

No. 827,490.

PATENTED JULY 31, 1906.

W. G. WOOD.  
EXERCISING BAG.  
APPLICATION FILED JULY 24, 1903.

Fig. 1.

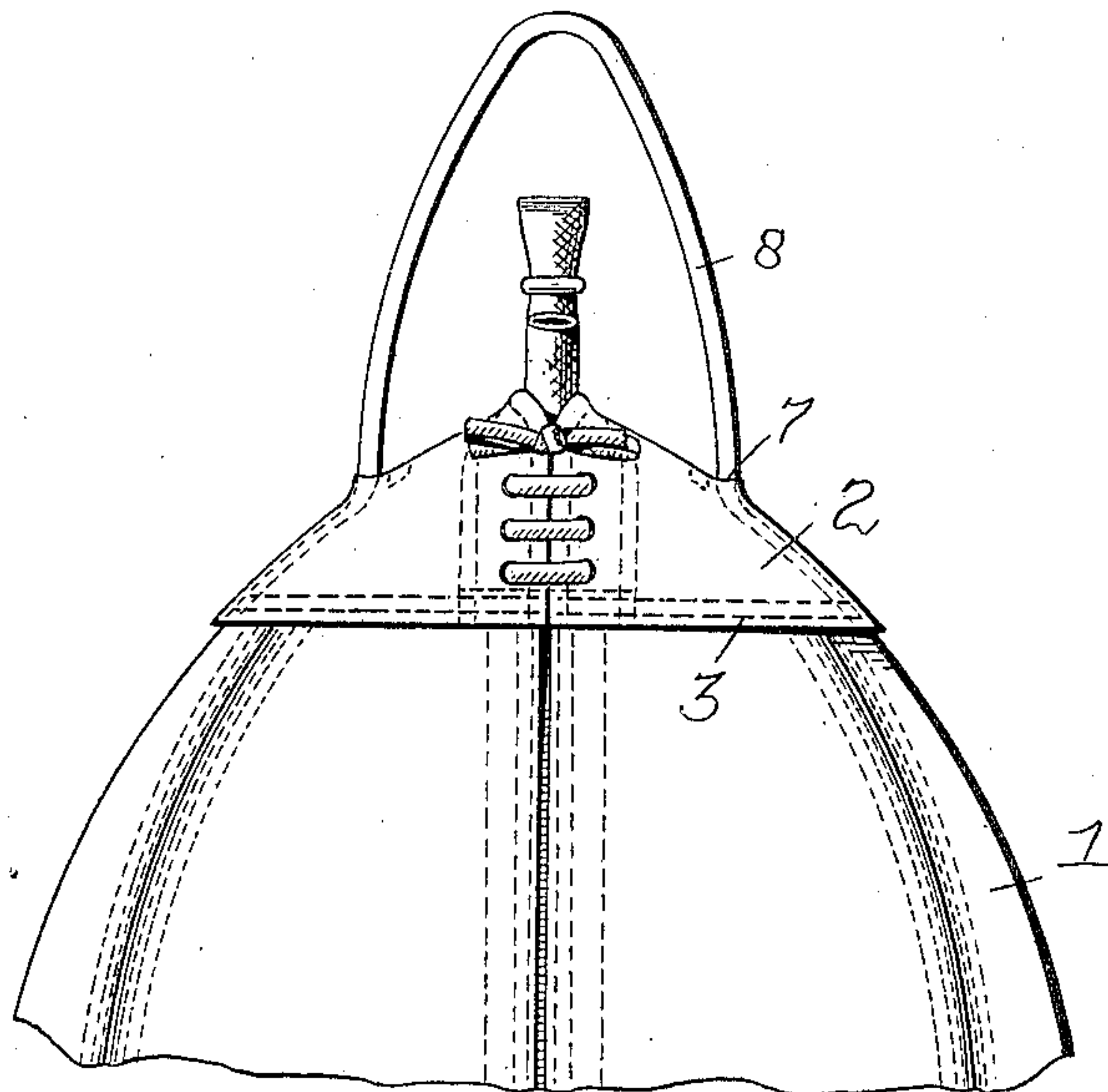
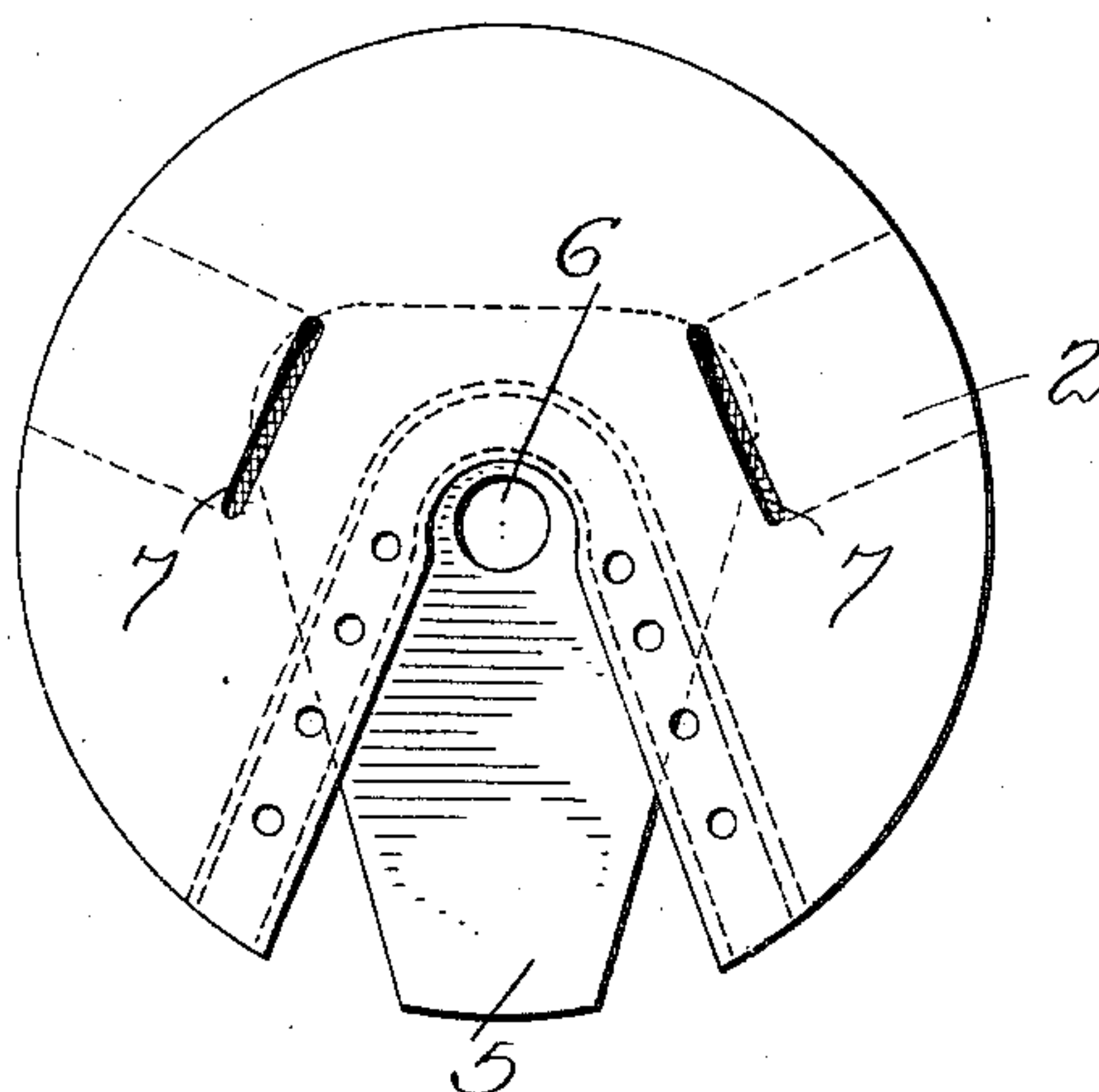


Fig. 2.



