

No. 698,395.

Patented Apr. 22, 1902.

C. W. DUDLEY.
SUPPORT FOR PUNCHING BAGS.

(Application filed Feb. 6, 1901.)

(No Model.)

Fig 1

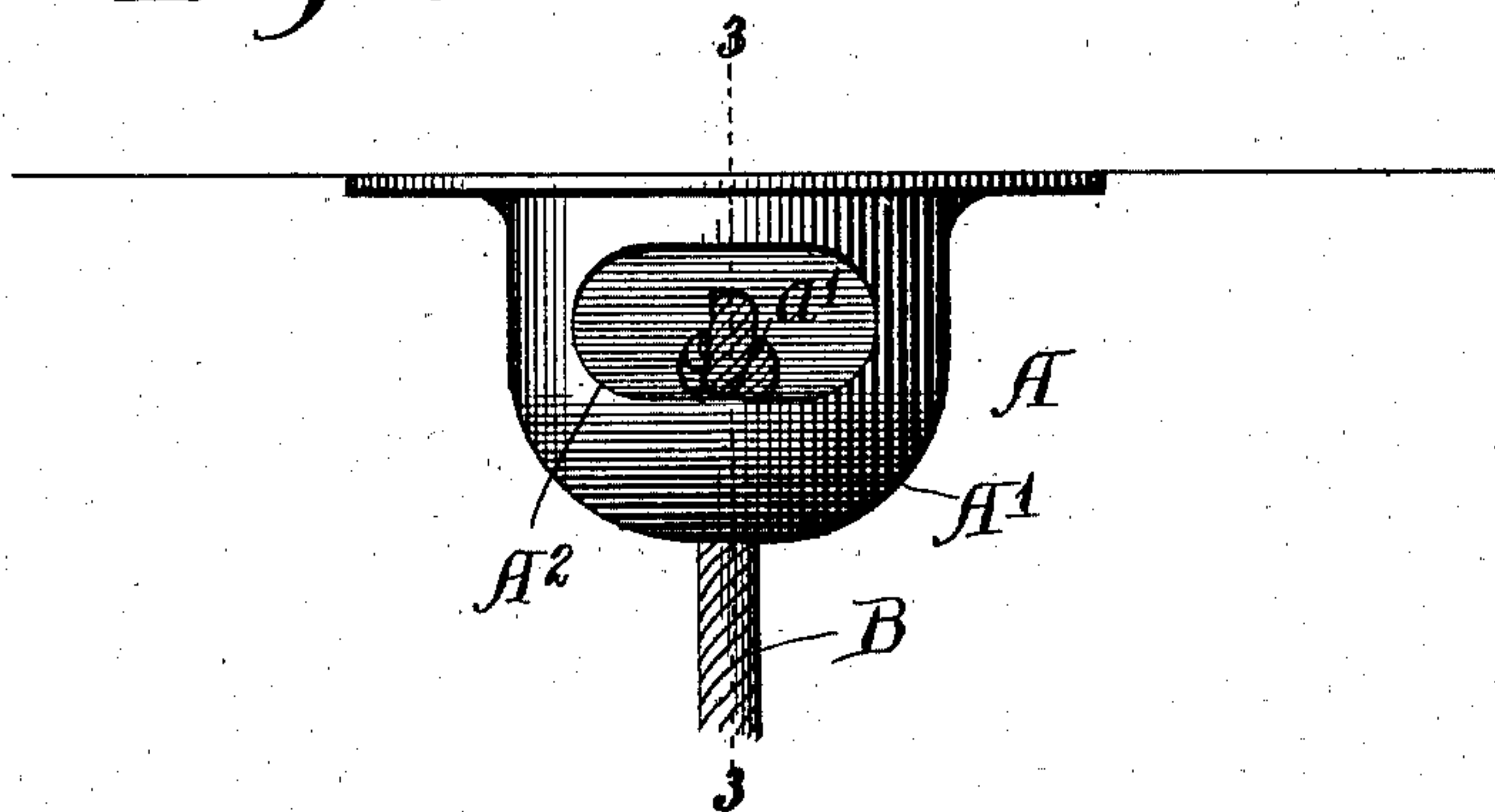


