

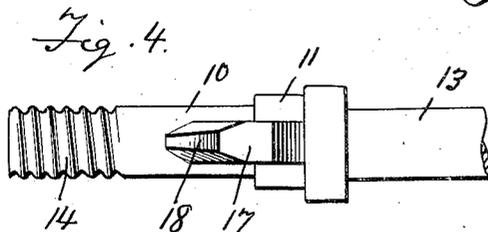
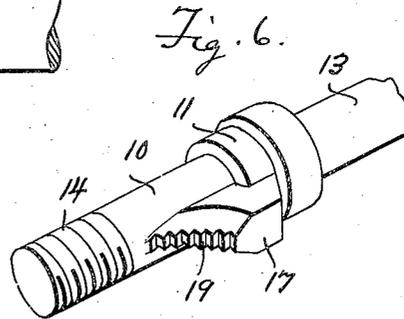
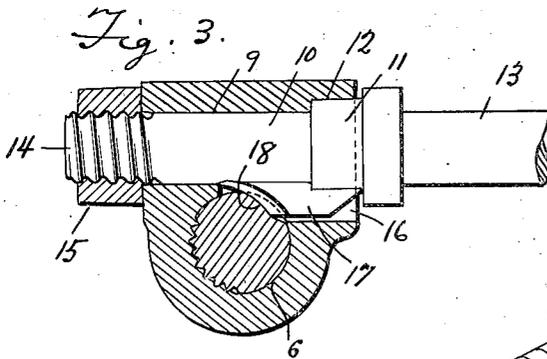
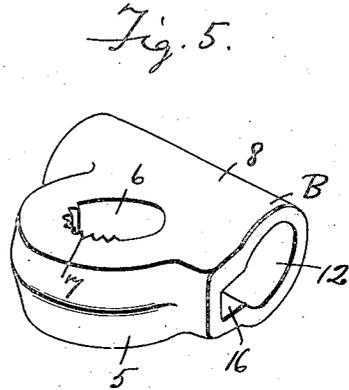
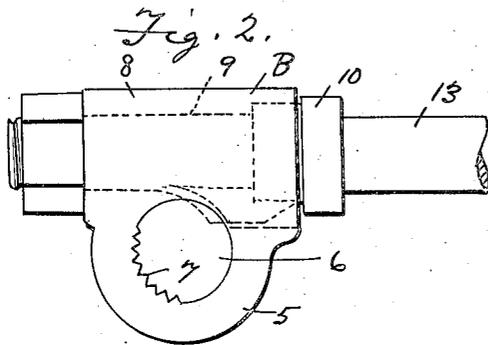
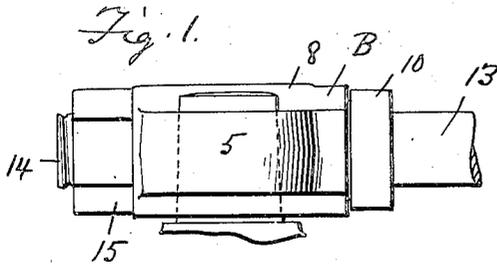
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BATTERY TERMINAL

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BATTERY TERMINAL.

Application filed January 3, 1927. Serial No. 158,718.

REISSUED

The present invention relates to a battery terminal and has for its prime object to provide a structure wherein the terminal is locked into secure engagement with the battery post against accidental displacement, rotation or other undesirable loose connection.

Another very important object of the invention lies in the provision of a device of this nature which is inexpensive to manufacture because of its simple structure yet is thoroughly efficient and reliable in use and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a side elevation of the terminal embodying the features of our invention,

Fig. 2 is a top plan view thereof,

Fig. 3 is a horizontal section therethrough,

Fig. 4 is a detail elevation of the shank thereof,

Fig. 5 is a perspective of the center portion thereof,

Fig. 6 is a perspective view showing a modified form of the shank.

Referring to the drawing in detail it will be seen that the body of the terminal is indicated generally by the letter B and includes portion 5 having a bore 6 for receiving the battery post, a portion of the interior surface of the bore being corrugated or provided with teeth 7. Another portion of the terminal is denoted by numeral 8 and is provided with a longitudinally extending bore 9 the axis of which is at right angles to the axis of the bore 6. A shank 10 is adapted to be received within the bore 9 and has an enlarged end 11 adapted to be received in the counter-sunk end 12 of the bore 9. The wire 13 is adapted to be fixed to this end of the shank in the usual well-known manner. The other end of the shank is threaded as indicated at 14 for receiving a nut 15. A recess 16 of elongated construction extends laterally from the bore 9 and

at its inner end communicates with the bore 6. A tooth or locking element 17 extends laterally from the shank 10 adjacent the enlarged portion 11 and is adapted to function as a key in respect to the recess 6 so as to prevent the turning of the shank. The inner end of this locking element 17 has its edge beveled and provided with either a cutting edge as is shown at 18 in Figs. 3 and 4 or a toothed edge 19 as is shown in Figure 6. Thus when the tooth 19 bites into the battery post the terminal is prevented from rotation thereon because of the tooth 17 and also because of the teeth 7. The shank 10, of course, is drawn into the bore 9 by the nut 15 causing the tooth to bite into the battery post. A very rigid and strong connection is thus made between the post and the terminal.

It is thought that the construction, utility, and advantages of this invention will now be apparent to those skilled in this art without a more detailed description thereof. It will be seen that the device is strong and durable, inexpensive to manufacture and thoroughly reliable and efficient in use, either to assemble in respect to the post and very unlikely to become loosened in any manner. The present embodiment of the invention has been disclosed in detail merely by way of example since in actual practice it attains the features of advantages enumerated as desirable in the statement of the invention and the above description. It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described our invention what we claim as new is:

A battery terminal of the class described including a body, one portion of which is provided with a bore extending at right angles to a bore provided in the other portion thereof, a recess extending from the second bore to the first bore and communicating therewith at its inner end, a shank extendable into the second bore and having a locking element movable in the recess and adapted to bite into a battery post in the first bore, said first bore being provided with a

plurality of teeth on its interior surface, said second bore being counter-sunk at one end and said shank being enlarged to be received in said counter-sunk end, the other end of the shank being provided with a thread and a nut on said threaded end to draw the shank into the second bore causing the locking element to bite into the battery post, the edge of said element being provided with a plurality of teeth adapted to bite into the post. 10

In testimony whereof we affix our signatures.

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