No. 724,470. PATENTED APR. 7, 1903.

H. L. HASKELL.

POOL OR OTHER LIKE BALL.

APPLICATION FILED FEB. 8, 1902. RENEWED JAN. 19, 1903.

NO MODEL.

Fig. 1

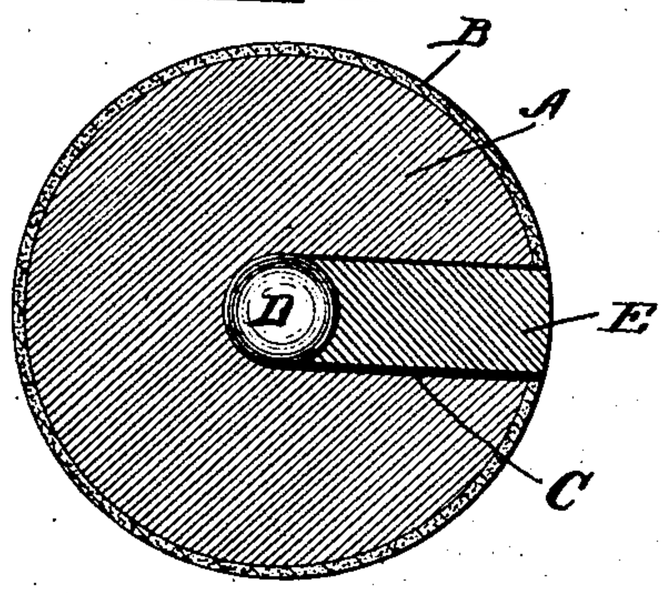


Fig. 2

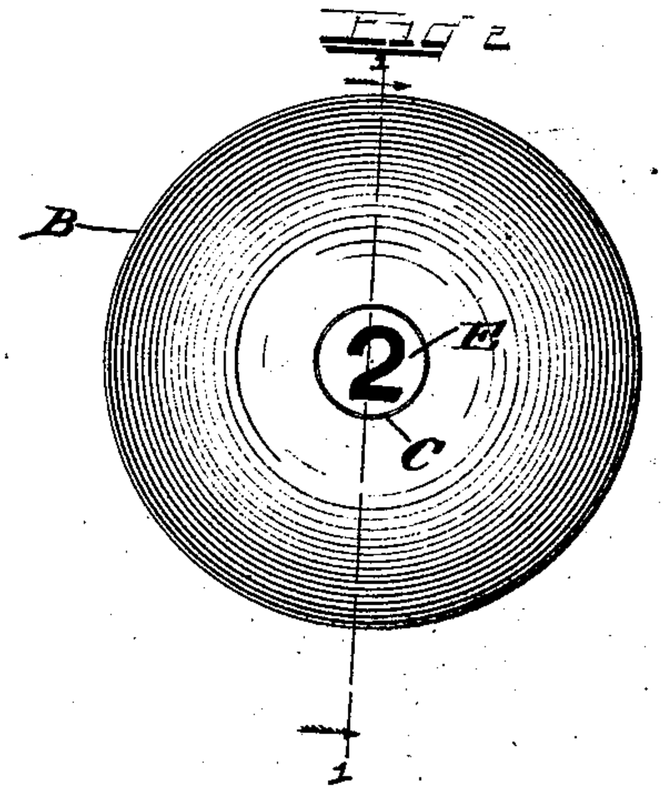


Fig. 3

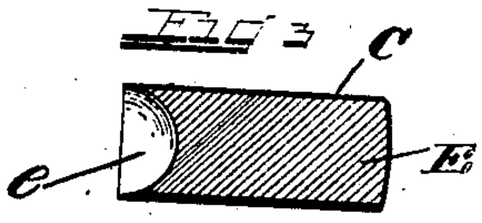


Fig. 4

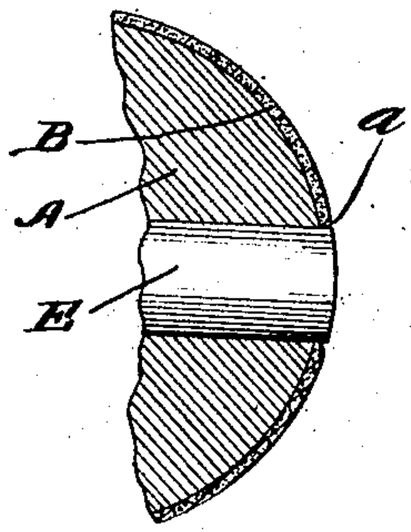
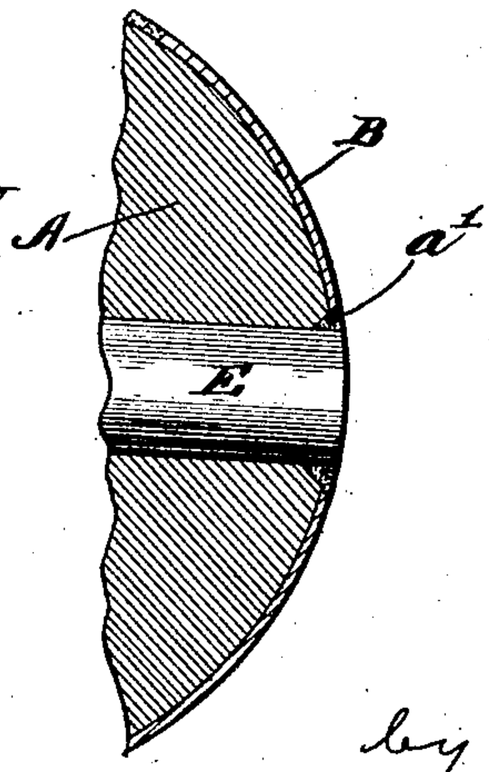


Fig. 5



WITNESSES

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POOL OR OTHER LIKE BALL.

