

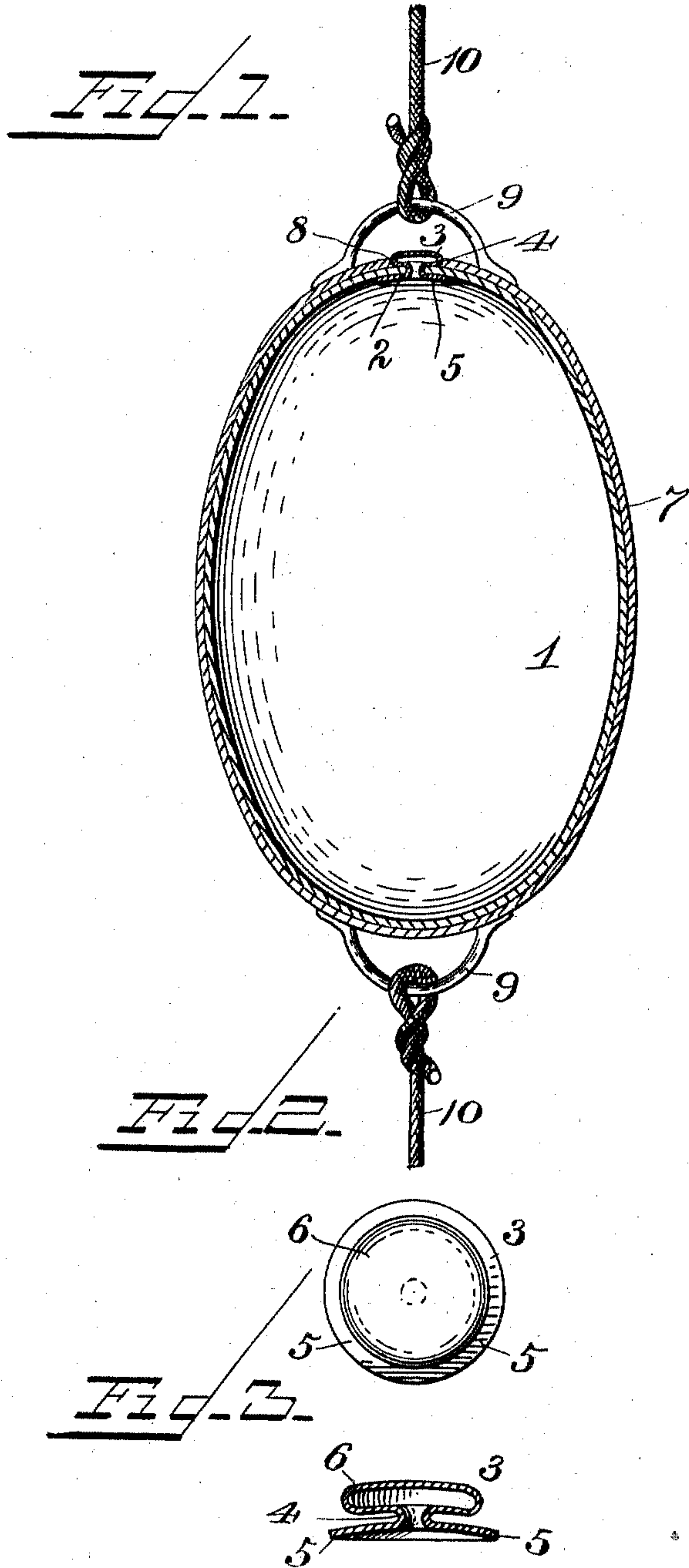
No. 760,004.

PATENTED MAY 17, 1904.

A. LINDSAY.
STRIKING BAG.

APPLICATION FILED SEPT 8, 1903.

NO MODEL.



Witnesses:
Frank L. Ourand.
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UNITED STATES PATENT OFFICE.

ALFRED LINDSAY, OF EAST ORANGE, NEW JERSEY.

STRIKING-BAG.

SPECIFICATION forming part of Letters Patent No. 760,004, dated May 17, 1904.

Application filed September 8, 1903. Serial No. 172,276. (No model.)

