, as by being struck with a golf club, and means to plot on said sheet as it is advanced across said opening in said cabinet angles and distances corresponding to the angle of departure and distance of flight of said projected ball.

This specification signed this 20 day of February, 1924.

GEORGE E. SCHENK.