

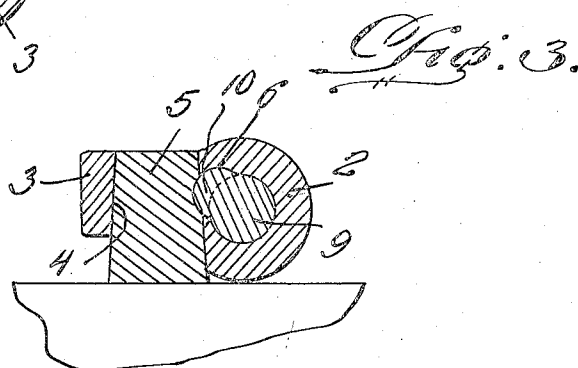
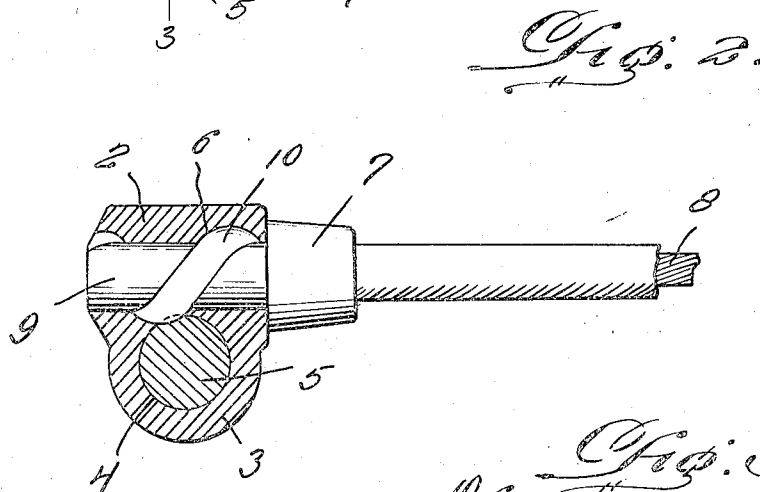
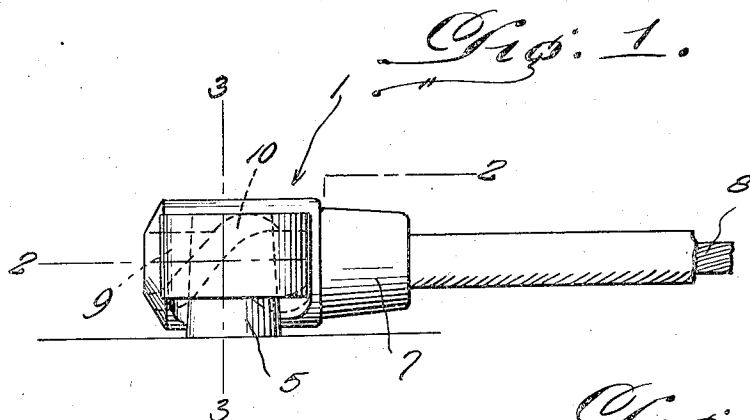
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BATTERY TERMINAL

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BATTERY TERMINAL.

Application filed January 17, 1925, Serial No. 3,112. Renewed November 12, 1926.

This invention relates to terminals for electric storage batteries, and is more particularly adapted to an improvement over pending application, bearing Serial No. 734-5 263, filed August 26, 1924.

One of the important objects of the present invention is to provide a battery terminal wherein means is provided for locking one end of the conductor cable in the sleeve of the terminal and simultaneously in locked engagement with the upstanding post of the electric storage battery.

Another important object of the present invention is to provide a battery terminal of the above mentioned character, which may be readily assembled or disassembled, the locking means being of such construction as to prevent the accidental displacement of the terminal from the battery post, after the same has once been secured in position thereon.

A further object is to provide a battery terminal of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purpose for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing, forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a side elevation of the battery terminal embodying our invention.

Figure 2 is a sectional view, taken approximately on the line 2-2 of Figure 1, and

Figure 3 is a sectional view, taken approximately on line 3-3 of Figure 1.

In the drawing, wherein for the purpose of illustration is shown the preferred embodiment of our invention, the numeral 1 designates generally the battery terminal, and the same comprises the horizontally disposed sleeve 2. A lateral extension 3 is formed thereon, and the same is provided with the vertically disposed bore for attachment on a battery post 4 in the well known manner. The bore 4 communicates with the bore of the sleeve 2, as clearly illustrated in Figures 2 and 3 of the drawing, and the purpose of this construction will be hereinafter more fully described. A substantially spiral groove 6 is formed in the inner wall

of the sleeve and extends from one end thereof to the opposite end.

A socket member 7 receives one end of the conductor cable 8, and is secured on the latter in any suitable manner. Extending from the closed end of the socket member 7 is the reduced shank portion 9. The shank portion 9 is of substantially the same length as the length of the sleeve 2. A spirally arranged rib 10 is formed on the shank portion 9 for cooperation with the spiral groove 6, in the manner to be presently apparent.

It is obvious that when the shank 9 is inserted in the forward end of the sleeve 2, so that the rib 10 will be disposed in cooperative relation with the groove 6 and the shank 9 is rotated in one direction, the shank will move rearwardly within the sleeve 2. The spiral rib 10 will provide a means for locking the shank 9 in position within the sleeve 2 and simultaneously, a portion of the rib will be brought into locked engagement with the portion of the battery post 5, at the point of communication between the sleeve and the bore 4 of the lateral extension 3. This construction is clearly illustrated in Figures 2 and 3 of the drawing.

The terminal embodying our invention is formed of lead, but the locking means associated therewith is preferably formed of lead of a harder grade, so that the spiral rib will not become deformed, in assembling or disassembling the terminal from the battery post.

The simplicity with which our device is constructed enables considerable time and labor to be saved in attaching or detaching the terminal to a battery post, and when the terminal is positioned on the post of a storage battery, the same will be secured thereon against accidental displacement therefrom.

While we have shown the preferred embodiment of our invention, it is to be understood that various changes in the size, shape and arrangement of parts may be made without departing from the spirit of the invention or the scope of the appended claim.

What is claimed is:

A terminal for storage batteries comprising a sleeve, a lateral extension formed thereon and provided with a bore adapted to be disposed over a battery terminal post, the inner wall of said sleeve being provided with a spiral groove, said groove communicating with the bore of the extension, a

socket member secured on one end of a conductor cable, a reduced shank extending from the closed end of said socket member and adapted to be disposed within said sleeve, and a spiral rib formed on said shank and adapted for engagement with said spiral groove for locking the shank in said sleeve, a portion of the spiral rib engaging the battery post at the communication of the bore of the extension with the groove for simultaneously locking the shank in engagement with the post. 10

In testimony whereof we affix our signatures.

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