No. 678,265. Patented July 9, 1901.

A. A. LOW.

QUOIT.

(Application filed Jan. 4, 1901.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

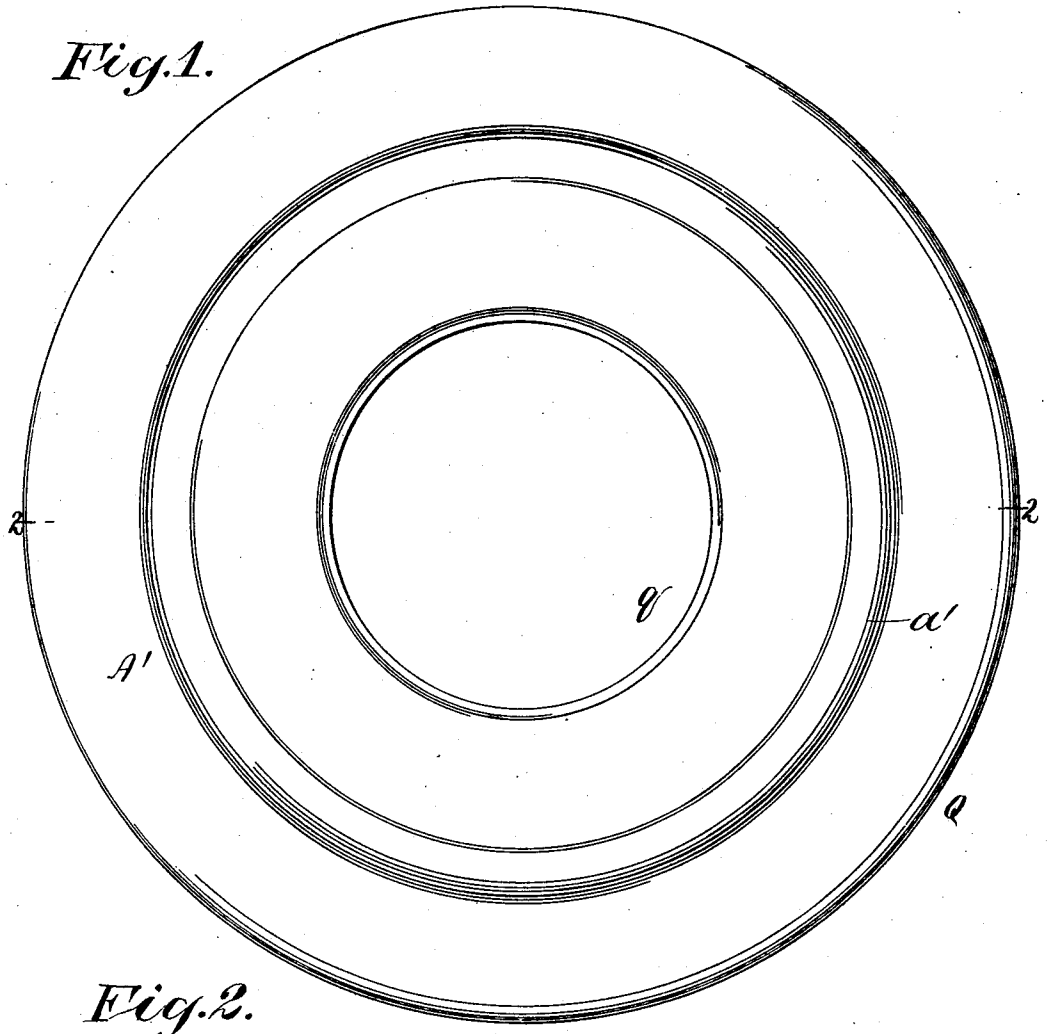
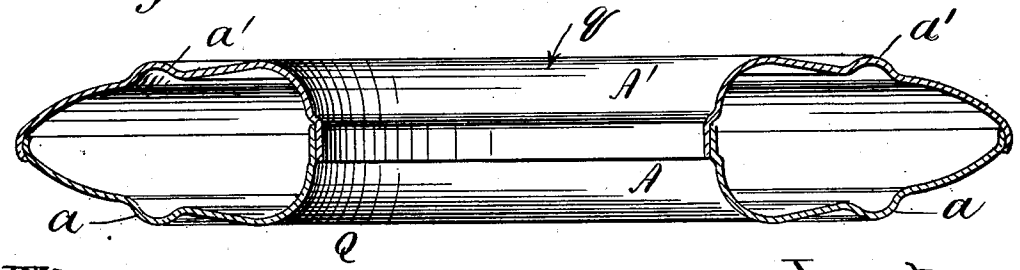


Fig. 2.



