March 8, 1927. 1,620,290

A. J. RUBIN

SIGNAL BALL

Filed Nov. 7, 1925

Fig. 1.

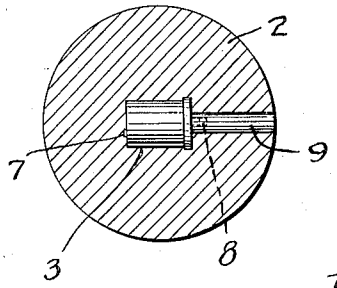


Fig. 2.

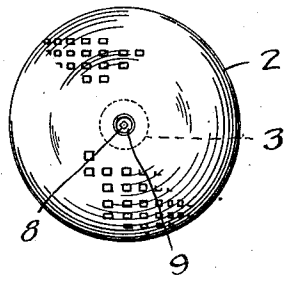


Fig. 3.

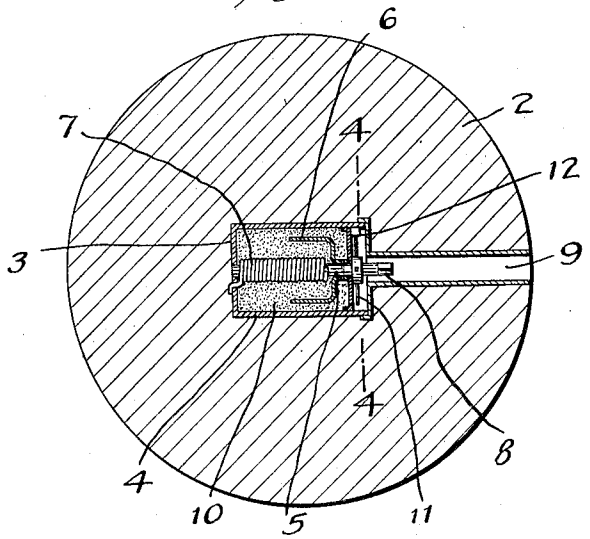
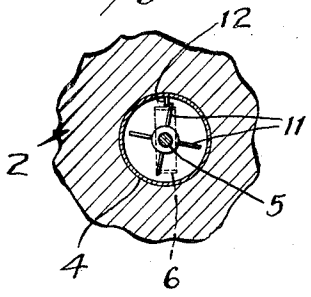


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SIGNAL BALL.

Application filed November 7, 1925. Serial No. 67,564.

My invention relates to game balls, and more particularly to golf balls. In playing golf a great deal of time is lost and much annoyance is caused by reason of balls being driven into the rough where it is difficult or impossible to find them; in addition to which the cost of lost balls mounts up to a substantial item.

The purpose of this invention is to overcome these and like drawbacks by providing a ball which will give a continuing signal.

In the accompanying drawing showing by way of illustration one particular embodiment of the invention—

Fig. 1 is a section through a ball showing the signal device in elevation;

Fig. 2 is an elevation of a golf ball embodying the invention, looking at the opening;

Fig. 3 is a section on an enlarged scale taken in the same plane as Fig. 1, showing the sounding device in section; and

Fig. 4 is a fragmentary section taken on the line 4—4 of Fig. 3.

The drawing shows a solid ball 2, specifically a golf ball, having embedded at its center a signal device 3. The particular nature of this device may be varied. The invention more especially contemplates, however, a sounding device operated by a spring adapted to be wound up or tensioned, and which is caused to give off its power slowly by acting against retarding means.

In the illustrative embodiment the device 3 comprises a tight casing 4, in which is a revoluble shaft 5 bearing arms 6. A spring 7 is connected at one end to the casing, and at the other end to the shaft, and the shaft extends at one end through the wall of the casing and is provided with a squared end 8 to receive a winding key (not shown) which is inserted through a radial tube or passage 9 in the ball. The interior of the casing is represented as filled with a viscous material 10, which will permit the spring to unwind slowly, over a suitable period.

The sounding elements may comprise resilient tongues 11 carried by the outer part of the shaft to engage a stationary pick 12 on the outer part of the casing, or vice versa. A vibrating tongue or tongues of this character, of proper material, will require very little power to actuate them, and are capable of giving off a small though sharp or penetrating sound, which emerging through the passage 9, will be sufficiently audible for the purpose. It is not necessary that the sounding means have a large range, since most balls are lost because it is impossible to see them in the grass or weeds when the searcher is close by.

Other embodiments of the invention may be devised.

What I claim as new is:

A golf ball containing a signal comprising a spring adapted to be wound, retarding means and sounding means to be actuated by the spring.

ADOLPH J. RUBIN.