No. 708,519. Patented Sept. 9, 1902.

C. T. BRADSHAW.

QUOIT.

(Application filed Oct. 17, 1898.)

(No Model.)

Fig. 1.

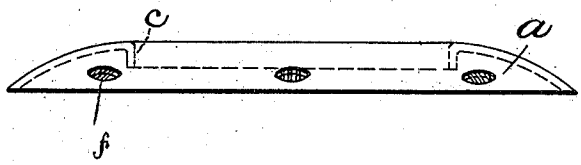


Fig. 2.

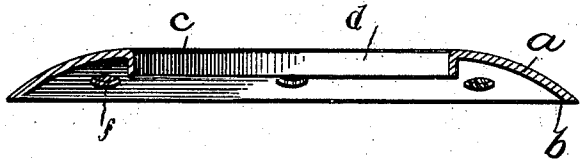
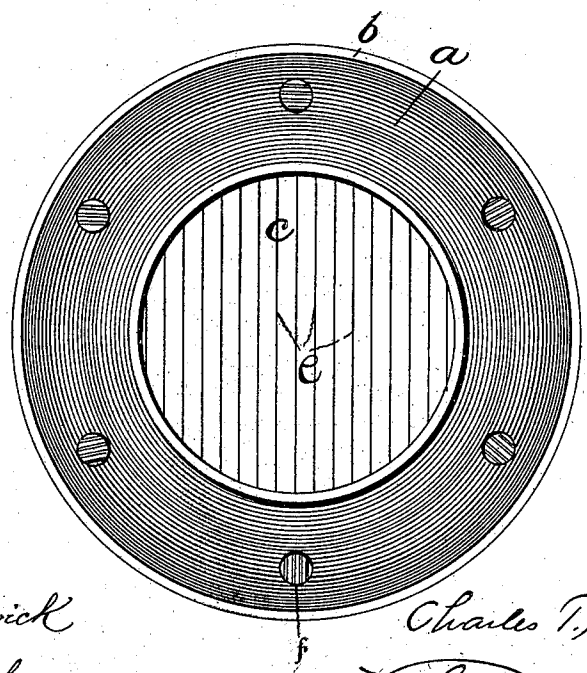


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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QUOIT.

SPECIFICATION forming part of Letters Patent No. 708,519, dated September 9, 1902.

Application filed October 17, 1898. Serial No. 693,827. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. BRADSHAW, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia, State of Pennsylvania, have invented certain new and useful Improvements in Quoits; and I do hereby 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.

My invention relates to games in general, and more particularly to the game known as "quoits," and has for its object to provide a quoit which shall be adapted for house use, which will be light in construction, and which, moreover, while being light will have such a physical structure as to insure its landing properly—*i. e.*, in the same manner as does the ordinary iron quoit.

A further object of my invention is to take advantage of the peculiar properties of my improved quoit to make it musical.

In the drawings forming a portion of my specification, and in which like letters of reference indicate similar parts in the several views, Figure 1 is a side view of my improved quoit. Fig. 2 is a vertical section of my invention; and Fig. 3 is a view of the under side of my quoit, showing a modification.

Referring now to the drawings, in operating in accordance with my invention I press from paper or other suitable substance a quoit *a*, semi-elliptical in cross-section, as shown, which quoit is merely a shell, having its periphery provided with a bead *b*, a circular opening *c* being formed centrally of the quoit. The edge of the opening *c* is curved inwardly and then extends vertically to form a flange *d*, which flange is annular and surrounds the opening. I have shown openings *f*, formed in the shell of the quoit, which openings having reeds *g* arranged across them for a purpose which will be presently explained.

In practice the quoits are pitched through the air at a hob *h*, which may consist of a circular plate *i*, marked with rings *j*, concentric with which is arranged a pin *k*, the lower end of which is continued through the disk and is provided with a screw or pin *l*, by means of which it may be firmly secured to the floor or carpet. The rings may be numbered to count different amounts in the game to be played.

When my improved quoit is used, it will be found that it has a parachute action, the air collecting within the shell and, being prevented from ready egress by the flange *d*, is compressed, and rushing upwardly through the opening *c* maintains the quoit in an upright position, which result cannot be secured with so light a quoit when the flange is omitted. When the openings *f* are employed, with their reeds, a portion of the compressed air rushes through the openings and vibrates the reeds, causing a pleasing musical sound. The openings *f* and their reeds may be omitted, and in place thereof threads *e* may be stretched across the opening *c*, having their ends secured to the flange *d*, as shown in Fig. 3, and the air rushing through the opening *c* will cause the threads to vibrate and give forth sound.

I do not claim, broadly, a hollow quoit, my invention lying in the arrangement of the flange *d* at the opening *c* to compress the air and secure the parachute action, together with the other novel features of the construction.

Having thus described my invention, what I claim is—

1. A quoit consisting of a dished shell having a central opening in its top and having a deflecting-flange at the edge of the opening and projecting downwardly into the inclosure of the shell beyond the edge of the opening, said flange lying in the path of air-currents passing upwardly against the inner face of the shell, to deflect said currents against air-currents passing upwardly through the opening of the quoit, to steady the quoit in its flight.

2. A quoit consisting of a shell having a central opening, a flange surrounding the opening, within the shell and extending parallel with the axis of the opening, and additional openings having reeds adapted to be vibrated by air passing through their respective openings.

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

CHARLES T. BRADSHAW.

Witnesses:
FRANK E. ENGELMAN,
CORNELIA REIS.