

H. C. BUSCH.
 CONNECTOR AND TERMINAL FOR STORAGE BATTERIES.
 APPLICATION FILED FEB. 27, 1918.

1,292,247.

Patented Jan. 21, 1919.

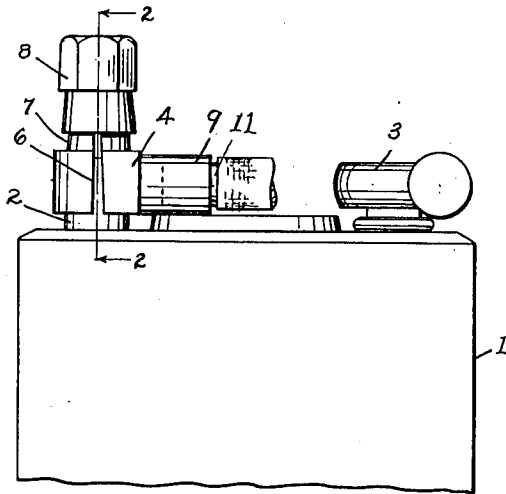


Fig. I.

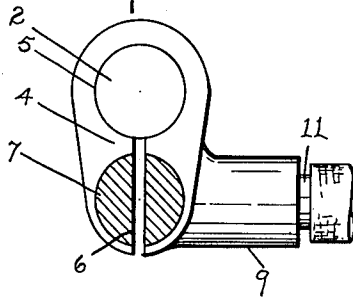


Fig. IV.

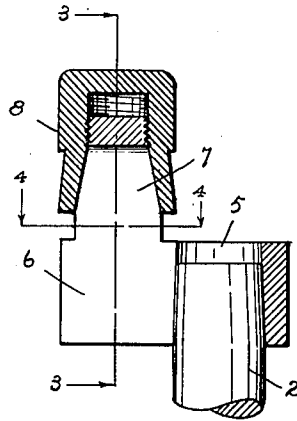


Fig. II.

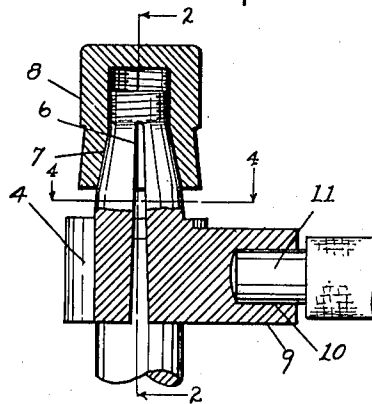


Fig. III.

Witnesses

Lewis Gilman
Fred Ulrich

Inventor
Herbert Busch

By *Chappell & Earl*

Attorneys

UNITED STATES PATENT OFFICE.

HERBERT C. BUSCH, OF JACKSON, MICHIGAN.

CONNECTOR AND TERMINAL FOR STORAGE BATTERIES.

1,292,247.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HERBERT C. BUSCH, a citizen of the United States, residing at Jackson, county of Jackson, State of Michigan, have invented certain new and useful Improvements in Connectors and Terminals for Storage Batteries, of which the following is a specification.

This invention relates to improvements in connectors and terminals for storage batteries.

The main objects of this invention are:

First, to provide an improved storage battery connector which may be secured or released with the aid of a wrench and without danger of injury to other parts of the battery, the nut to be manipulated being readily accessible.

Second, to provide an improved storage battery connector and terminal which is economical to produce and durable in use.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawings, forming a part of this specification, in which:

Figure I is an end view of a storage battery embodying the features of my invention, the parts being shown mainly in conventional form.

Fig. II is a detail vertical section on a line corresponding to line 2—2 of Figs. I and III.

Fig. III is a detail view partially in vertical section on a line corresponding to line 3—3 of Fig. II.

Fig. IV is a detail horizontal section on a line corresponding to line 4—4 of Fig. III.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, 1 represents the casing of the battery, 2 one of the posts, and

3 one of the cell connectors. These parts are shown conventionally and form no part of my present invention.

My improved battery connector and terminal 4 is provided with a vertical socket 5 adapted to engage the post 2, the socket having a vertical split 6 at one side. This split extends into the conical vertical extension 7. This extension is threaded to receive the cap nut 8 which may be turned down upon the extension, thus clamping the socket upon the post.

The connector is provided with a laterally projecting terminal arm 9 having a socket 10 therein in which the end of the conductor 11 is secured by solder or by other suitable means.

By forming the connector as illustrated and described it may be secured or freed by manipulation of the nut with a wrench and the nut is fully accessible and also in such position that other parts of the battery are not likely to be injured.

A further advantage is that the nut is positioned so that there is little likelihood of its being corroded so as to interfere with its easy removal or to destroy the same.

My improved connector is simple and economical in structure being very convenient to use and well adapted for attachment and detachment by unskilled persons.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A storage battery connector provided with a laterally projecting terminal arm adapted to receive a conductor, and a post clamping socket vertically split at one side and having a conical vertical extension into which such split extends, and a cap nut threaded upon said extension to clamp said socket upon a post.

2. A storage battery connector provided with a terminal arm adapted to receive a conductor and a vertically split post clamping socket, and having a conical vertical extension into which such split extends, and a clamping nut threaded upon said extension.

3. A storage battery connector provided with a post clamping socket split at one

side and having a conical vertical extension into which such split extends, and a clamping nut threaded upon said extension.

4. A storage battery connector provided
5 with a split post clamping socket and having a conical vertical extension into which such split extends, and a clamping nut threaded upon said extension.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses. 10

HERBERT C. BUSCH. [L. s.]

Witnesses:

VIOLA T. LOESER,
HUGO C. LOESER.