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G. S. MAXWELL.

PUNCHING BAG SUPPORT.

(Application filed June 12, 1902.)

(No Model.)

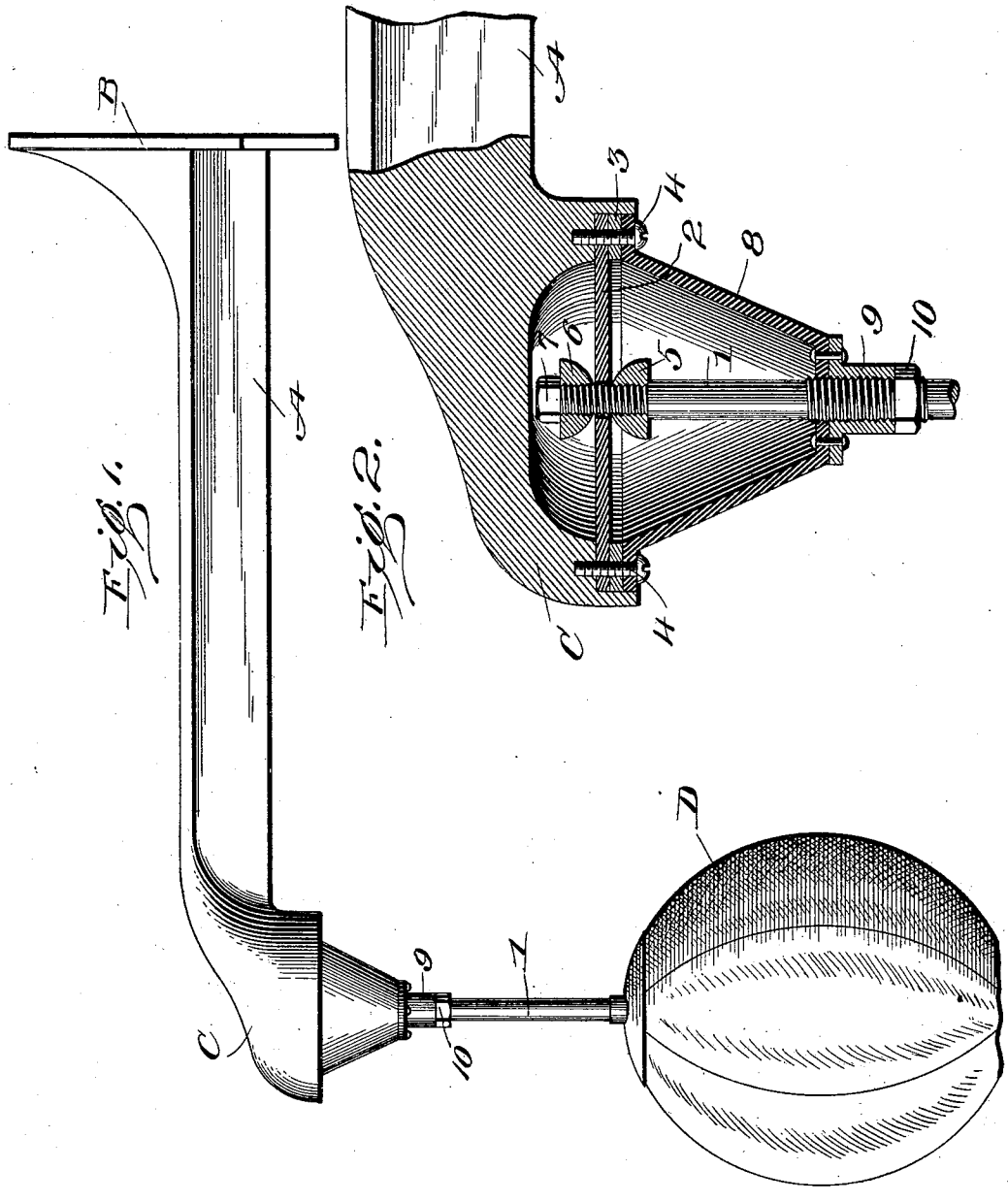


Fig. 1.

Fig. 2.

WITNESSES:

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GEORGE S. MAXWELL, OF JERSEY CITY, NEW JERSEY, ASSIGNOR OF ONE-HALF TO HENRY D. CRIPPEN, OF NEW YORK, N. Y.

