

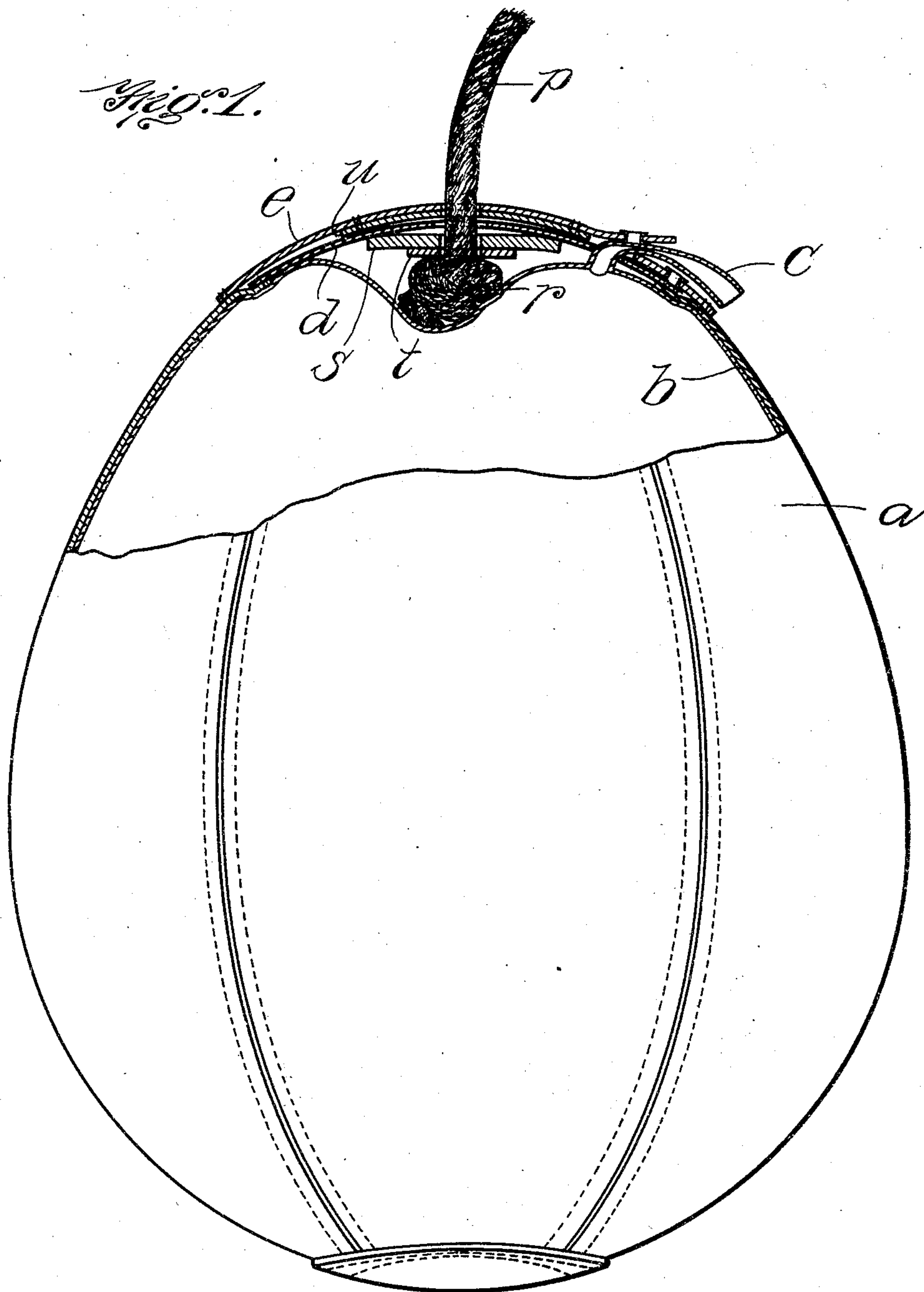
No. 788,245.

PATENTED APR. 25, 1905.

A. F. BURTT.
PUNCHING BAG.

APPLICATION FILED AUG. 31, 1904.

