A. J. BATE.

PAINTING GOLF BALLS.

APPLICATION FILED OCT. 18, 1920.

1,382,615. Patented June 28, 1921.

Fig. 1.

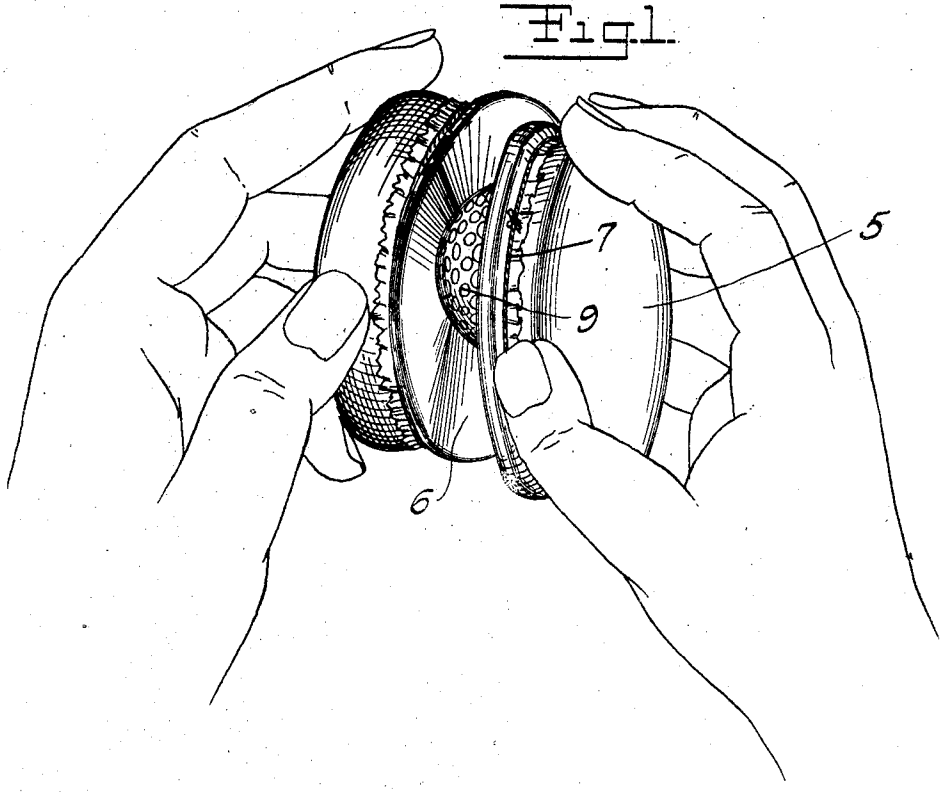


Fig. 2.

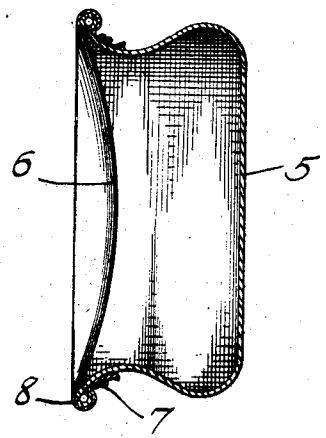
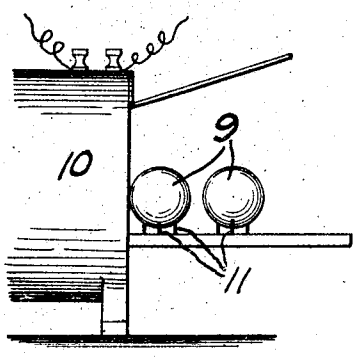


Fig. 3.



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UNITED STATES PATENT OFFICE.

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PAINTING GOLF-BALLS.

1,382,615. Specification of Letters Patent. Patented June 28, 1921.

Application filed October 18, 1920. Serial No. 417,560.

To all whom it may concern:

Be it known that I, ALFRED J. BATE, a citizen of the United States, and a resident of Yonkers, county of Westchester, and State of New York, have invented certain new and useful Improvements in Painting Golf-Balls, of which the following is a specification.

My invention relates to the painting of golf balls and particularly to restoring golf balls after the same have been in use for some time.

The objects of the invention are to provide a simple and practical method and apparatus by which the golf balls may be quickly and efficaciously painted over their entire surface.

In the accompanying drawing I have illustrated a simple form of apparatus for this purpose but wish it understood that the same may be modified more or less without departure from the true spirit and scope of the invention hereinafter defined and claimed.

Figure 1 is a perspective view of the paint applying devices as in actual use.

Fig. 2 is a central sectional view of one of the said devices.

Fig. 3 is a broken detail view of the form of electric oven for drying the paint.

The paint applying devices consist in the illustration of a hollow cup-shaped member 5 of a suitable size and form to provide a finger hand hold and across the open mouth of which there is stretched a diaphragm or layer 6 of a somewhat flexible and porous material, such as a soft leather. This material is held at its edges in the illustration by a cord 7 or the like secured back of the mouth of the cup which is shown formed for the purpose with a bead 8.

The paint applying surfaces 6 are of greater dimensions that the diameter of the golf ball and are supported somewhat loosely so as to assume under pressure a concave or dished formation so that when the two members are brought into opposition as shown in Fig. 1, the golf ball will be readily held therebetween, as indicated at 9.

In using the apparatus a quantity of paint is applied either to the ball or one or both of the paint applying surfaces, and with the ball held therebetween as in Fig. 1. The devices are relatively rotated bodily and eccentrically one with respect to the other. This gyratory motion causes the ball to rotate between the opposed members so as to bring its entire surface into contact with the paint applying elements and as these are concave, flexible and somewhat porous, the paint will be wiped and pressed into engagement with the entire surface and all irregularities in the exterior of the ball.

After this paint applying treatment, the ball is preferably subjected to heat so as to quickly dry and set the paint which has been impressed thereon. For this latter purpose, I preferably provide a drying oven which may be in the form of a relatively small electric oven, such as I have indicated at 10 in Fig. 3. In placing the balls in the oven, they are preferably supported so as not to dislodge or scratch the freshly painted surface to any appreciable extent, and for this purpose I have shown the balls as supported on triangularly arranged pins 11, the points of which contact with the ball only at three minute places.

After a short treatment in the drying oven, the paint will be found to have dried and set sufficiently for the balls to be removed, and after cooling, be handled and used in the regular way.

What I claim is:

1. Apparatus for painting golf balls and the like comprising a pair of frames of larger diameter than a golf ball, and covers of relatively flexible porous material stretched over the open mouths of the frames.

2. Apparatus for painting golf balls and the like comprising opposed diaphragms of relatively flexible and somewhat porous material, and hand holds supporting said diaphragms in concave or dished relation.

3. Apparatus for painting golf balls and the like comprising a pair of opposed concave members of leather-like material, and hand holds supporting said material in flexed concave relation.

In witness whereof, I hereunto set my hand this 14th day of October, 1920.

ALFRED J. BATE