Fig 2

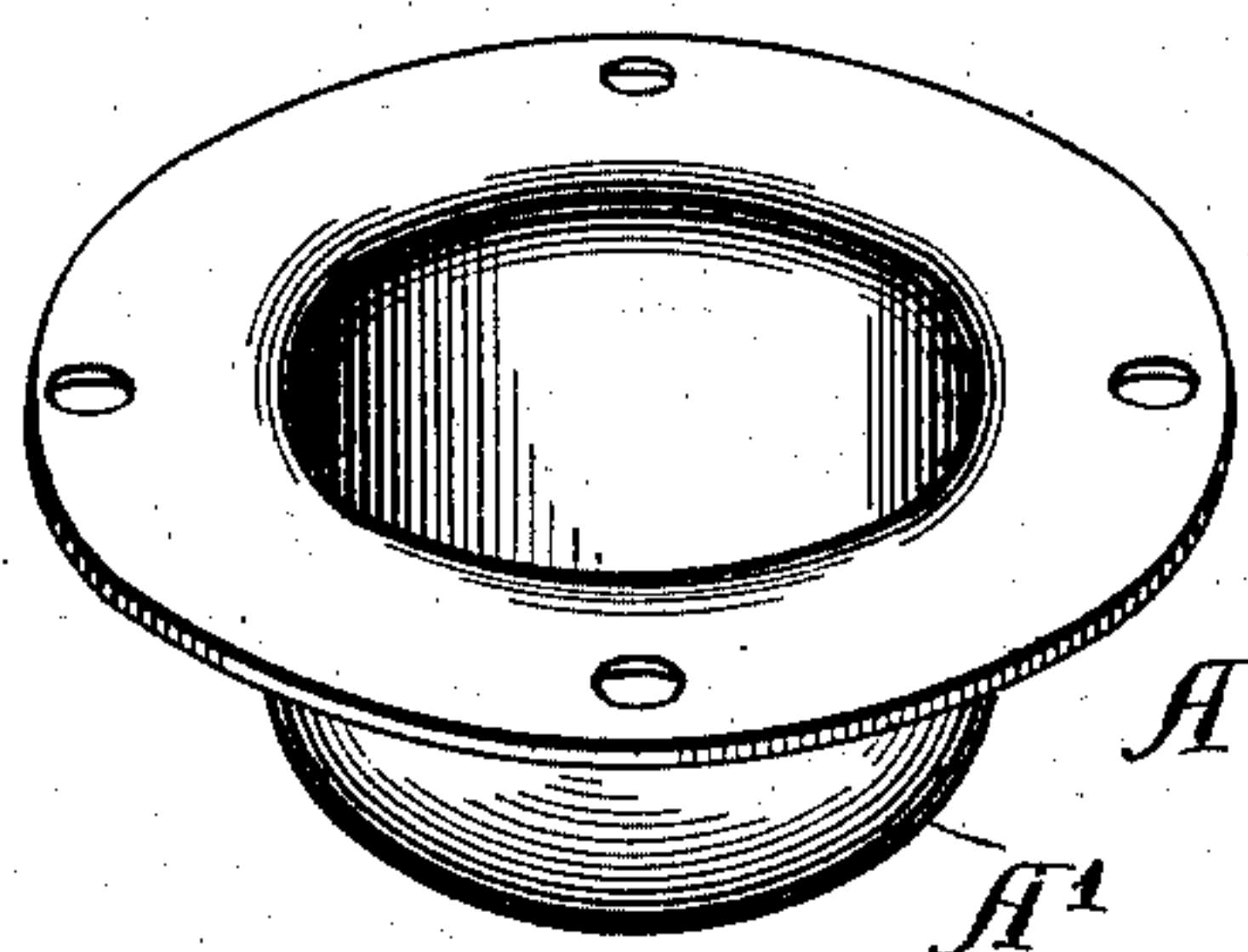
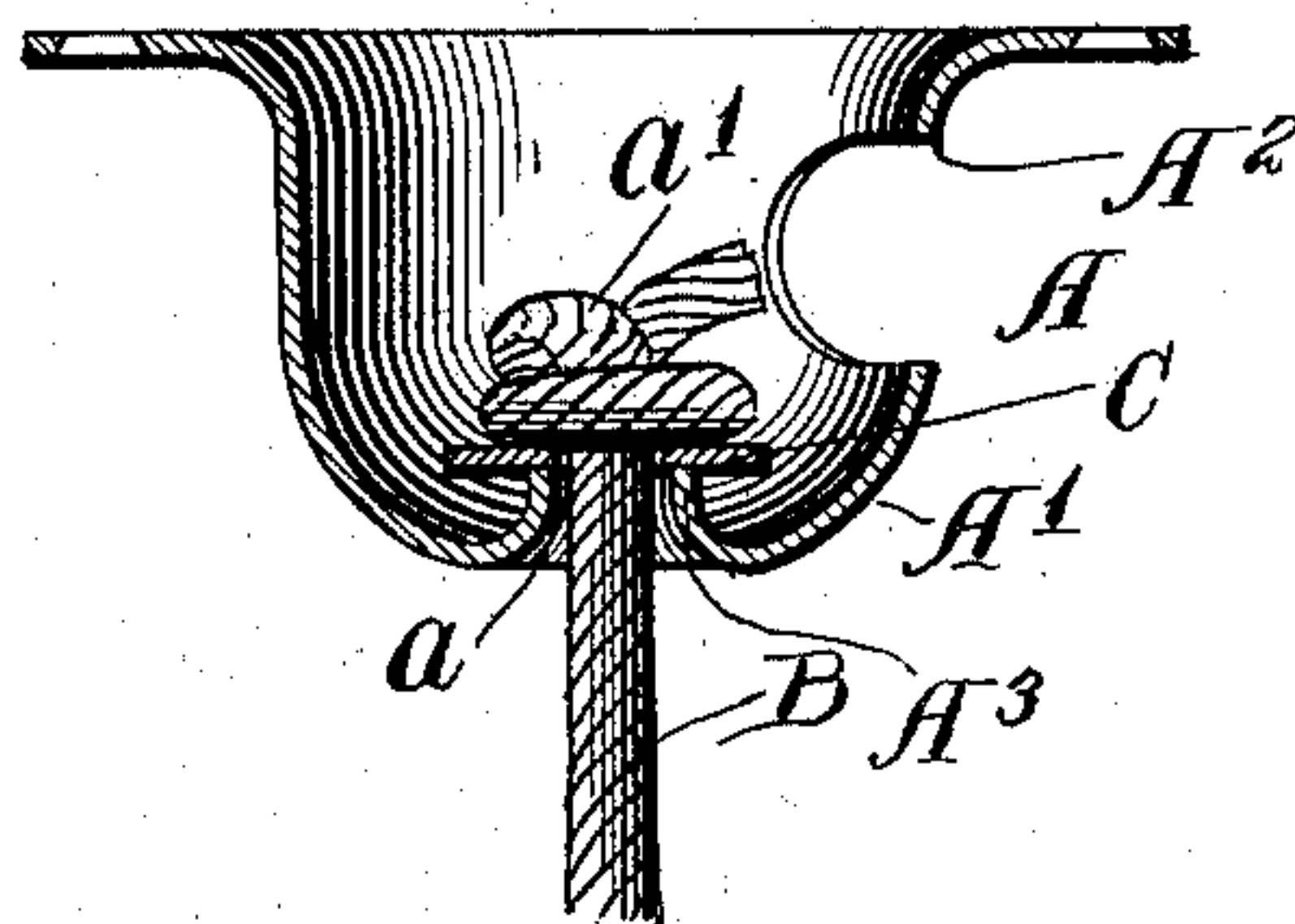


