

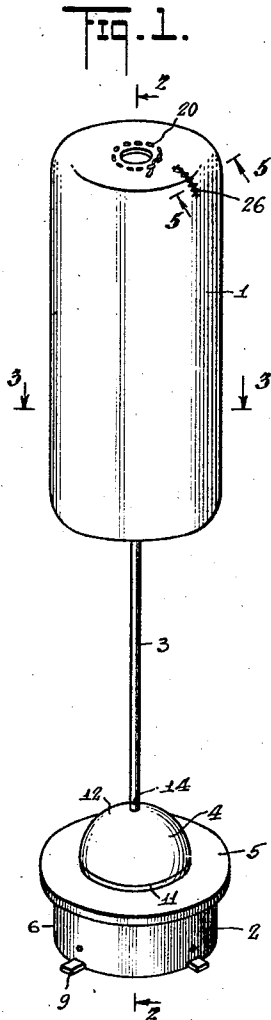
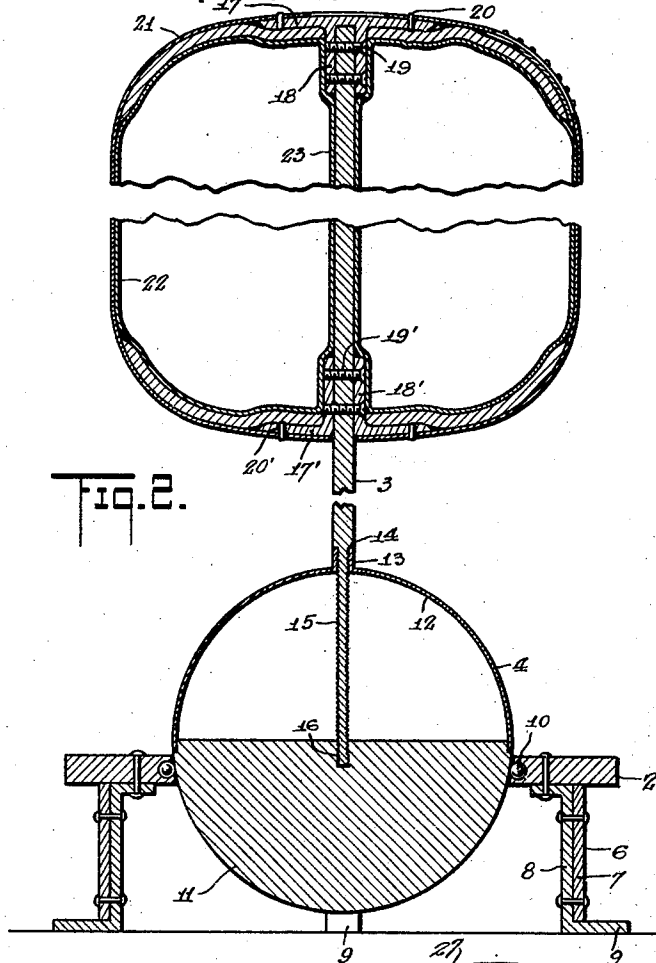
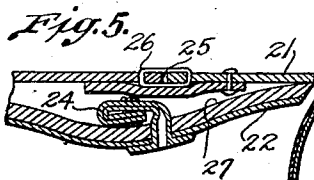
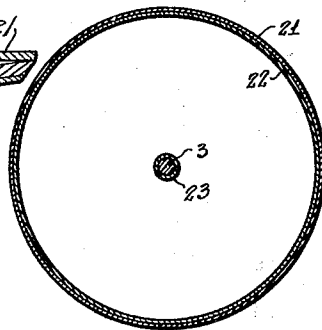
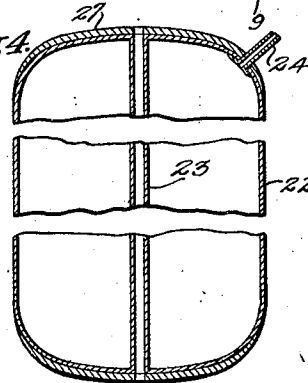
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PUNCHING BAG

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WITNESSES

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PUNCHING BAG.

Application filed September 16, 1926. Serial No. 135,894.

This invention relates to punching bags and has for an object to provide an improved construction which may be readily moved from place to place while continually in condition for use.

Another object of the invention is to provide a punching bag wherein the bag portion is connected with means for yieldingly maintaining the bag in a certain position.

A further object of the invention is to provide a punching bag in which the bag structure is carried by the base structure capable of being shifted from place to place without interfering with the proper movement of the bag.

A still further object, more specifically, is to provide a punching bag wherein a weighted ball is provided at the base for normally maintaining the bag in a given position and for automatically and quickly returning the bag to said given position when moved therefrom.

In the accompanying drawings—

Figure 1 is a perspective view of a punching bag disclosing a preferred embodiment of the invention.

Figure 2 is an enlarged sectional view through Figure 1 on line 2—2, certain parts of the bag being broken away.

Figure 3 is a transverse sectional view on an enlarged scale through Figure 1 on line 3—3.

