March 29, 1927. C. W. COFFIELD 1,622,421

GAME BALL

Filed March 30, 1926

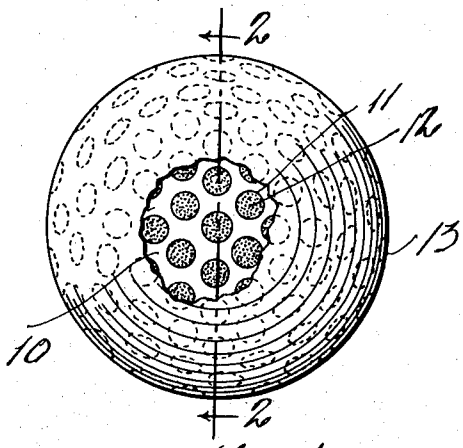

Fig. 1.

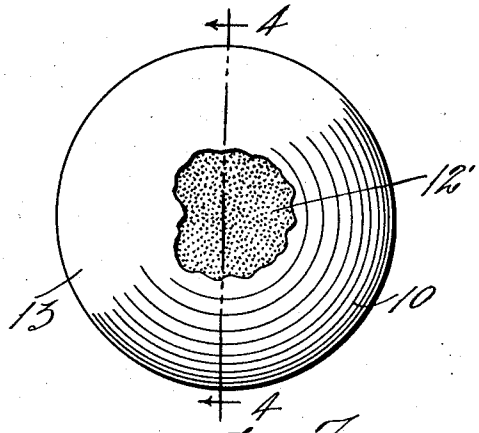

Fig. 3.

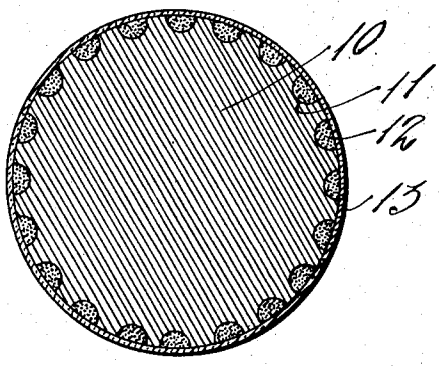

Fig. 2.

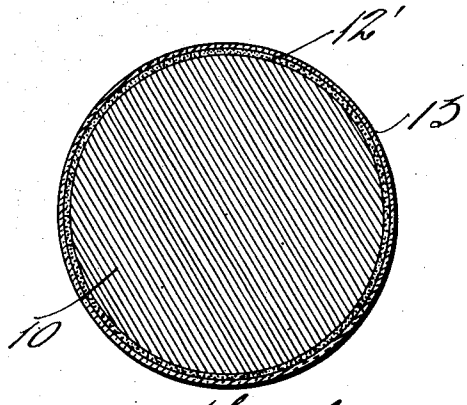

Fig. 4.

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UNITED STATES PATENT OFFICE.

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GAME BALL.

Application filed March 30, 1926. Serial No. 98,471.

This invention relates to new and useful improvements in game balls.

The object of the invention is to provide a game ball of the type which is adapted to be struck with a club, such as a golf ball, with a luminous application, whereby said ball may be located at night or in dark places.

A further object of the invention is to provide a luminous ball with a transparent covering of such a nature as to cover and protect the luminous matter without destroying the luminosity, and at the same time to withstand the impact of the club without fracturing.

A construction designed to carry out the invention will be hereinafter described together with other features of the invention.

The invention will be more readily understood from a reading of the following specification and by reference to the accompanying drawings, in which an example of the invention is shown and wherein:

Fig. 1 is a view of a golf ball constructed in accordance with my invention, a portion of the covering being omitted,

Fig. 2 is a diametrical cross-sectional view taken on the line 2—2 of Fig. 1,

Fig. 3 is a view similar to Fig. 1 of another form of the invention, and

Fig. 4 is a diametrical cross-sectional view taken on the line 4—4 of Fig. 3.

In the drawings, the numeral 10 designates a golf ball of any suitable construction, the surface of which is formed with spaced sumps or recesses 11, which may be concaved or otherwise shaped in cross-section. These sumps may be regularly spaced apart or grouped, or arranged in any other desirable manner. While I have shown and described a golf ball, the invention may be applied to any analogous ball. A suitable luminous composition or material 12, such as "radium paint" or any other material having radium or equivalent material as its base is filled into the sumps flush with the surface of the body of the ball, thus forming luminous buttons or spots on the surface of the ball.

In order to protect these buttons a transparent jacket or covering 13 is molded around the ball. This jacket may be formed of a celluloid or pyroxylin composition or any of the well known transparent coatings now in common use. The coating must be tough enough to withstand the impact of the club without fracturing or chipping off and must also snugly embrace or adhere to the ball.

It is evident the invention may be applied to the ball in various ways. For instance in Figs. 3 and 4 I have shown the ball 10 having a smooth surface, but this is not essential, and entirely coated with a luminous coating 12′ and covered with the jacket 13. Numerous other forms have not been illustrated.

A ball made in accordance with my invention may be readily located at night or in dark places owing to its luminosity. Such a ball will enable the playing of golf and similar games at night and permit the finishing of games which would otherwise be stopped because of darkness.

Various changes in the size, shape and design of the ball as well as modifications and alterations may be made within the scope of the appended claim.

What I claim is:

A solid game ball having a plurality of separated recesses upon its periphery, luminous material filling said recesses flush with said periphery, and a transparent covering completely enclosing the surface of the ball and said material.

In testimony whereof I affix my signature.

CHARLES W. COFFIELD.