

(No Model.)

G. H. BURT.
BILLIARD BALL.

No. 517,972.

Patented Apr. 10, 1894.

Fig. 1.

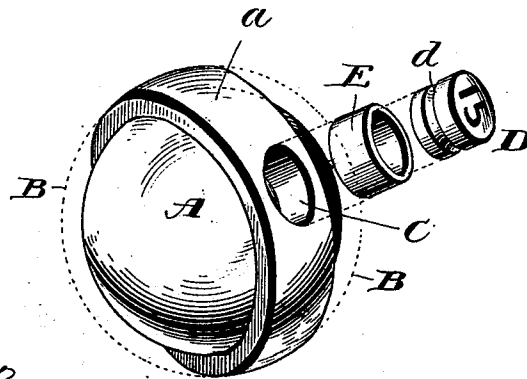


Fig. 2.

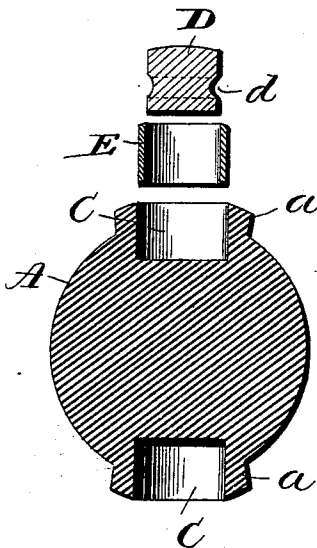
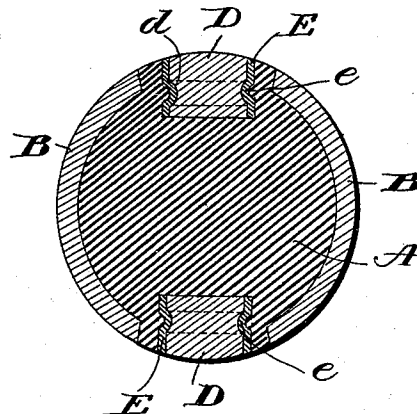


Fig. 3.



Witnesses
J. Williamson,
A. R. Hough

Inventor
George H. Burt,
By Franklin H. Hough,
His Attorney,

UNITED STATES PATENT OFFICE.

GEORGE H. BURT, OF MILLBURN, NEW JERSEY.

BILLIARD-BALL.

SPECIFICATION forming part of Letters Patent No. 517,972, dated April 10, 1894.

Application filed January 17, 1894. Serial No. 497,197. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. BURT, a citizen of the United States, residing at Millburn, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Billiard-Balls; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to composition balls for use in playing pool and other games, such as shown and described in my Patents Nos. 507,880 and 513,876.

The object of the present invention is to enable balls to be made by the employment of a lower temperature and less pressure than is the case with those shown in the said patents, thus rendering their manufacture quicker and cheaper and also obviating irregularities in the lines formed by the union of the differently colored parts, such irregularity being attributable to the high temperature and great pressure employed.

To the ends stated, and others to which the invention may pertain, the same consists in the ball, and in the method employed in making the same substantially as and for the purpose hereinafter specified and claimed.

In the drawings, Figure 1 is a perspective view of the main or foundation portion of the ball and the number spot and its encircling ring or tube separated; Fig. 2 a section through the same, and Fig. 3 a section through the completed ball.

The type of ball shown in the drawings is the same as that shown in my Patents Nos. 507,880 and 513,876, that is to say, one having a circumferential stripe at its middle portion through which the number spots of a different color appear. In making this ball, I form a composition by dies, or otherwise, a main or foundation portion of uniform color throughout comprising a spherical or globular part A of a diameter about one fourth of an inch less than the completed ball, and having

a circumferential enlargement *a* which forms the stripe in the finished ball, whose diameter is substantially that of the completed ball. The portions of the sphere each side of the enlargement *a* are covered by composition B, of a different color, by the employment of heat and pressure.

By forming the part A as described, the portions B, B can be made quite thin so that less heat and pressure are required than in the case of the balls as shown in my previous patents to fuse and unite the composition of the respective parts. To attach the number spots, a comparatively short round radial opening C is formed in the part A through the enlargement *a*, for each spot. The spot is in the form of a short cylindrical plug D having an annular groove *d*, between its ends, and with a short tube or shell E of uniform diameter throughout its length, encircling it is placed in its opening C at the time the parts B B of the ball are to be attached to the part A. The heat to which the parts thus assembled are subjected renders the material comprising the part A around the tube E, and said tube, plastic, and the pressure causes the portion *e* of the tube adjacent to the annular groove *d* in the plug to enter therein and also the indentation of said portion by the adjacent portion of the part A thus securely fastening the plug in place.

What I claim is—

1. A ball comprising a main spherical part having a circumferential enlargement and parts covering the same on both sides of the enlargement.

2. A ball having a circumferential enlargement and a number spot formed by an inserted plug having a cavity in its side and a tube encircling said plug and having its portion next the cavity pressed therein and parts covering the ball upon both sides of said enlargement.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. BURT.

Witnesses:

WILLIAM S. BLOSSINGHEN,
LEONARD F. BOLLMAN.