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(No Model.) 2 Sheets—Sheet 2.

Fig. 3.

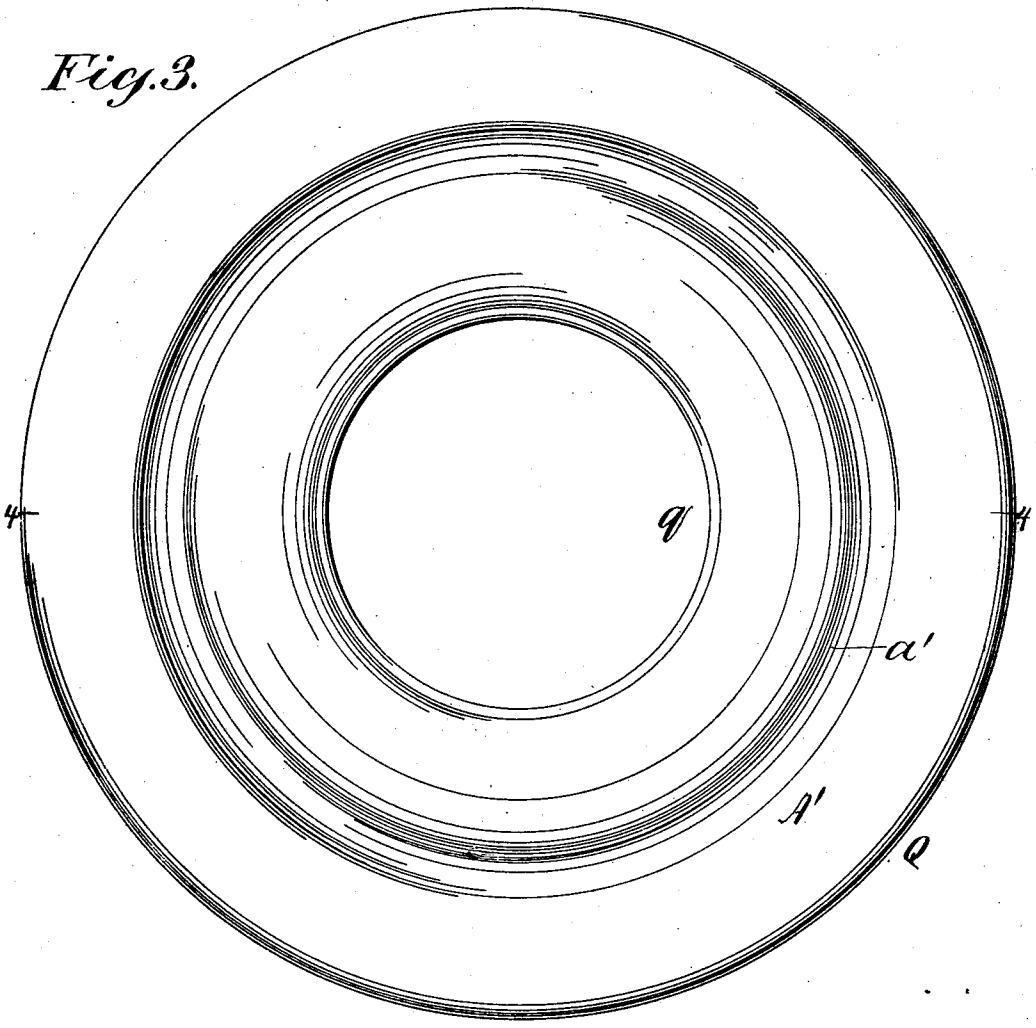
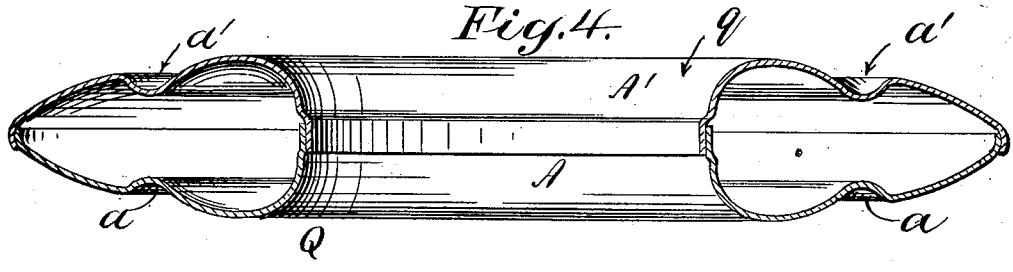


Fig. 4.



