

Dec. 2, 1924.

1,517,859

D. C. O'SHEA

BALL

Filed Dec. 1, 1922

Fig. 1.

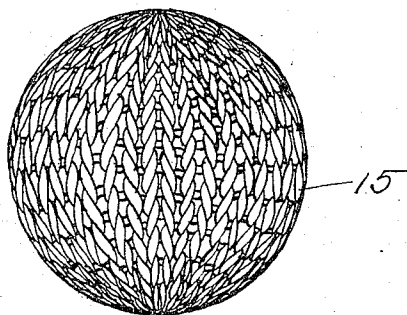


Fig. 2.

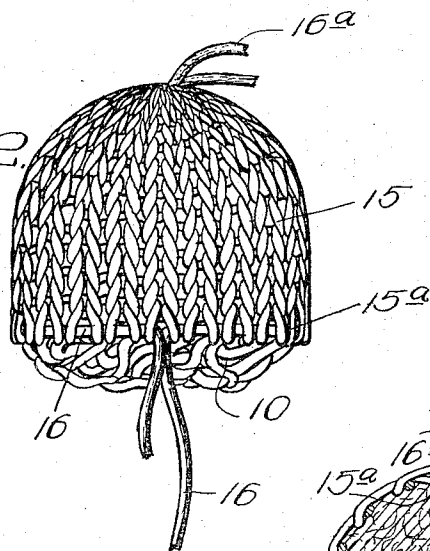


Fig. 3.

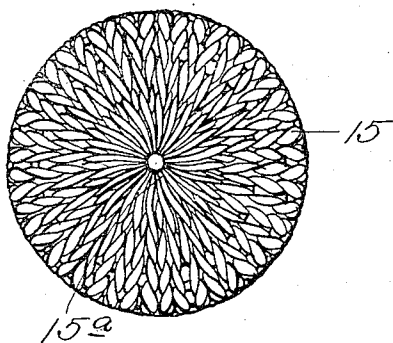
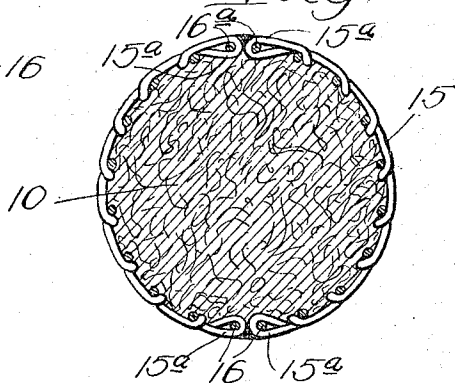


Fig. 4.



Inventor:

*Dennis C. O'Shea,
By *Dunlop, Co., Chicago, Ill.,
Attys.**

UNITED STATES PATENT OFFICE.

DENNIS C. O'SHEA, OF CHICAGO, ILLINOIS.

BALL.

Application filed December 1, 1922. Serial No. 604,210.

To all whom it may concern:

Be it known that I, DENNIS C. O'SHEA, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Balls, of which the following is a specification.

This invention relates to improvements in balls and more especially to a ball adapted for golf practice, indoor games, and the like. My improved ball is light in weight yet strong and durable, and will retain its spherical shape and preferred degree of resiliency. My improved ball also will be found to stand hard usage, such as violent strokes with a golf club, for a considerable length of time without serious damage. My improved ball being very light in weight, upon being struck by an instrument, such as a golf club, for example, will not travel a very great distance and will not have much momentum, therefore making it especially desirable for use in golf practice indoors, and the like. Other features and advantages of my invention will appear more fully as I proceed with my specification.

In that form of device embodying the features of my invention, as shown in the accompanying drawings, Figure 1 is a view of the completed ball in side elevation, Fig. 2 is a similar view showing the ball in the process of manufacture, Fig. 3 is a top plan view of the completed ball, and Fig. 4 is a vertical sectional view.

As shown in the drawings, the ball comprises a filling 10, which may consist of a wad of yarn, shoddy, cloth or any other suitable substance which may be formed or pressed into a substantially spherical shape and which has the desired weight of resiliency.

The cover of the ball is formed in the following manner. A short cylindrical tube, preferably of knit material, is provided. This tube may be knit the required length for the formation of one ball; or, as I have found preferable, a long tube may be knit and then cut into sections, each section being the required length for the formation of one ball. The cost of manufacture may be lessened by knitting a tube of considerable length and then cutting it into sections, since the knitting of such tubes may be easily and cheaply done. One of the sections, 15, of the required length of this knit

tubing, is then taken and provided at each end with a draw string, as indicated by 16 and 16^a. I have found it convenient and preferable to thread the draw string through the loops 15^a formed by the stitching of the knitting at the end of the tube.

In forming the ball, a requisite amount of filling 10, as described above, is placed within the tube 15, and the ends are then drawn up by means of the draw strings 16 and 16^a, thus closing the ends of the tube and forming the completed ball. In Figure 2, I have shown the draw string 16^a drawn up, thus forming one side of the ball, and the draw string 16 at the lower side of the ball as it would appear before the filling 10 is pressed into final shape and the string 16 drawn up to form the other side of the ball. After the strings 16 and 16^a are drawn up, they are suitably tied and the ends cut off, thus forming a completed ball, as shown in Figures 1 and 3.

While I have shown and described certain embodiments of my invention, it is to be understood that it is capable of many modifications. Changes, therefore, in the construction and arrangement may be made without departing from the spirit and scope of the invention as disclosed in the appended claims, in which it is my intention to claim all novelty inherent in my invention as broadly as possible in view of the prior art.

What I claim as new and desire to secure by Letters Patent, is:

1. A ball comprising filling material enclosed by a covering of tubular knit material and separate means for drawing the ends of said covering together.

2. A ball comprising filling of resilient material enclosed by a covering of tubular material and separate means for drawing the ends of said covering together.

3. A ball comprising filling of resilient material enclosed by a covering of tubular knit material and separate means for drawing the ends of said covering together.

4. A ball comprising filling material enclosed by a covering formed from a tube of knit material with the ends of said tube drawn together by draw strings passing through the stitch-loops at the ends of the tube.

Witness my hand and seal this 21 day of November, 1922.

DENNIS C. O'SHEA. [L. S.]