No. 714,456. Patented Nov. 25, 1902.

H. D. CRIPPEN.

SUPPORT FOR PUNCHING BAGS.

(Application filed June 12, 1902.)

(No Model.)

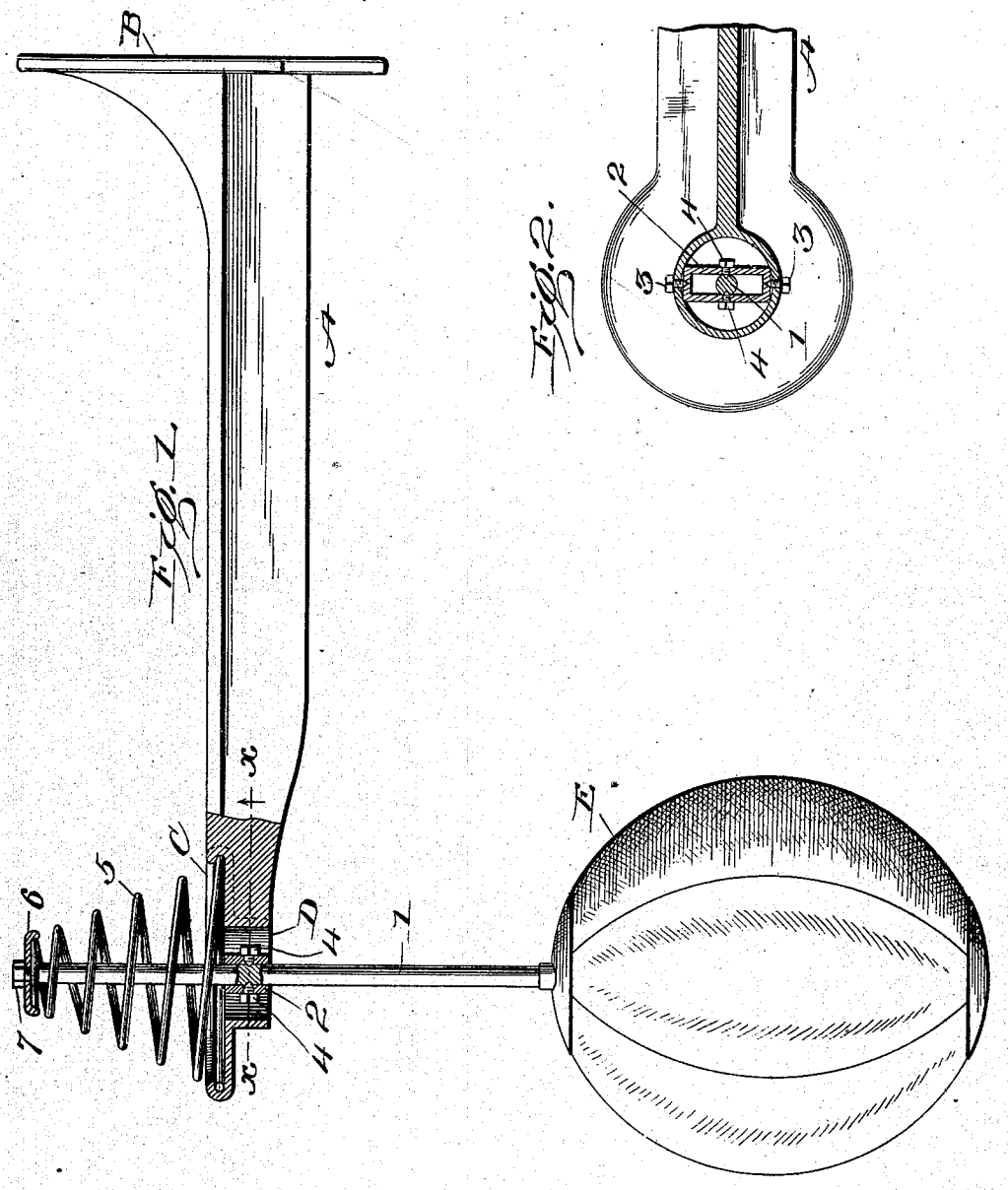


Fig. 2.

