

J. L. BEEBOUT.
BASKET BALL AND SIMILAR PLAYING BALL.
APPLICATION FILED FEB. 7, 1916.

1,187,029.

Patented June 13, 1916.

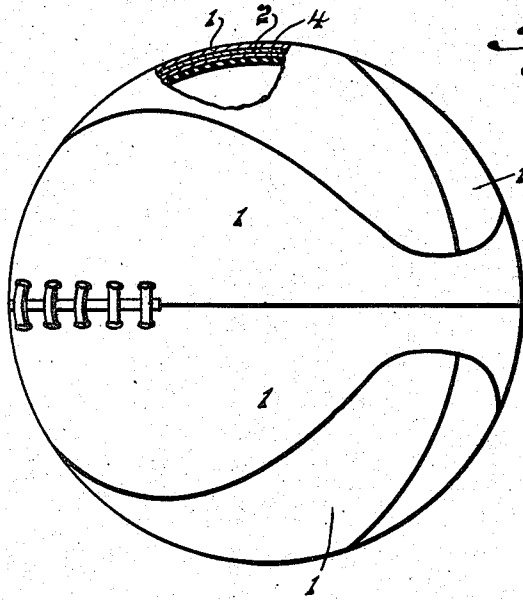


Fig. 1.

Fig. 2.

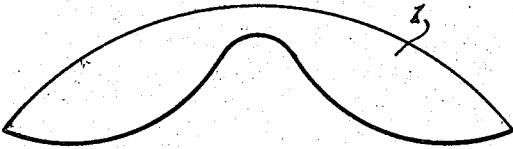


Fig. 3.

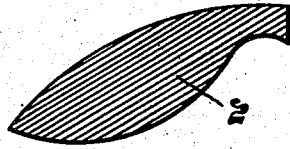


Fig. 4.

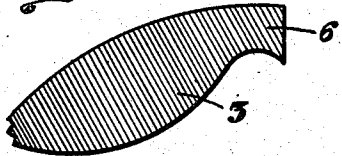


Fig. 5.

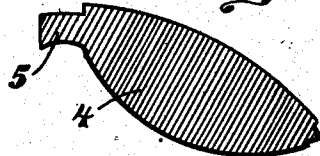


Fig. 7.

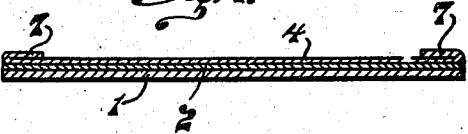


Fig. 6.

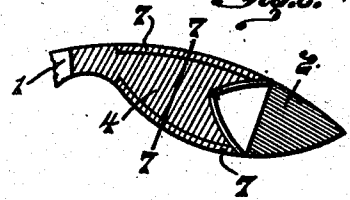


Fig. 8.



Witness

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BASKET-BALL AND SIMILAR PLAYING-BALL.

1,187,029.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JAMES L. BEEBOUT, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a new and useful Basket-Ball and Similar Playing-Ball, of which the following is a specification.

This invention relates to the casings of basket balls and similar playing balls made of sections of leather sewn together and provided with an inflatable bladder and has more especial reference to the construction of the lining provided within the leather casing of the ball.

In the use of basket balls, foot balls, striking bags and the like, the rules of the games require the balls to be of a certain size and shape and at the same time they must retain their resiliency and must not exceed a certain weight.

It is, of course, generally understood that different pieces of leather, even when taken from the same hide, do not stretch evenly and for this reason the usual manner of constructing balls of this character is to provide a lining of duck, drill or other fabric upon the inner side of the leather casing. Any one acquainted with the manufacture and construction of fabrics of this character is of course aware of the fact that the woof threads of the fabric will stretch to a greater degree than the warp threads, thus a ball lined with fabric in the manner generally in use at present will not expand evenly when the rubber bladder contained therein is inflated.

The object of this invention is to remedy the fault and to so construct the lining of the balls that when inflated they will retain their proper shape and size.