PUNCHING-BAG SUPPORT.

SPECIFICATION forming part of Letters Patent No. 712,828, dated November 4, 1902.

Application filed June 12, 1902. Serial No. 111,342. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. MAXWELL, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Punching-Bag Supports, 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.

My invention relates to punching-bag supports, (Case D;) and its object is to provide an improvement in the means for supporting the bag and for regulating the swing thereof.

The invention consists in the features of construction, arrangements of parts, and combinations of elements, of which a single embodiment will be hereinafter fully set forth, while the novel features of the invention will be pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a side elevation showing the supporting-bracket, the bag, and the means for hanging the bag from said bracket. Fig. 2 is a section detail, on an enlarged scale, showing the connections between the bag-rod and the bracket.

Similar reference characters refer to similar parts throughout both views.

A is a bracket having a bag D, adapted to be attached to the wall, ceiling, or other desired place. At the end of this bracket is a ring or head C, which has a dome-shaped recess or opening therein, the mouth of which opens downwardly. Bag D is carried by rod 1. Across the opening in the head C is stretched a flexible supporting device, which is preferably of leather or some other stiff but slightly flexible substance. Such flexible piece is preferably in the form of a disk the edges of which are fitted against a shoulder within the head C and held therein by means of the screw 4, which passes through disk 2, and a washer 3, which may be used, if desired. For convenience the part 2 will be spoken of as a "disk;" but it will be obvious that the invention is not limited thereby, as its shape is not material so long as it extends across the head and is properly secured thereto in such a way as to obtain the desired result. The upper end of bag-rod 1 is threaded, and bearing-pieces 5 and 6 are carried thereby, one on each side of the disk 2. These bearing-pieces are thus adjustable along the bag-rod, and they are held in position by means of a nut at the upper end of the rod. The rod passes loosely through an aperture in the disk 2, and the flexibility of the disk is such as to provide a yielding pivotal support therefor. The inner face of the bearing-pieces 5 and 6 are curved, so that they will have a rolling contact with the disk 2 as the rod swings. A spring 8 has its upper edges suitably connected to the head C, preferably by means of the screws 4, before mentioned. This spring, which is preferably of rubber, is, as shown, substantially cone-shaped. The lower end thereof is connected to a collar 9, which is threaded so that it may be adjustable along the rod 1, which is itself threaded for a certain part of its length for this purpose. The collar 9 may be held in any desired adjusted position by means of the nut 10.

When the bag is in use, a yielding flexible pivot is provided through the described connection with the flexible disk 2, and the construction of the spring 8 is such that it offers a yielding resistance to the swing of the bag and gives a quick return movement thereto when it has reached the limit of its swing. The action of each of these regulating devices may be adjusted by proper adjustment of the bearing-pieces and of the collar 9, which carries the lower end of spring 8 with it as it is turned up or down on the rod.

It will be obvious that the construction of the spring 8 may be varied without departing from the invention. While the form shown is the preferable one, other constructions might be substituted therefor which would provide a spring resistance between the head and the rod and be full mechanical equivalent of the spring shown.

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

1. In a device of the class described, a bracket, a flexible supporting member carried

thereby, a bag-rod suspended from said flexible supporting member and a spring having one end connected to said bracket and the other end connected to said bag-rod intermediate its length.

2. In a device of the class described, a bracket, a flexible supporting member carried thereby, a bag-rod suspended from said flexible supporting member and a spring having one end adjustably connected to said bracket and the other end connected to said bag-rod intermediate its length.

3. In a device of the class described, a bracket, the flexible supporting member 2 attached thereto, a bag-rod 1 having the adjustable bearing-pieces 5 and 6 by which it is supported from said flexible member and the spring 8 having one end connected to said bracket and the other end connected to said bag-rod intermediate its length.

4. In a device of the class described a bracket A, the flexible supporting-disk 2, the bag-rod 1 passing at its upper end through said flexible supporting-disk and carrying the bearing-pieces 5 and 6 adjustably mounted thereon and a substantially cone-shaped spring 8 having its upper end connected to said bracket and its lower end connected to the collar 9 adjustable along said bag-rod substantially as and for the purposes set forth.

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

GEORGE S. MAXWELL.

Witnesses:
H. M. SEAMANS,
I. C. DELANEY.