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UNITED STATES PATENT OFFICE.

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SUPPORT FOR PUNCHING-BAGS.

SPECIFICATION forming part of Letters Patent No. 714,456, dated November 25, 1902.

Application filed June 12, 1902. Serial No. 111,325. (No model.)

To all whom it may concern:

Be it known that I, HENRY D. CRIPPEN, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Supports for 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.

My invention relates to improvements in supports for punching-bags; and its object is to provide a means for supporting a punching-bag and for regulating the swing thereof which shall be simple and cheap in construction, not likely to get out of order, and efficient in operation.

The invention accordingly consists in the construction hereinafter set forth, the novel features of which will be specifically pointed out in the claims at the end of this specification.

In the accompanying drawings, Figure 1 is a side elevation, partially in section, of a bracket, punching-bag, and supporting-rod therefor, showing the means for regulating the swing of said bag. Fig. 2 is a sectional view on line *x x* of Fig. 1 looking in the direction of the arrow.

Similar reference characters refer to similar parts throughout both views.

A is a bracket having a plate B, by which it can be attached to a wall, ceiling, or other desired place. At the end or head of this bracket is a cup-shaped depression having the rim or upper edge C of the flange thereof bent inwardly. Below and communicating with said cup-shaped depression is a circular aperture D. Bag E is supported by the rod 1. The necessary universal motion of this bag-rod is provided for by mounting it within a clip or joint member 2, which is mounted within the aperture D of the bracket on the screw-pivots 3 3, the bag-rod being mounted within the clip by means of the screw-pivots 4 4, having their axis at right angles to the axis of the other set of pivots. A spiral cone-shaped spring 5 has its lower convolution sprung into the cup at the end of the bracket and held therein by means of the overhanging rim C, which provides a retaining-socket therefor. This spiral spring encircles the upper end of the bag-rod and is adjustably held thereto by means of the cap 6, secured to the upper end of the rod by means of a nut 7.

In operation upon striking the bag the spring 5 provides a yielding and gradually-increased resistance to the movement of the bag-rod and also tends to return it to position when it has reached the extreme end of its swing, as will be readily understood by those skilled in the art.

The advantages of this construction in line of cheapness and simplicity will be obvious and need not be further elaborated.

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, in combination, a support, a bag-supporting rod pivotally suspended therefrom, and a spring 5 encircling said rod having one end thereof supported upon said bracket and resting at its other end against a cap connected with said rod.

2. In a device of the class described, in combination, a bracket having a cup-shaped depression in the end thereof with an overhanging rim C, a bag-supporting rod 1 pivotally suspended from said bracket, a spring 5 encircling the upper end of said bag-rod above said bracket having its lower convolution sprung into the socket formed by said rim C and resting at its upper end against a cap 6 adjustably secured to the upper end of said rod, substantially as and for the purposes set forth.

3. In a device of the class described, in combination, a support, a bag-supporting rod suspended therefrom and a substantially cone-shaped spring encircling said rod one end of the spring contacting with said bracket and the other end thereof connected with said rod.

4. In a device of the class described in combination, a bracket, a bag-supporting rod supported from and extending above said bracket and a spring encircling the upper end of said rod above said bracket having its lower end resting upon said bracket and its upper end connected with said rod.

5. In a device of the class described in combination, a bracket, a bag-supporting rod supported from and extending above said bracket and a substantially cone-shaped spring encircling the upper end of said rod above said

bracket the lower end of the spring resting upon said bracket and its upper end connected with the upper end of said rod substantially as and for the purposes set forth.

6. In a device of the class described, in combination, a support, a bag-supporting rod suspended from said support and a substantially cone-shaped spring encircling said rod one end of the spring contacting with said bracket and the other end thereof adjustably connected with said rod.

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

HENRY D. CRIPPEN.

Witnesses:
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