2 SHEETS—SHEET 1.



Witnesses:
L. E. Kennedy
E. Baughman

Inventor:
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By *Wm. B. Brown & Quincy*
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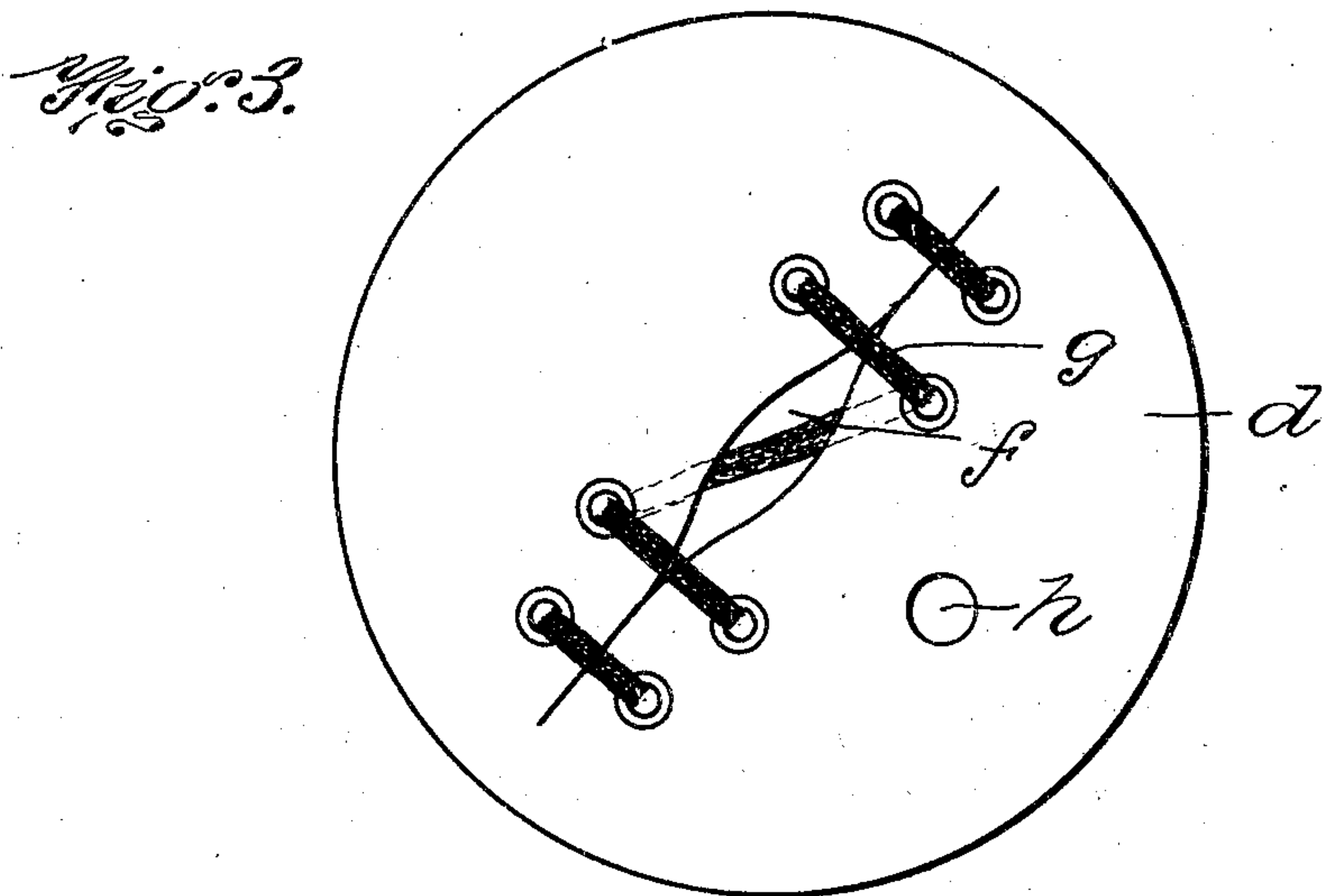
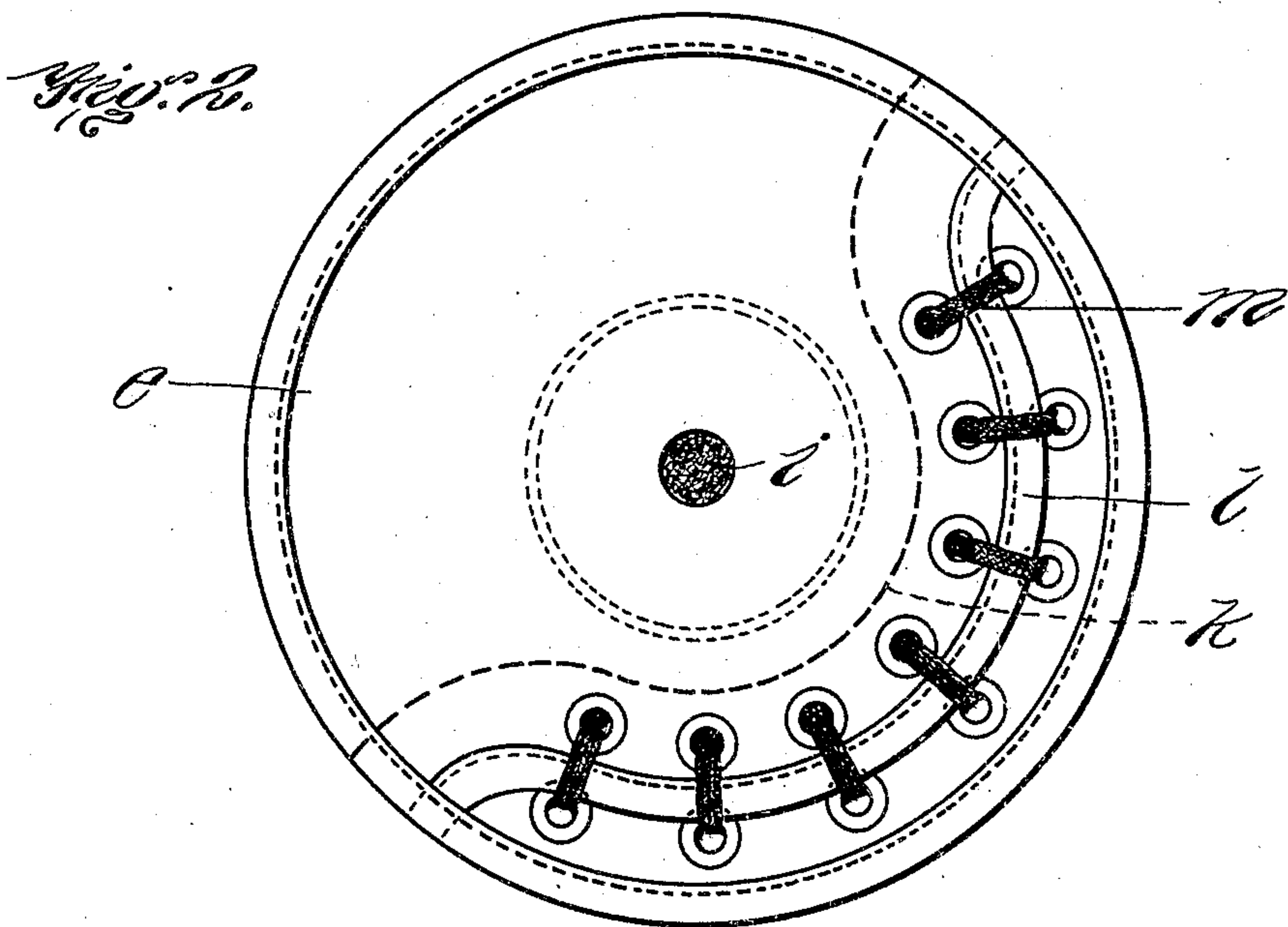
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2 SHEETS—SHEET 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALBERT F. BURTT, OF PLYMOUTH, NEW HAMPSHIRE, ASSIGNOR TO THE
DRAPER AND MAYNARD COMPANY, OF PLYMOUTH, NEW HAMPSHIRE,
A CORPORATION OF NEW HAMPSHIRE.

