June 10, 1930. R. R. HODGKINS 1,762,439

PUNCHING BAG HOOK AND SWIVEL

Filed Aug. 29, 1928

Fig. 1.

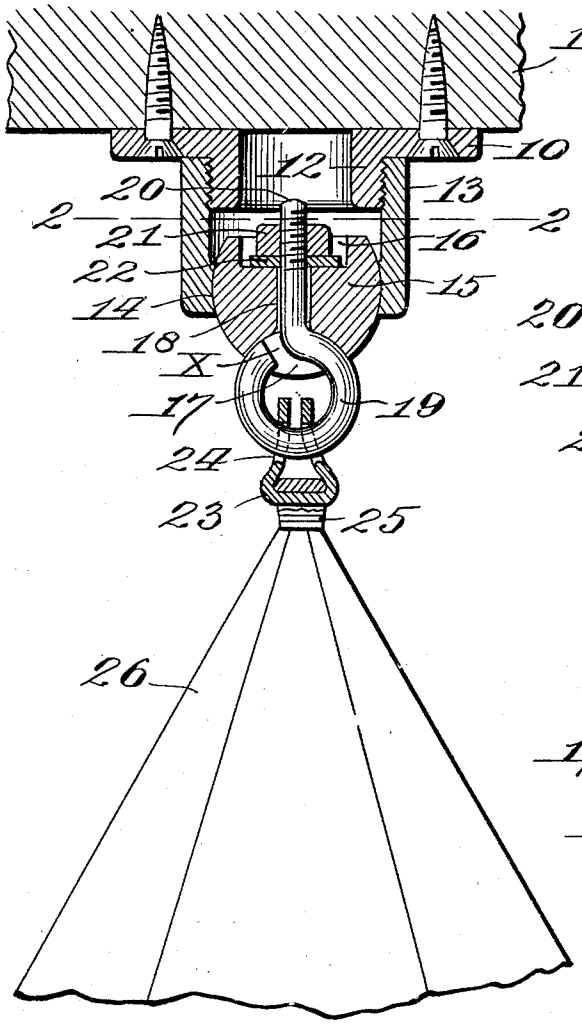


Fig. 2.

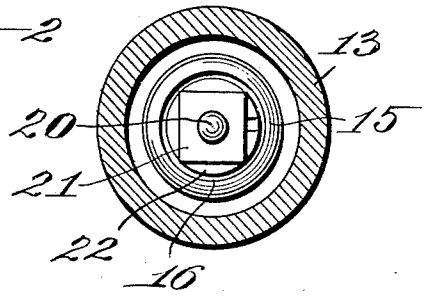
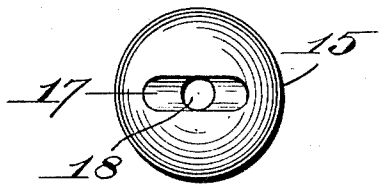


Fig. 3.



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UNITED STATES PATENT OFFICE

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PUNCHING-BAG HOOK AND SWIVEL

Application filed August 29, 1928. Serial No. 302,704.

My invention relates to a punching bag hook and swivel of the particular type disclosed in my copending application for United States Letters Patent filed August 22, 1927, Serial Number 214,571, and the principal object of my present invention is to generally improve upon and simplify the construction of the hook disclosed in my aforesaid application, as well as other existing forms of similar devices.

Further objects of my invention are to provide a relatively simple, practical and inexpensive hook and swivel that may be employed for suspending a punching bag so that the latter will swing and swivel freely while in use, to construct the hook and swivel in a strong and substantial manner so that it will withstand the strains and stresses to which it is subjected while in service, to form the hook and swivel so that the bag is suspended as closely as possible to the under surface of the platform, which is a desirable combination in the suspension of punching bags, and further to construct the hook from which the bag is suspended so that the bag suspending strap or loop may be easily and quickly applied to or removed from said hook.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will hereinafter be more fully described and claimed and illustrated in the accompanying drawing, in which:

Figure 1 is a vertical section taken through the center of a hook and swivel constructed in accordance with my invention and showing a punching bag suspended therefrom.

Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1.

Fig. 3 is a view looking against the underside of the swivel and showing the hook receiving recess and aperture therein.

Referring by numerals to the accompanying drawing which illustrates a practical embodiment of my invention, 10 designates a metal plate that is firmly secured in any suitable manner to the under face of a punching bag platform 11, and depending from the center of said plate is a short externally threaded collar 12.

Screw seated on the collar 12 is the internally threaded upper end of a tubular socket 13 and formed on the lower portion of the inner face thereof is a curved seat or bearing 14.

Resting on the seat or bearing 14, and adapted to rock freely in all directions, is a substantially hemispherical member 15 that functions as the swivel of the device and formed in the top of said member is a recess 16.

Formed in the under face of the swivel 15 is a transversely disposed slot 17 having a curved bottom surface and connecting the center of this slot with the center of the recess 16 is an aperture 18. Occupying the slot 17 is the upper portion of a substantially circular hook 19, and projecting upwardly from the side of said hook is a shank 20 that extends through the aperture 18 and the recess 16, the upper portion of said shank being threaded for the reception of a nut 21 and arranged in the recess beneath said nut is a lock washer 22.

A substantially U-shaped link 23 of metal is provided in the upper portions of its legs with apertures 24 which receive the hook 19, and these apertures are slightly larger than the diameter of the material from which the hook is formed and thus the link 23 is free to swing and rock upon the hook.

When the hook is properly applied to the swivel the opening X between the end of said hook and the lower end of the shank 20 occupies a position wholly within the slot 17, and thus when the device is properly assembled the link 25 that connects and suspends the punching bag 26 from the hook cannot be accidentally disengaged from the latter.

Thus, the swivel member 15 is supported within the socket 13 so as to move freely in all directions and the hook from which the punching bag is suspended is connected to said swivel so that the bag is suspended in close proximity to the platform and as the opening into the hook is normally disposed within the slot 17 in the swivel it is impossible for the bag suspending link to become disengaged from the hook.

When it is desired to apply the bag supporting link 23 to the hook 19 to remove said link therefrom, it is only necessary to unscrew the socket 13 from the collar 12 and then unscrew the nut 21 a sufficient distance to permit the hook to move to a position below the slot 17.

The punching bag hook and swivel of my improved construction is comparatively simple, is very strong and substantial, swings freely in all directions, enables the punching bag to be easily and quickly suspended or taken down, and is very effective in performing the functions for which it is intended.

It will be understood that minor changes in the size, form and construction of the various parts of my improved punching bag hook and swivel may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. In a punching bag hook and swivel, a member mounted to move freely in all directions, said member being provided in its underside with a slot, there being an opening formed through the body of said member and extending upwardly from said slot, a shank extending through said opening, and an open ring carried by the lower end of said shank and arranged with the opening in the said ring within the slot in said member.

2. In a punching bag hook and swivel, a socket, a substantially hemispherical swivel mounted to move freely in all directions within said socket, the underside of said swivel being provided with a slot, a shank passing through the center of said swivel, and an open ring depending from the lower end of said shank, the upper portion of which ring and the opening therein occupies the slot in said swivel.

3. In a punching bag hook and swivel, a socket, a substantially hemispherical swivel mounted to move freely in all directions within said socket, the underside of said swivel being provided with a slot, a shank passing through the center of said swivel, an open ring depending from the lower end of said shank, the upper portion of which ring and the opening therein occupies the slot in said swivel, and means on the upper end of said shank for securing the same and the hook to said swivel.

In testimony whereof I affix my signature.

REGINALD R. HODGKINS.