Figure 4 is a vertical sectional view through a rubber bag or bladder disclosing certain features of the invention.

Figure 5 is an enlarged fragmentary sectional view through Figure 1 on line 5—5.

Referring to the accompanying drawings by numerals, 1 indicates the bag section and 2 the base while 3 indicates a rod or connecting member for connecting the bag section 1 to the base 2. The base 2, as shown more particularly in Figure 2, includes a ball 4, a supporting disk or plate 5 and a body 6. The body 6 is formed with a ring 7 and a plurality of supporting legs 8, each of said legs having a foot 9 projecting through a suitable notch in the ring 7. These legs are riveted or otherwise secured to the ring 7 and also are riveted or otherwise secured to the plate 5. The plate 5 is provided with a suitable ball race in which anti-friction balls 10 are mounted, said balls being positioned to engage and support the ball 4. The ball 4 is provided with a solid lower section 11 and a hollow upper section 12. The

upper section 12 has an annular projecting sleeve 13 adapted to press against the shoulder 14 of rod 3 when a threaded section 15 is screwed into a socket 16. When the threaded section 15 is screwed firmly in place as shown in Figure 2, shoulder 14 will press in tightly against the sleeve 13 whereby there will be some little tension between the parts. It will also be noted from Figure 2 that the anti-friction balls 10 are positioned slightly below the center or equator of the ball 4 whereby the weighted section 11 will continue to hold rod 3 and associated parts in a vertical position. When this rod has been moved out of the vertical and then released, the weighted or solid section 11 will quickly move the parts back to a vertical position.

At the extreme upper end of the rod 3 is provided a plate 17 having a socket 18 in which the end of rod 3 is fitted, said end being held in the socket by suitable screws 19. Plate 18 is also provided with a number of apertures for accommodating the lacing 20 whereby the canvas or other fabric casing 21 of bag 1 is properly held in position. At the bottom of bag 1 is arranged a plate 17' similar to plate 17 except that it has an aperture or bore extending entirely there-through. The plate is also provided with a tubular portion 18' connected with the rod 3 by suitable screws 19'. Lacing 20' passes through suitable apertures in plate 17' and through the fabric casing 21 for holding the lower end of the bag 1 in proper position. Arranged within the fabric casing 21 is a rubber bag or bladder 22 which may be of any desired thickness and which is provided with a tube 23 secured at its ends to the respective ends of the bag or bladder 22. This bag or bladder 22 is shown more in detail in Figures 2 and 4. An air inlet 24 of any desired kind is provided, said air inlet being adapted to be folded and tied as shown in Figure 5 after a desired pressure of air has been provided in the bladder. The casing 21 is provided with an opening 25 which is normally held together by lacing 26 when the bag is in use. In order to take care of unusual strain at the top and bottom, the bladder 22 is provided with reinforcing plates or sheets 27 and 28 of rubber which are cemented or otherwise firmly secured to the end of the bladder 22.

The feet 9 at the base are preferably apertured so that when the device is placed on the floor at a given point it may be

firmly anchored by some screws passing through the feet 9, though for light use, the weight of the base will be sufficient to hold the device in operative position. Preferably, the diameter of the bag 1 is greater than the diameter of the base so that in case the bag 1 should be struck and forced over until it hits the floor, rod 3 would not strike the plate 5. When an action of this kind takes place, the solid section 11 immediately causes the bag 1 to go back to its former position so that the operation may be repeated if desired.

What I claim is:

1. A punching bag including an inflatable bag structure, a rod for supporting the bag structure, a ball connected with the rod at the lower end, said ball having a solid section acting as a counterbalance for the rod and bag structure, and means for supporting said ball.

2. A punching bag including a pneumatic bag structure, a rod for supporting the bag structure, a ball connected to the lower end of said rod, said ball comprising a solid section forming substantially half the ball and a hollow section forming the other half of the ball, a rod extending through the hollow section into the solid section, and a base engaging the ball near the equator for rotatably supporting said ball.

3. In a punching bag a counterbalancing ball comprising a hollow section and a solid section, a base for rotatably supporting said ball formed with a supporting plate having

a round aperture therein through which said ball projects for almost half its diameter, and anti-friction means carried by said plate positioned to engage the ball near its equator for supporting the same on said plate.

4. In a punching bag a base, a rockable counterbalance supporting member carried by the base, a rod carried by said rockable supporting member, and a pneumatic bag carried by the upper end of said rod, said rod having enlarged sections engaging the ends of said bag for holding the bag in position on the rod.

5. In a punching bag supporting means including a rod and a bag mounted on said rod, said bag including an inner rubber bladder, a reinforcing rubber end member connected to each end of said bladder, and a fabric covering near said bladder, said bladder being formed with an inlet valve structure and said covering member being formed with an opening through which said valve may project when the bladder is being inflated, and fastening means for normally holding said opening closed.

6. In a punching bag a support including a rod, a bag mounted on the upper end of said rod, said bag comprising a bladder having a tube extending therethrough from one end to the other adapted to be telescoped over said rod, a fabric casing surrounding said bladder, and means for securing said fabric casing to said rod.

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