PUNCHING-BAG.

SPECIFICATION forming part of Letters Patent No. 788,245, dated April 25, 1905.

Application filed August 31, 1904. Serial No. 222,844.

To all whom it may concern:

Be it known that I, ALBERT F. BURTT, of Plymouth, in the county of Grafton and State of New Hampshire, have invented certain new and useful Improvements in Punching-Bags, of which the following is a specification.

My invention relates to punching or striking bags, and particularly to the cap-pieces of such bags; and its primary object is to provide such a bag having a compound or reinforced cap-piece of such construction as to afford the greatest possible resistance to tearing and to give additional protection to the bladder.

The punching-bags now in common use have a cap-piece formed with a slit in the center and a loop surrounding the slit and attached to the cap, the lacing for the slit passing around the loop. The structure thus produced is subject to serious objections, as the loop draws on the cap-piece and causes the latter to give way and tear. These objections I overcome by means of the improvements which I will now proceed to describe and claim.

In the drawings forming a part of this specification, Figure 1 represents a sectional view of a punching-bag having the improvements in which my invention is embodied applied thereto. Fig. 2 represents a plan view of the outer or reinforcing cap-piece, and Fig. 3 represents a similar view of the inner cap-piece.

The same reference characters indicate the same parts in all the figures.

The main portion of the bag is constructed in the usual manner, with an outer leather cover *a* and an inner bladder *b*, having an inflation-tube *c*, of rubber or other air-tight flexible material. Instead of the usual single cap-piece, however, I provide a double cap, consisting of an inner cap-piece *d* and outer cap-piece *e*, of leather or other flexible material, both securely united to the leather cover by stitching. The inner cap-piece is formed with a diametrical slit *f*, adapted to be closed by a lacing *g*, and with a hole *h*, and the outer cap-piece has a central hole *i* and a curved slit *k*, which is preferably, though not necessarily,

concentric with the hole *i*. A reinforcing-piece *u* is secured to the piece *e*, strengthening the part surrounding the hole and affording an additional means to take up the strain of the suspending-cord. A flap *l*, secured to a portion of the piece *e*, extends over the slit *k* and is secured by a lacing *m*.

In making the bag the cap-pieces are secured to the cover with the piece *e* centrally over the piece *d* and the hole *h* adjacent to the middle of the slit *k*. A suspension-cord *p* is passed through the hole *h* and slit *f* and is prevented from being pulled by means of a knot or enlargement *r* formed on its end. As a further retaining device for the cord and protector for the cap-pieces washers *s t* are placed on the cord between the inner cap-piece and the knot. Usually the outer cap-piece *e* is constructed of two overlapping pieces, the flap *l* being formed by the overlapping edge of one of the pieces. The bladder is inserted through the slits *k* and *f* and placed with the inflation-tube *c* extending out through the hole *h* and slit *k*.

It will be observed that this construction affords a secure holding means for the suspension-cord and provides a structure of cap-piece in which the risk of tearing is minimized, and thereby more fully protects the bladder.

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

1. A punching-bag comprising a cover member, a cap consisting of superposed inner and outer flexible cap-pieces secured to the cover member, and a suspension-cord passing through both cap-pieces and provided with an enlargement engaging the inner cap-piece.

2. In a punching-bag, the combination with the cover, of inner and outer superposed flexible cap-pieces secured to the cover, the inner cap-piece being formed with a diametrical slit and the outer cap-piece having a central hole and an elongated slit between the central hole and the edge of the cap-piece, and devices for closing the slits in the cap-pieces.

3. In a punching-bag having a bladder provided with an inflation-tube and an outer cover,

an inner cap-piece secured to the cover, having a diametrical slit and a hole at one side of said slit to receive the inflation-tube, an outer cap-piece secured to the cover over the inner
5 cap-piece and having a central hole and a slit, a flap secured to the outer cap-piece and overlying said slit, and provisions for holding said flap in position to close the slit.

4. In a punching-bag having a bladder provided with an inflation-tube and an outer cover,
10 an inner cap-piece secured to the cover having a diametrical slit and a hole at one side thereof to receive the inflation-tube, a device for closing said slit, an outer cap-piece secured
15 to the cover over said inner cap-piece and provided with a central hole and a slit beside the

hole, a reinforcing-piece secured to said outer cap-piece surrounding the hole, a flap secured to said outer cap-piece overlying the slit therein, a device for holding said flap in position
20 to close the slit, and a suspension-cord extending through the hole in the outer cap-piece and the slit in the inner cap-piece and provided with an enlargement engaging the inner cap-piece.

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

ALBERT F. BURTT.

Witnesses:

J. F. MAYNARD,
HARRY S. HUCKINS.