The object of this invention is attained by lining each section of leather, of which the casing of the ball is composed, with two layers of fabric, preferably placed in such a position with relation to each other that the warp threads of one layer are located at right angles to the warp threads of the other layer.

With these objects in view the invention consists in the novel construction and arrangement of parts, hereinafter described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that various changes in the form, proportions, size and minor details of construction may be made

within the scope of the appended claims, without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing: Figure 1 shows a perspective view of a basket ball constructed in accordance with my invention, a portion of the casing being broken away for the purpose of illustration. Fig. 2 is a plan view of one of the sections of leather which form the casing. Fig. 3 is a plan view of one of the sections of fabric which is placed next to the leather. Figs. 4 and 5 are plan views of the two sections of fabric which form the outer layer. Fig. 6 is a plan view of a portion of one of the leather sections upon which the two layers of lining have been placed, a portion of the outer layer being turned back to show the inner layer. Fig. 7 is a sectional view on a large scale upon the line 7-7, Fig. 6. Fig. 8 is a sectional view showing the manner of connecting the edges of two adjacent sections.

Similar numerals of reference indicate corresponding parts throughout the several figures of the drawing.

In the accompanying drawing, a basket ball has been illustrated, but it will of course be understood that this construction is equally well adapted to foot balls, striking balls or similar articles.

The numeral 1 indicates one of the leather sections, four of which are used in the construction of a basket ball, such as shown in Fig. 1. Two sections of fabric such as indicated by the numeral 2, each of said sections being of a size and shape to cover one-half of the section 1, are placed upon the inner face of each of the sections of leather, being preferably attached thereto by cement or other suitable means, thus completely covering the inner face of the leather section, the edges being preferably trimmed flush with the edges of the leather. The fabric sections 3 and 4 are then placed one upon each of the sections 2 and are preferably cemented thereto. The reduced neck portion 5 of the section 4 is lapped over the reduced portion 6 of the section 3 and as each of these outer sections of lining is of greater width than the leather or inner sections of lining, the overhanging edges are turned inwardly and cemented upon the face of the fabric forming seams 7. The sections 4 are provided with reduced portions 5 for the purpose of preventing the seams overlap-

ping as such a construction would provide too great a thickness of the fabric making the ball dead at that point. When each of the sections of the leather casing has thus been lined, as above described, the sections
5 are sewed together along their edges as illustrated in Fig. 8, thus forming a complete ball such as shown in Fig. 1, after which the inflatable bladder may be placed therein and
10 inflated.

By constructing a ball as above described, the stretch of the casing will be equalized as near as is possible, the warp threads of the two layers of lining being located at
15 right angles to each other, thus preventing any considerable stretch in either direction. Suppose the warp threads of the fabric used would stand a strain of fifty pounds and the woof threads would stand a strain of twenty
20 pounds, then the combined strength of the two layers of lining would be seventy pounds in each direction.

Although the drawings and above specification disclose the best mode in which I
25 have contemplated embodying my invention I desire to be not limited to the details of such disclosure, for, in the further practical application of my invention, many changes

in form and construction may be made, as circumstances require or experience suggests, without departing from the spirit of the invention, within the scope of the appended claims.

I claim:

1. In an inflatable ball, the combination 35 with an outer casing and an inflatable bladder within said casing of a lining for said casing comprising two layers of fabric, the warp threads of one layer crossing the warp threads of the other layer. 40

2. In an inflatable ball, the combination 40 with an outer casing formed of a plurality of sections, the seamed edges of which are turned inward, and an inflatable bladder within said casing, of a lining for each of
45 said sections of said casing, said lining comprising two layers of fabric connected to each other and to the section of the casing, the edges of one of said layers of fabric being turned inwardly upon the face of the
50 fabric forming a seam, the warp threads of one layer crossing the warp threads of the other layer.

In testimony that I claim the above, I have hereunto subscribed my name.

JAMES L. BEEBOUT.