Attest:  
Commerton  
Malcolm Donaldson

Inventor:  
William Graham Wood.

by Spears & Seely  
Attys.

# UNITED STATES PATENT OFFICE.

WILLIAM GRAHAM WOOD, OF SAN FRANCISCO, CALIFORNIA.

## EXERCISING-BAG.

No. 827,490.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed July 24, 1903. Serial No. 166,878.

*To all whom it may concern:*

Be it known that I, WILLIAM GRAHAM WOOD, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Exercising-Bags, of which the following is a specification.

My invention relates to exercising-bags—such as striking-bags, foot-balls, and the like—in which an outer casing composed of some tough durable material, such as leather, incloses an inner inflatable bag, by the inflation of which both the inner and outer structures are expanded.

The invention relates more particularly to the cap for closing the upper open end of the outer receptacle. Such a cap has been constructed of a circular piece of leather having a slit extending transversely and entirely within its edges and secured to the bag by stitching, the slit being afterward closed by a lacing. The disadvantage of such caps has been the difficulty of fitting them to bags of different shapes, and they have always, so far as I am aware, formed a flat top for a bag of a rounded shape, whether spherical, pear-shaped, or elliptical.

The object of my invention is to so construct the cap that it will conform to the shape of any bag to which it is applied and will complete the bag in the form or shape originally designed for it and which can be more easily applied and fitted to the bag than those heretofore used.

In the accompanying drawings, Figure 1 shows an elevation of a punching-bag provided with my improved cap. Fig. 2 is a plan view of the cap.

In the drawings I have not considered it necessary to show the inner inflatable bag, because the construction of the latter is well known and forms no part of my invention, which relates only to the manner of fitting the end cap to the outer bag.

Throughout the drawings, 1 represents the outer bag, which is composed of a number of sections of some tough durable material, such as leather. The cap 2 is a circular piece of leather secured at one end of the ex-

ternal bag by rows of stitching 3. This cap instead of having a slit formed transversely within its edges is gored from the center entirely through its edge, as shown in Fig. 2. The width of the gore or cut-out portion will depend upon the size of the bag and the depth of the cap, and in practice I have usually found it expedient to employ what I term a "try-cap," which is simply a pattern provided with a radial slit which is fitted to the body of the bag and adjusted so as to determine the proper measurement for cutting out the cap itself. After this preliminary fitting the operator determines the width of the gore to be cut in the cap and then proceeds to fit the actual cap to the bag. A cap gored in this manner will adjust itself and conform to the shape of the main body of the bag instead of, as heretofore, forming a flat termination of such bag at one end. I prefer to form an enlargement of the slit or gore at the center to allow the tube of the inner inflatable bag to pass through. The bag and cap are provided with a tongue 5, having a hole 6, such tongue being stitched along with the cap to the bag itself in such position that the hole in the tongue below the cap will be in place to allow the inflated tube to pass through it. The cap is provided with pockets 7, within which the suspension-loop 8 is firmly stitched. This loop is adapted to receive and be supported by a suspension-rope which may be tied around it or which may pass through it, as may be preferred. Of course in the case of a foot-ball such a loop would not be used; but in striking-bags some support of the kind is necessary for the suspension of the bag.

The advantages of my invention lie partly in the fact that the cap is more easily fitted to the bag no matter what the shape of the latter may be and also the fact that the shape of the bag is completely finished in its proper rounded form instead of with a flat end, as heretofore.

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

As a new article of manufacture, an exercising-bag of curvilinear form, having a cap



fitting over an end of the same, said cap comprising a circular piece of material, having two slits for the passage of the suspending-loop and a central hole for the passage of the  
5 inflation-tube and a triangular opening extending from said hole to the edge and a lacing for closing said triangular opening, substantially as described.

In testimony whereof I have affixed my signature, in presence of two witnesses, this 10  
7th day of July, 1903.

WILLIAM GRAHAM WOOD.

Witnesses:

F. M. BURT,  
L. M. SEELY.