

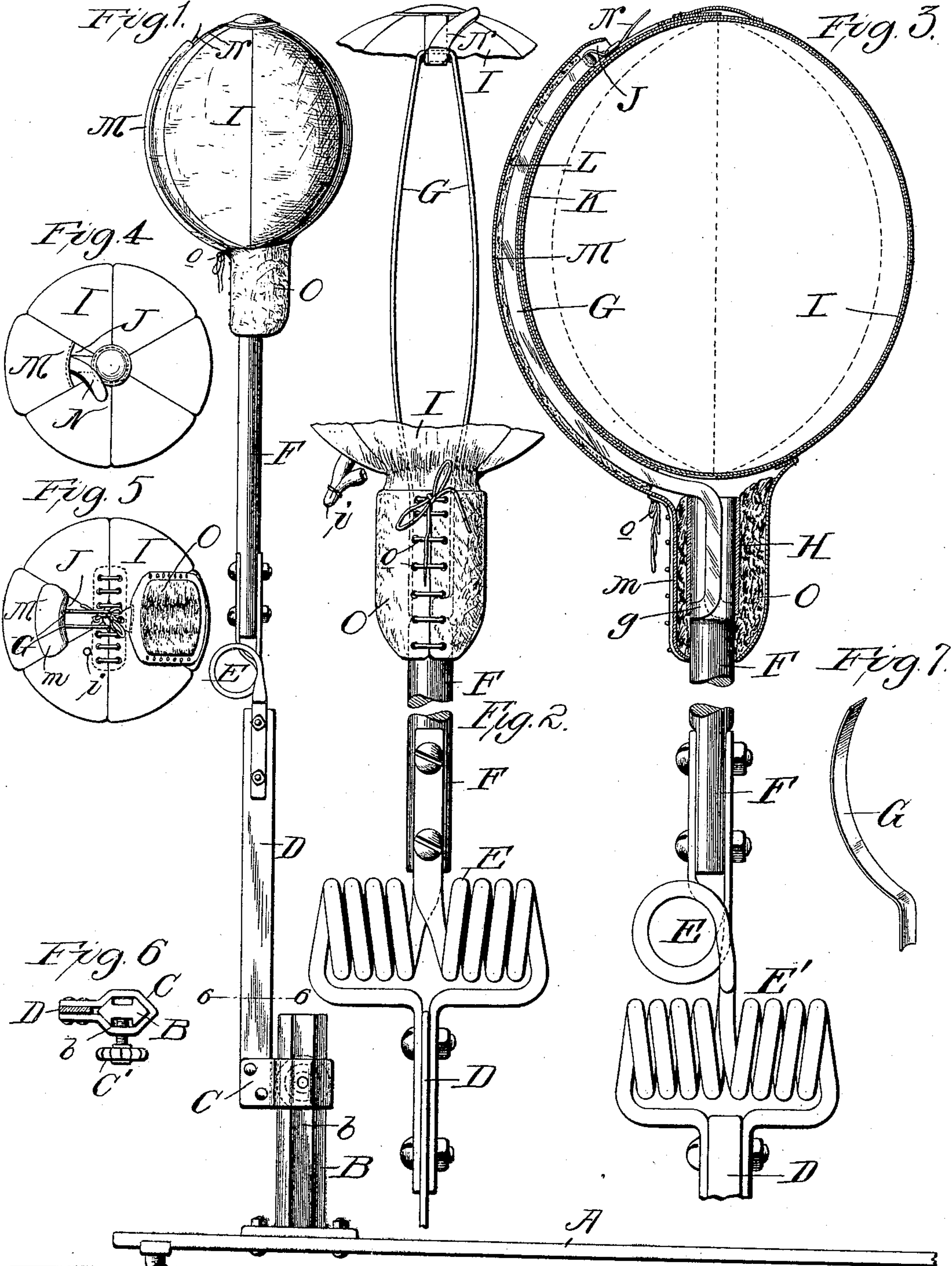
No. 615,700.

Patented Dec. 13, 1898.

R. W. HESS.
PUNCHING BAG.

(Application filed Nov. 22, 1897.)

(No Model.)



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UNITED STATES PATENT OFFICE.

ROLLA W. HESS, OF ST. LOUIS, MISSOURI.

PUNCHING-BAG.

SPECIFICATION forming part of Letters Patent No. 615,700, dated December 13, 1898.

