

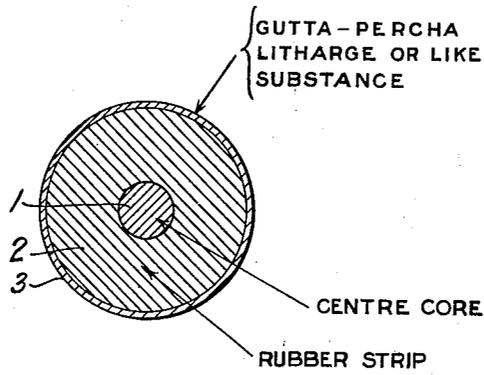
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W. G. MORRIS

GOLF AND SIMILAR BALL

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INVENTOR

WILLIAM GEORGE MORRIS,

By his Attorneys,

Beaman & Wright

UNITED STATES PATENT OFFICE.

WILLIAM GEORGE MORRIS, OF LONDON, ENGLAND.

GOLF AND SIMILAR BALL.

Application filed November 1, 1922. Serial No. 598,427.

To all whom it may concern:

Be it known that I, WILLIAM GEORGE MORRIS, a subject of the King of Great Britain, residing at 74 Merton Road, Wimbledon, London, England, have invented new and useful Improvements Relating to Golf and Similar Balls, of which the following is a specification.

This invention relates to golf or similar balls.

In the present manufacture of golf balls, the usual practice is to load the material of the centre portion or core of the ball. The weighted centre portion is then wound with rubber strip or tape under tension, and a cover of the material usually employed and known as gutta percha which generally consists of an admixture of gutta percha with balata rubber or other like substances is then applied and the cover painted to finish the ball.

It is found in practice that it is very difficult to construct the weighted centre so that it retains its symmetry during the winding operation and to locate the weighted centre symmetrically at the centre of the ball. These defects affect the flight of the ball and the object of the present invention is to obviate the defects and thereby improve the flight. The drawing is an enlarged sectional view of my improved golf ball.

According to this invention in place of loading the centre portion of the ball, I load the gutta percha material of which the cover is made. A material suitable for covering the ball is obtained by mixing litharge with the said gutta percha material, say in the proportion of equal parts by weight of litharge and gutta percha material. Tungsten powder of other like substance of high specific gravity may be used alone or in conjunction with litharge.

In the drawing, 1 indicates the central core, 2 indicates the winding made of a rubber strip, and 3 indicates the covering of gutta-percha, litharge, or like substance.

Where in the claims gutta-percha material is specified or gutta-percha it is understood that balata is considered an equivalent of gutta-percha or the usual mixture of gutta-

percha and balata or rubber, it being understood that the invention consists in providing a covering of the ball which is usually made of what is known as gutta-percha material or gutta-percha with a substance of high specific gravity such as litharge.

It is also to be understood that the term cover where used refers to the outer shell of the ball which is struck by the club.

What I claim is:—

1. A golf ball having a central portion of relatively light material and cover containing a mixture of "gutta-percha material" and a substance of high specific gravity.
2. A golf ball consisting of a central portion of relatively light material, a winding of rubber disposed around the central portion of the ball, and a cover for such winding composed of a mixture of "gutta-percha material" and a substance of high specific gravity.
3. A golf ball consisting of a central portion of relatively light material, a winding of rubber around the central portion of the ball, and a cover for such winding composed of a mixture of balata, gutta-percha and a substance of relatively high specific gravity.
4. A golf ball consisting of a central portion of relatively light material, a winding of rubber disposed around the central portion of the ball, and a cover for such winding composed of a mixture of "gutta-percha material" and litharge.
5. A golf ball having a central portion of relatively light material and cover containing a mixture of "gutta-percha material" and litharge.
6. A golf ball consisting of a central portion of relatively light material, a winding of rubber disposed around the central portion of the ball, and a cover composed of a mixture of balata, gutta-percha and litharge.
7. A golf ball consisting of a central portion of relatively light material, a winding of rubber disposed around the central portion of the ball, and a cover consisting of equal quantities of "gutta-percha material" and litharge.
8. A material for use in the manufacture

of covers for golf or similar balls, consisting of a mixture of "gutta-percha material" and a substance of high specific gravity.

9. A material for use in the manufacture
5 of covers for golf or similar balls, consisting of "gutta-percha material" admixed with litharge.

10. A material for use in the manufac-

ture of covers for golf or similar balls, made of a mixture of "gutta-percha material" 10 and litharge in equal proportions.

In testimony that I claim the foregoing as my invention I have signed my name this
23rd day of October, 1922.

WILLIAM GEORGE MORRIS.