Fig 3



Witnesses:-

Carl H. Crawford
William L. Hall

by Poole + Brown

Inventor:-

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UNITED STATES PATENT OFFICE.

CORY W. DUDLEY, OF CHICAGO, ILLINOIS.

SUPPORT FOR PUNCHING-BAGS.

SPECIFICATION forming part of Letters Patent No. 698,395, dated April 22, 1902.

Application filed February 6, 1901. Serial No. 46,186. (No model.)

To all whom it may concern:

Be it known that I, CORY W. DUDLEY, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Supports for Punching-Bags; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to a novel support for punching-bags constructed to afford swiveling connection of a punching-bag cord to an overhead structure.

Among the objects of the invention is to simplify the construction of said supports and to provide a support wherein the friction between the support and the suspending-cord is lessened, whereby the cord may be made to swing freely and the life of the cord lengthened.

In the drawings, Figure 1 illustrates a suspended punching-bag cord and a swiveling support therefor made in accordance with my invention. Fig. 2 is an enlarged perspective view of said support. Fig. 3 is an axial section thereof on line 3 3 of Fig. 1.

As shown in said drawings, A designates the support as a whole, and B the cord or cable by which a punching-bag is suspended from said support. Said support consists of a cup-shaped body or casing A', provided at its upper margin with a radially-disposed rim or flange by which it is secured to an overhead structure, said rim or flange being provided with screw-holes for attachment of the same to such structure. The cup-shaped body of said support is provided at its lower end with an aperture *a*, through which the cord B of the punching-bag passes, and is also provided at its side with an enlarged opening A². Said opening A² is provided for the purpose of attaching a cord to the support at a time when the support is fixed in place, the cord being passed upwardly through the opening *a* and outwardly through the side opening and knotted and thereafter the knot drawn through said opening A² into the body of the support.

Surrounding the aperture at the lower end of the body of the support is a vertically-di-

rected cylindric flange or nipple A³, which extends a short distance into the body of the support and the interior diameter of which is made approximately like that of the aperture *a*. Surrounding the cord B and resting on the upper end of said flange is an apertured bearing-plate C, which is made of sufficient width to afford a bearing for the knotted end *a'* of the cord. The plate rests upon the narrow wall of the upper end of the flange A³ and transmits the weight of the bag thereto, so that the entire frictional bearing-surfaces in said support is between said plate and flange. The annular or tubular flange A³ is flared outwardly at its base to the line where said flange joins the bottom of the cup, so that in the swinging movement of the cord it comes in contact only with the rounded surface of the flaring part of the tubular flange, and chafing or wear of the cord is thereby prevented. The interior diameter of the upper end of the said flange A³ being about the same or only slightly greater than that of the cord, the cord is held by its contact with the inner surface of the flange from assuming an angular position with respect to the flat bearing-plate C, so that there can be no chafing of the cord against the edge of the aperture in said plate, while should the plate be shifted or moved sidewise by reason of the loose fit of the cord in the tubular flange no wearing or chafing of the cord will result, because in such case the cord will be merely pressed against the smooth side of the annular flange and will not be brought into contact with anything liable to chafe the same. Manifestly the cord always exerts a direct downward pull on the bearing-plate, which latter serves to prevent contact of the knot of the cord with the upwardly-directed edge of the flange A³, which in the absence of said plate might chafe or wear the knot.

The body of the support will desirably be made of a single piece of sheet metal stamped to form by swaging-dies, although it may, if desired, be cast or otherwise made in a single piece. The support made as described is exceedingly simple in construction and requires no fitting of the two parts composing it. It is therefore economical to manufacture and adds little to the cost of a punching-bag outfit.

I claim as my invention—

The combination of a suspending-cord, a cup-shaped hollow body made of a single piece of sheet metal and provided at its upper edge with a flat, horizontal, outwardly-directed, integral attaching-flange and in its bottom with an upwardly-directed, integral, annular flange which forms a vertical, tubular passage for the rope not materially larger than said rope, and the base of which flared outwardly to its line of juncture with the bottom of the cup-shaped body, a flat, centrally-apertured bearing-plate located within the said hollow body and resting on the upwardly-directed edge of said flange, said cord extending upwardly through the passage

formed therefor in the bottom of the cup-shaped body and through the bearing-plate and having at its upper end a knot which engages the top surface of said bearing-plate, and said hollow body having an opening in its side wall above said bearing-plate to afford access to said knot.

In testimony that I claim the foregoing as my invention I affix my signature, in presence of two witnesses, this 2d day of February, A. D. 1901.

CORY W. DUDLEY.

Witnesses:

GERTRUDE BRYCE,
WILLIAM L. HALL.