

Oct. 9, 1923.

1,470,433

A. FRETSCHEL
BATTERY CONNECTION
Filed Feb. 28, 1921

Fig. 1.

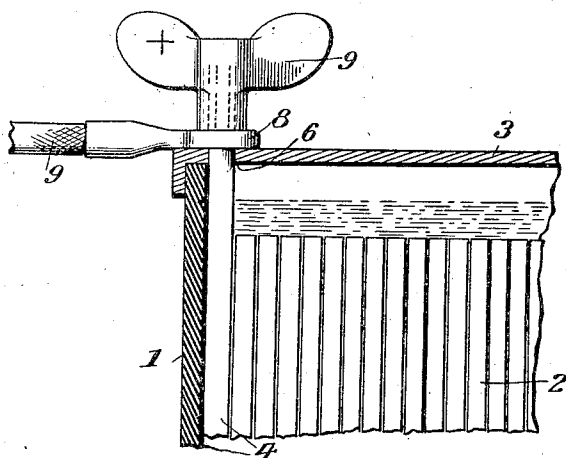


Fig. 2.

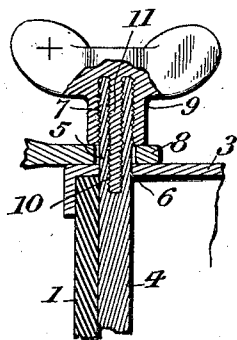
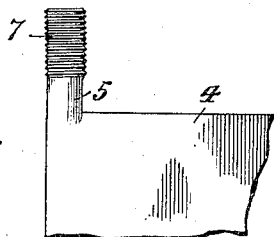


Fig. 3.



Inventor

Adolph Fretschel

By

William Jacobi

Attorney

UNITED STATES PATENT OFFICE.

ADOLPH FRETSCHEL, OF ALMENA, WISCONSIN.

BATTERY CONNECTION.

Application filed February 28, 1921. Serial No. 448,594.

To all whom it may concern:

Be it known that I, ADOLPH FRETSCHEL, a citizen of the United States, residing at Almena, in the county of Barron and State of Wisconsin, have invented certain new and useful Improvements in Battery Connections, of which the following is a specification.

This invention relates to new and useful improvements in storage batteries and more particularly to a connection therefor, and the primary object of the invention is to provide a terminal post in connection with one of the plates of the battery or the like for the ready connection thereto.

A further object of the invention resides in providing a terminal post which projects from the interior of the battery case through the top thereof to be engaged by wire and a wing nut.

Still another object of the invention resides in providing a terminal post which is internally and externally threaded to receive a particular form of nut for positive engagement therewith.

With these and other objects in view, my invention consists in the novel features of construction, combination and arrangement of parts as will be hereinafter referred to and more particularly pointed out in the specification and claim.

In the accompanying drawing forming part of this application, Fig. 1 is a fragmentary section, partly in elevation illustrating a section of a battery with my improved invention incorporated therein;

Fig. 2 is a fragmentary section, partly in elevation showing the detail structure of the battery connection;

Fig. 3 is a fragmentary side elevation of a plate or electrode showing the terminal post formed thereon.

Referring to the drawing in which similar reference characters designate corresponding parts throughout the several views, the numeral 1 designates a storage battery casing or box in which are disposed in the usual or any preferred manner the plates 2 and a cover 3 is provided for the casing. The end plate or electrode is designated as 4 and this plate is provided with an up-standing post 5 which projects through an opening 6 provided in the cover 3. The

lower portion of this post 5 is circular in cross section, as clearly shown in Fig. 3 of the drawing, and the upper portion thereof is externally threaded as shown at 7.

When the cover 3 is properly disposed on the casing so that the post 5 projects there-through, a washer-like connection 8 is adapted to be engaged therewith, the same being the terminal of a wire or other connection 9. This connection 8 is adapted to encircle the circular portion of the post 5 so that the threaded portion 7 projects there-above and a wing nut 9, internally threaded is adapted to be engaged with the threaded end 7 of said post whereby to secure the wire connection in engagement with the terminal.

In order to permanently secure the nut, the post and the wire connection together and provide a means of positive circuit connection, the terminal post 5 is provided with a threaded and elongated central socket while the nut 9 is provided with a central, elongated externally threaded stem. Through this medium the nut is adapted to be securely engaged to the post for the purpose desired and although I have shown but a single post, as many may be provided as desired or necessary. The nut 9 is preferably provided with indicia thereon to designate positive or negative connections.

While I have described the elements best adapted to perform the functions set forth, it is obvious that various changes in form, proportion and in the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the principles of the invention.

What I claim is:—

In a device of the class described, a battery plate provided at its upper edge with an integral terminal post, said post being interiorly and exteriorly threaded, a connection for said post, and a wing nut interiorly threaded for engagement with the externally threaded portion of the post, said nut having a central elongated and threaded stem formed thereon for engagement with the interiorly threaded portion of said terminal post.

In testimony whereof I affix my signature.

ADOLPH FRETSCHEL,