Application filed November 22, 1897. Serial No. 659,489. (No model.)

To all whom it may concern:

Be it known that I, ROLLA W. HESS, a citizen of the United States, residing at the city of St. Louis, State of Missouri, have invented
5 a certain new and useful Improvement in Punching-Bags, of which the following is a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevational view of my improved apparatus commonly known as a
15 "punching-bag." Fig. 2 is an enlarged rear elevational view of the upper portion of the apparatus. Fig. 3 is a vertical sectional view of the upper portion of the apparatus, showing a slightly-modified form of yielding standard. Fig. 4 is a top plan view of the punching-bag. Fig. 5 is a bottom plan view of the punching-bag with the padding thrown back to more clearly show the lacing. Fig. 6 is a sectional view through the standard on line
20 6 6, Fig. 1; and Fig. 7 is a modified form of bag-support.

This invention relates to a new and useful improvement in exercising apparatus commonly known as a "punching-bag" and is
30 designed to be mounted on a suitable base, so as to be struck by a person, the bag or object struck yielding under the blow and returning.

Of course it is understood that if desired
35 this bag can be supported from the ceiling or other support, as well as it can be mounted on a base designed to be placed on the floor.

In the drawings, A indicates a suitable base, one end of which is designed to rest upon the
40 floor or other suitable support, while the other end is slightly elevated by yielding knobs *a*, preferably made of rubber, so that when a person stands on the base A to strike the punching-bag said base A will act as a spring-board. Secured to or near the other end of
45 base A is a standard B, which is preferably grooved on each side, as shown at *b*.

C indicates a yoke or coupling which embraces standard B and is held in an adjusted
50 position thereon through the medium of a set-

screw *c*, which fits into one of the grooves *b* on standard B.

D indicates a yielding standard secured in the adjustable yoke C, said standard D being preferably made of spring metal, so as to
55 yield in a direction at right angles to the base A. On the upper end of this yielding standard D are secured the ends of coil-springs E, whose other ends are extended up and attached to a standard F. Springs E are so
60 arranged that they yield in a direction at right angles to the yielding standard D.

In Fig. 3 I have shown a standard D', which is adapted to be secured in yoke C, said standard D' being unyielding and carrying two
65 springs E' at its upper ends, which yield in a direction at right angles to the springs E, which latter are formed as continuations of springs E'. In this way I get a right-angled yielding of the standard, so that the bag is
70 universally supported and has a tendency to keep a central position or to return to a central position from any direction in which it may have been forced by a blow.

G indicates a bag-support, preferably made
75 of metal to conform to the contour of the bag. This support may be made in the form of a loop, as shown in Figs. 2 and 3, in which the ends of said loop are bent down and around the upper end of standard F, as shown at *g*
80 in Fig. 3, or said loop may be made of a strip of metal, as shown in Fig. 7.

H indicates a collar or ferrule arranged at the upper end of standard F and embracing the lower end of bag-support G to hold the
85 same in position.

I indicates the punching-bag, which is of the usual construction—that is, formed hollow—and adapted to be inflated by forcing air under pressure through a tube *i*. Bag I
90 has a pocket J formed on one side, in which pocket is arranged the bag-support G, a strip K being arranged between the bag-support and the bag to prevent abrasion and a pad L being preferably arranged outside of the support G to prevent said support from hurting
95 the hand of a person striking the bag from the rear side, padding L being held in position by a covering M, as shown more clearly in Fig. 3.

N indicates a strap secured at the upper end of the bag I and passing through an opening in the upper end of the bag-support G, so as to hold the bag in position, said strap being preferably tied or twisted, as shown.

In order to prevent the hand of a person striking the bag from slipping down on the upper end of standard F, I preferably arrange a padding O on the lower end of the bag, which embraces the upper end of standard F and is laced in position by suitable lacing o, as shown in Fig. 2.

A tongue *m* extends down from the covering M over the padding O and under the open portion of the protective covering of said padding, as shown in Fig. 3.

By the above construction it will be noticed that the bag is supported entirely from the rear, and a person striking the bag will not be in danger of hitting any metallic support or other hard surface which might injure the hand. The padding O protects the hand from glancing from the bag and striking the hard standard F. By securing the standard D or D' to an adjustable yoke the nature or relation of the springs to the bag is not changed, but is the same at all times, whether the yoke be arranged near the top or at the bottom of the standard B. This I consider important, as in some instances, where the yielding standard D is fitted in a socket and shortened, the spring of said yielding standard is shortened, which makes it much stronger, in fact entirely out of proportion to what it should be. This cannot happen in my construction, as the return movement of the bag after being struck is the same, irrespective of its distance from the base A.

