

Oct. 6, 1931.

W. WOLLASTON

1,826,538

BILLIARD BALL

Filed March 19, 1928

FIG. 1

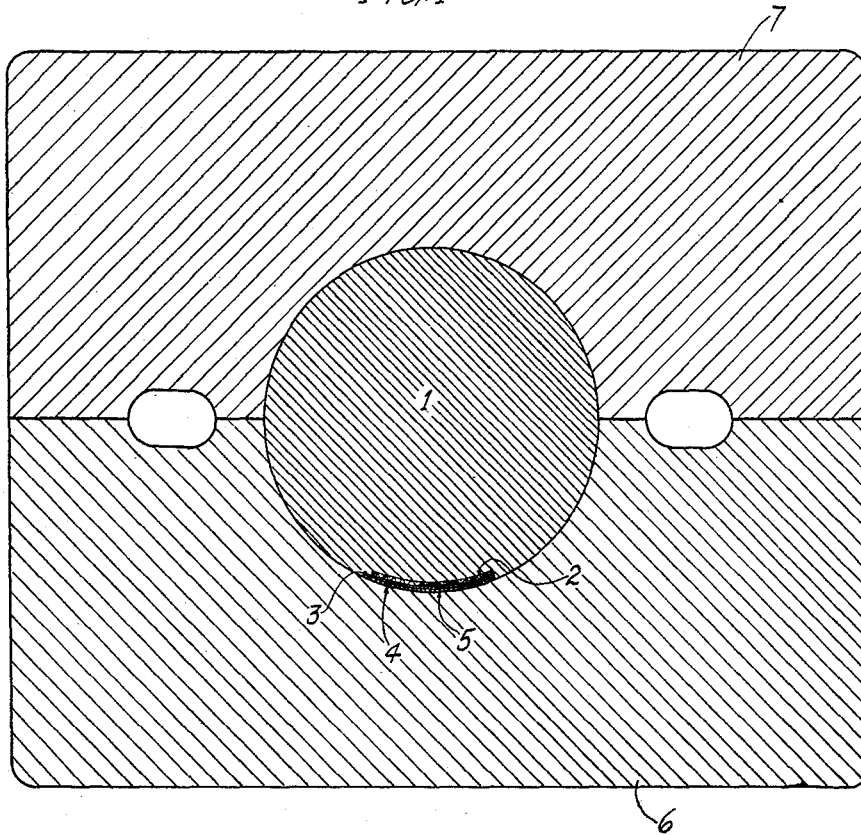
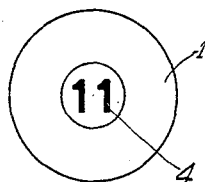


FIG. 2



INVENTOR
W. WOLLASTON
BY *James P. Shea*
ATTY.

UNITED STATES PATENT OFFICE

WALTER WOLLASTON, OF MUSKEGON, MICHIGAN, ASSIGNOR TO THE BRUNSWICK-BALKE-COLLENDER COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF DELAWARE

BILLIARD BALL

Application filed March 19, 1928. Serial No. 262,740.

My invention relates to balls and has a special relation to billiard balls.

One object of my invention is to provide a ball marker for indicating the denomination or number of a ball which shall be of such character that it may be embedded in the surface of the ball and will firmly adhere thereto.

Another object of my invention is to provide a marker of the described characteristics which shall be simple and inexpensive to manufacture.

A further object of my invention is to provide a simple process of manufacturing a ball and a marker of the character mentioned.

Other objects and advantages will appear as the description proceeds.

Referring to the accompanying drawings:

Figure 1 is a sectional view on an enlarged scale of a mold and a ball therein in its finished condition, and

Figure 2 is an elevational view of a ball.

The ball 1 is made of any suitable moldable composition of the kinds heretofore used for such purposes, such for instance, as shellac, phenolic condensation products, celluloid, etc., and has embedded therein a marker comprising a backing 2 which is made of fabric to insure its firm adhesion to the ball.

The backing has thereon a coating 3 which bears a printed character 4 for designating the denomination or number of the ball. The coating is of such a composition as to firmly adhere to the fabric backing and impart a smooth surface thereto and is of such a color as to cause the printed character to show up distinctly. It may be a pyroxylin lacquer or oil enamel or other similar substance.

The fabric is of such a material as to have a smooth surface when the coating is applied thereto, such for instance, as linen, cotton, wool, silk, rayon, etc.

Over the coating is an additional smooth transparent coating 5 of such substance, for

instance, as pyroxylin lacquer or an oil enamel.

Billiard balls made in accordance with the invention and composed of a shellac stock and having a marker with a white linen backing, a white coating of flexible pyroxylin lacquer bearing a character made with printers ink and an outer coating of transparent flexible pyroxylin lacquer were found to have exceptional properties. The flexibility of the lacquers render the coatings tough and prevent their cracking and chipping.

In making the markers and balls, a sheet of fabric has the coating 3 applied thereto in suitable manner as by brushing, spraying and dipping. Characters are printed on the coating 3, the outer coating 5 is then applied by brushing, spraying or dipping and the individual markers are stamped out from the sheet, each marker bearing a character.

Each marker is then placed in the bottom of a cavity in a mold member 6 with the fabric backing upwardly disposed, and stock is placed in the mold cavity, a complementary mold member 7 is applied to the stock, and the proper shape is thus given to the ball while at the same time the stock is caused to firmly unite with the fabric backing of the marker.

The invention is not limited to the details described which may be extensively modified without departing from the spirit of the invention and a substantial range of equivalents is contemplated within the scope of the appended claims.

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

1. A composition ball having embedded in its surface a marker comprising a fabric backing, a coating over said backing of a composition to adhere thereto, said coating having a character imprinted thereon for indicating the denomination of the ball and a coating of transparent composition over the first mentioned coating and said character.

2. A composition ball having embedded in

its surface a marker comprising a white fabric backing, a coating of white pyroxylin lacquer over said backing having a character printed thereon for indicating the denomination of the ball and a coating of transparent pyroxylin lacquer over the first mentioned coating and said character.

3. The process of making a marker for a ball which comprises coating a layer of fabric with a composition, printing a character on said composition and applying a coating of transparent material over the first mentioned coating and said character.

WALTER WOLLASTON.

15

20

25

30

35

40

45

50

55

60

65