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UNITED STATES PATENT OFFICE.

ABBOT AUGUSTUS LOW, OF BROOKLYN, NEW YORK.

QUOIT.

SPECIFICATION forming part of Letters Patent No. 678,265, dated July 9, 1901.

Application filed January 4, 1901. Serial No. 42,079. (No model.)

To all whom it may concern:

Be it known that I, ABBOT AUGUSTUS LOW, a citizen of the United States, residing in the city of New York, borough of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Quoits, of which the following is a specification, sufficient to enable others skilled in the art to which the invention appertains to make and use the same.

My invention relates to quoits made of metal and designed for use in the game known as "quoits;" and it consists in the special construction of parts hereinafter described and claimed specifically.

The object of the invention is to attain a light, graceful, and convenient device fulfilling all the requirements of the game while avoiding objections inherent in the older structure. The device consists of a metallic quoit formed of two annular plates of sheet metal, each stamped into concavo-convex shape, with a stiffening-corrugation, the plates being secured together at their edges with their concave surfaces opposed to each other, and the coinciding corrugations in the plates performing a double function, in that they stiffen and strengthen the quoit while facilitating the handling and manipulation thereof by affording a better hold or purchase for the hand of the user.

In the accompanying drawings, Figure 1 is a plan of my improved quoit. Fig. 2 is a section upon plane of line 2 2, Fig. 1. Fig. 3 is a plan of the quoit, and Fig. 4 a section upon plane of line 4 4, Fig. 3.

In the accompanying drawings I illustrate two configurations of my new quoit which are essentially the same in principle, although I do not wish to limit myself strictly to either of the configurations shown, since it is obvious that modifications in form may be resorted to without departing from the spirit and intent of my invention, the essential and distinguishing feature of the quoit being the opposed stamped metal plates united together at the edges and formed with coinciding beads or corrugations for the purpose hereinbefore stated.

Q represents the quoit as a whole, formed with the central opening *q* to allow the quoit to encircle a hub when a "ringer" is made. The quoit Q is formed of two concavo-convex sheet-metal plates A A', stamped into shape, with stiffening-corrugations *a a'* at or near the middle of each plate. These corrugations *a a'* may be internal, as in Figs. 3 and 4, or external, as in Figs. 1 and 2, the result being essentially the same in either case—that is to say, the corrugations *a a'* stiffen and strengthen the plates A A' and at the same time afford a hold or purchase for the fingers of the user.

It is to be understood that the overlapping edges of the plates A A' are secured in any well-known and desired manner. I thus attain a quoit of the required surface and shape which is hollow, strong, and durable.

It will be seen that both the inner and the outer edges of the corrugated metallic plates A A' are united, thus forming a continuous sealed shell of annular structure, since the plates themselves are continuous and unbroken by openings of any kind, excepting only the inner circular ringer-opening of the quoit. By bringing the inner edges of the plates together and sealing them, as well as the outer edges of the plates, I exclude all extraneous matter and attain a clean, strong, but light quoit of uniform weight.

I am aware that it has been proposed to use dish-shaped "quoitets," as in the patent to De Casto of January 19, 1875; also, that leather-bound quoits filled with various materials have been suggested; but my device is essentially different, in that it is a continuous hollow annular shell composed of corrugated sheet-metal plates the concave surfaces of which are opposed and the inner and outer edges of which are sealed to secure the plates and exclude extraneous matter from the hollow interior of the quoit thus formed.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. As an article of manufacture, a hollow quoit consisting of two corrugated concavo-convex metallic plates having their concave surfaces opposed to each other, and having their inner and outer edges united to form a continuous closed annular shell, substantially in the manner and for the purpose set forth.

2. As an article of manufacture, a hollow quoit consisting of two concavo-convex metallic plates formed with coinciding corruga-

tions, said corrugated plates having their concave surfaces opposed to each other, and being united at their inner and outer edges to form a continuous closed annular shell, for the purpose and substantially in the manner set forth.

3. As an article of manufacture, a hollow quoit consisting of two concavo-convex metallic plates having their concave surfaces opposed to each other, and formed with overlapping inner and outer edges which are secured together to form a continuous closed annular shell, substantially in the manner and for the purpose set forth.

4. As an article of manufacture a quoit consisting of the two concavo-convex metallic plates A, A′, with their concave surfaces opposed to each other, and having their overlapping edges united to form a continuous closed shell, said metallic plates A, A′, being formed with coinciding corrugations *a*, *a*′, for the purpose and substantially in the manner described.

ABBOT AUGUSTUS LOW.

Witnesses:
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