I am aware that many minor changes in the construction, arrangement, and combination of the several parts of my invention can be made and substituted for those herein shown and described without in the least departing from the nature and principle of my invention.

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

1. The combination with a spring-board, of a standard mounted on, or near, one end thereof, said standard being universally yielding, a punching-bag mounted on the upper end of said standard and to one side thereof, and cushions arranged under that end of the spring-board upon which the punching-bag is mounted, substantially as described.

2. The combination with the board A which is adapted to rest on the floor or other support at one end, of cushions *a* for supporting the other end of the board, and a punching-bag mounted on said board, substantially as described.

3. The combination with a post B, of a yoke adjustably mounted thereon, a yielding standard mounted in, and movable with, said yoke, and a punching-bag mounted on said standard, substantially as described.

4. The combination with a post or standard formed with grooved sides, of a yoke embracing the same, a set-screw in said yoke for locking the same in an adjusted position and a punching-bag mounted on said yoke, substantially as described.

5. The combination with a punching-bag, of a standard on which the same is mounted, a coiled spring for rendering the same yielding in a forward or backward direction, and a flat spring-standard acting at right angles to the coiled spring for making said standard yielding in a lateral direction, substantially as described.

6. The combination with a punching-bag, of a standard on which the same is mounted, of oppositely-wound coiled springs having their ends secured to said standard, and a laterally-yielding standard to which the other ends of said springs are secured, substantially as described.

7. The combination with an elongated base, of a yielding standard mounted thereon at one end, a punching-bag arranged at the upper end of said standard, a bag-support for securing said bag to the standard, said support being located to one side of the bag, and a padding O secured to the lower end of the bag and embracing the upper end of the standard, whereby, when a person standing on the base strikes said bag, the blow will be delivered on a side of the bag opposite to that on which the support is arranged, substantially as described.

8. The combination with an inflatable punching-bag, of a universally-yielding standard on which the same is secured, a bag-support extending upwardly from said standard, said support being curved to receive the bag, and a padding O secured to the lower end of the bag, said padding embracing the standard below the bag, and being secured thereto by suitable lacing or other means, substantially as described.

9. The combination with an inflatable punching-bag, of a universally-yielding standard on which the same is secured, a bag-support extending upwardly from said standard, said support being curved to fit the contour of the bag, a pad L arranged outside said support, and a covering M secured to the bag for holding said padding in position, substantially as described.

10. The combination with an inflatable punching-bag, of a universally-yielding standard on which the same is secured, a bag-support extending upwardly from said standard, said support being curved to fit the contour of the bag, a pad L arranged outside said support, a covering M secured to the bag for holding said padding in position, and a wear-strip K arranged between the support and the bag, substantially as described.

11. The combination with an inflatable punching-bag, of a universally-yielding standard on which the same is secured, a bag-support extending upwardly from said standard,

said support being curved to fit the contour of the bag, a pad L arranged outside said support, and a pad O secured to the lower end of the bag for embracing the standard and protecting the hand of the operator therefrom, substantially as described.

12. The combination with a bag, of a standard to which the same is secured, a bag-support for securing the bag to the standard, and a strap secured to the bag and passing through an opening in the upper end of said bag-support, substantially as described.

13. The combination with a bag formed with a pocket, of a bag-support arranged in said pocket, a standard which is embraced by the lower ends of said bag-support, a strap secured to the top of the bag, which strap passes through an opening in the upper end of said bag-support, and a protective padding for said bag-support, substantially as described.

14. The combination with a bag, of a bag-support fitting in a pocket formed in said

bag, and a standard which is engaged by the lower end of said bag-support, said bag-support being formed as a loop whose lower ends are bent at right angles, so as to embrace said standard, substantially as described.

15. The combination with a bag, of a standard, a bag-support for securing the bag to the standard, and a ferrule for embracing the end of the bag-support where it engages the standard, substantially as described.

16. The combination with a bag, of a standard, a bag-support for securing the bag to the standard, a protective covering for said bag-support, and a padding around the standard adjacent to said bag, substantially as described.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 13th day of November, 1897.

ROLLA W. HESS.

Witnesses:

HUGH K. WAGNER,
F. R. CORNWALL.