To all whom it may concern:

Be it known that I, ALFRED LINDSAY, a citizen of the United States, residing at East Orange, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Striking-Bags or other Fluid-Receptacles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to elastic and inflatable bags or other receptacles for containing air or gas under pressure, and has for its object a closure for the bag or receptacle for sealing or closing the opening through which the bag is inflated by the insertion of a tube while the closure is in the opening; and the invention consists in certain improvements in construction, which will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a vertical section of a striking-bag provided with my invention; Fig. 2, a top plan view of the closure detached on an enlarged scale, and Fig. 3 a vertical transverse section of the same.

Reference being had to the drawings and the designating characters thereon, 1 indicates an elastic inflatable bag or receptacle for a fluid, such as air or gas under pressure, and may be in the form of a striking-bag, as shown, a foot-ball, a cushion, or other receptacle. The bag or receptacle is provided with an opening 2, through which the bag is inflated, and in the opening is a flexible closure 3, preferably hollow, as shown, so that the fluid in the bag enters the closure and keeps it distended. The closure is provided with a neck 4 approximately the diameter of the opening 2 in its normal condition and of a length approximately equal to the thickness of the wall of the receptacle and with an inner member 5 of greater diameter than the opening 2 and which is preferably normally of the contour of the interior of the bag 1 around the opening when the bag is inflated and is pressed against the inside of the bag by the fluid in the bag with such force as to prevent leakage

of the fluid. On the opposite end of the neck 4 is another member 6, which is hollow, extended laterally, and the inner wall thereof is normally of the contour of the outside of the wall of the inflated bag, which prevents the closure falling into the bag through the opening 2, and this latter member 6 and the neck 4 are hollow and subject to the pressure of the fluid in the bag, by which the neck is distended and presses against the wall around the opening and assists in preventing the escape of the fluid.

The closure 3 being in the opening 2 of the bag, when it is desired to inflate the bag a tube (not shown) is inserted in the opening on one side of the closure by pushing the inner member 5 aside and blowing into the bag, and when sufficiently distended the tube is withdrawn from the opening, when the member 5 assumes its normal position and is forced against the inside of the bag and is held securely thereto, preventing the escape of the fluid. At the same time the neck 4 and the outer member 6 are distended and augment the sealing action of the closure.

For the purpose of illustration I have selected a striking or punching bag provided with a cover 7, of leather or other suitable material, and provided with an opening 8 at one end, through which the bag 1 is inserted in its collapsed condition and inflated within the cover 7, and the cover is provided with end straps 9 and securing-cords 10 of the usual form and material. By thus inserting the bag 1 in the cover 7 and inflating the bag after it has been inserted all lacing of the cover, whether for use as a striking-bag or a foot-ball, is dispensed with and the cover made more durable than when laced, besides saving time and the annoyance of lacing the cover.

When used for either of the purposes named, the strap 9 or a flap covers the closure 2, which lies in the opening 8 of the cover and protects it against injury from blows or kicks.

Having thus fully described my invention, what I claim is—

1. An elastic fluid-receptacle provided with an opening through which the receptacle is inflated, and a flexible and distensible closure

for said opening engaging the inner side of the receptacle, and said closure being open to and distended by the fluid in the receptacle.

2. An elastic fluid-receptacle provided with
5 an opening through which the receptacle is inflated, and a flexible and distensible closure having a lateral extension of greater diameter than said opening, and said closure being open to and distended by the fluid in the receptacle.
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3. An elastic fluid-receptacle provided with an opening through which the receptacle is inflated, and a flexible and distensible closure for said opening provided with a tubular neck
15 open to and distended by the fluid in the receptacle, and having a lateral extension normally of the contour of the inside of the wall of the inflated receptacle.

4. An elastic fluid-receptacle; in combination with a distensible closure provided with a tubular neck having lateral extensions nor-

mally of the contour of the inflated receptacle and distended by the fluid in said receptacle.

5. An inflatable fluid-receptacle provided
25 with an opening through which the receptacle is inflated, and a flexible and distensible closure having a neck approximately of a length equal to the thickness of the wall of the receptacle, engaging the wall of said opening
30 and communicating with the interior of the receptacle, and provided with lateral extensions on both ends of the neck, of greater diameter than the opening in the receptacle, said closure being open to and distended by
35 the fluid in the receptacle.

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

ALFRED LINDSAY.

Witnesses:

HARRY M. LINDSAY,
ANNA E. LINDSAY.