SPECIFICATION forming part of Letters Patent No. 724,470, dated April 7, 1903.

Application filed February 8, 1902. Renewed January 19, 1903. Serial No. 139,645. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. HASKELL, a citizen of the United States, residing at Ludington, in the county of Mason and State of Michigan, have invented certain new and useful Improvements in Pool or other Like Balls, of which the following is a full, clear, and exact specification.

My invention relates to pool, billiard, and other like balls; and it has for its primary object to provide a ball of improved construction which will have a dead center and a live body and shall be more resilient than the celluloid or ivory balls heretofore used and at the same time will be less expensive.

With these ends in view my invention consists in certain features of novelty in the construction, combination, and arrangement of parts by which the said objects and certain other objects hereinafter appearing are attained, all as fully described with reference to the accompanying drawings and more particularly pointed out in the claims.

In the said drawings, Figure 1 is a sectional view of my improved ball, taken on the line 1 1, Fig. 2. Fig. 2 is an elevation thereof looking at the plug side of the ball. Fig. 3 is a longitudinal sectional view of the plug; and Figs. 4 and 5 are sections of a part of the ball, taken in the same plane as Fig. 1, but illustrating a slight modification, hereinafter explained.

The body portion A of the ball is composed of wood and is formed with a channel or bore extending from the center of the ball in order that a small weight, consisting of a ball D of iron, lead, or any other suitable material, may be placed in the center of the ball for giving it the requisite weight, the weight D being depended upon for the momentum and the wood A for the resilience of the ball. In order that the bore provided in the ball for the insertion of the weight D may be subsequently closed or filled uniformly around the weight D in such a manner that the ball will be of the same weight at all points throughout the wooden portion, this bore is filled with a plug E, which is also composed, preferably, of wood and of the same kind of wood as the body A, the inner end of the plug being cupped out, as shown at *e*, so as to be complementary in shape to the outer side of the ball D and accurately fill the space around the ball D. The plug E may be driven securely home in the bore in the body part of the ball and secured by any suitable means, such as glue. Preferably before the plug is driven into its bore, however, the body A of the ball is coated with a suitable composition or enamel B for imparting thereto a smooth and hard surface. The plug E being cylindrical may be used for producing the spot commonly employed on pool-balls, which bears the number of the ball, as appears in Fig. 2, and in order that this spot may be more distinct the plug E is preferably dipped in dye or painted on its sides before it is driven, so that after it has been driven and its outer surface dressed off a ring C will be produced around its outer edge by the cross-section of the dye. The outer end of the plug E may be colored or enameled the same as the body portion of the ball, if desired.

In the form of my invention shown in Figs. 4 and 5 the outer end of the bore for receiving the plug E is beveled or flared, as shown at *a*, so as to constitute a groove around the plug after the latter has been driven, and which groove may be filled with any suitable-colored material *a'* for producing the circle around the plug similar to that produced by the dye or coating of paint C.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. As a new and useful article of manufacture a ball comprising a live body portion having a single bore extending from the center thereof through the periphery of the body portion, a spherical weight located at the inner end of said bore and the center of said body portion and a plug composed of a lighter material than said weight, filling said bore to the periphery of the body portion, substantially as set forth.

2. As a new and useful article of manufacture a ball comprising a wooden body portion having a single cylindrical bore extending from the center thereof through the periphery of the body portion, a spherical weight of the same diameter as the bore located at the inner end of said bore and the center of said body portion and a plug composed of a lighter material than said weight, filling said bore to

the periphery of the body portion, substantially as set forth.

3. As a new and useful article of manufacture a ball comprising a body portion A composed of wood and having a bore extending from the center thereof through the periphery, a ball located at the inner end of said bore at the center of said body portion, and a cylindrical wooden plug E having its inner end cupped out and fitting in said bore and around the outer side of said inner ball, the outer end of said plug extending to the periphery of said body portion, substantially as set forth.

4. A ball comprising a ball-weight providing a dead center, a live body having a cylindrical bore of the same diameter as the ball-weight extending from the ball-weight to the periphery and a live plug filling the bore, substantially as set forth.

5. A ball comprising a ball-weight providing a dead center, a live wooden body having a cylindrical bore of the same diameter as the ball-weight extending from the ball-weight to the periphery and a wooden plug filling the bore, substantially as set forth.

HENRY L. HASKELL.

Witnesses:
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