L. A. THOMAS.

TERMINAL CLIP.

APPLICATION FILED JUNE 5, 1914.

1,132,500. Patented Mar. 16, 1915.

Fig. 1.

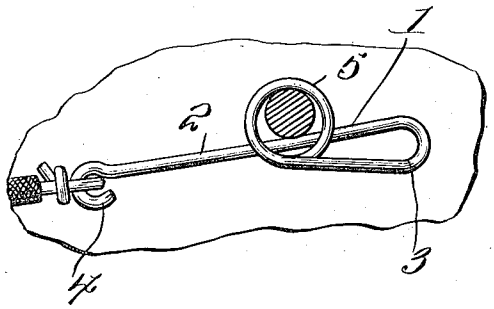


Fig. 2.

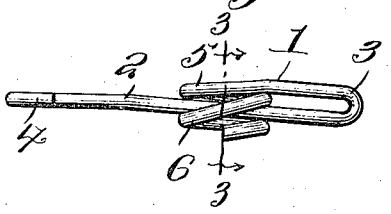
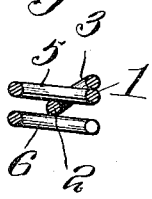


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

LESLIE ALBERT THOMAS, OF EVANSVILLE, INDIANA.

TERMINAL CLIP.

1,132,500. Specification of Letters Patent. Patented Mar. 16, 1915.

Application filed June 5, 1914. Serial No. 843,263.

To all whom it may concern:

Be it known that I, LESLIE A. THOMAS, a citizen of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented new and useful Improvements in Terminal Clips, of which the following is a specification.

This invention relates to improvements in terminal clips or connectors for electric current carrying conductors and has particular application to a spring clip or connector.

In carrying out the present invention, it is my purpose to provide a spring clip or connector for the terminals of electric current wires which will be constructed of a single length of wire bent upon itself approximately centrally of its ends and having one end coiled or looped and lying against the adjacent straight portion, the latter intersecting the loop approximately centrally thereof and capable of movement to one side of the center line of the loop in order that the latter may be disposed about the binding post whereby a clamping action will be produced upon the release of the clip or connector owing to the tendency of the parts to return to normal position.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts hereinafter set forth in and falling within the scope of the claims.

In the accompanying drawing; Figure 1 is a top plan view of a connector constructed in accordance with the present invention, the same being shown in use. Fig. 2 is a view in side elevation of the connector removed. Fig. 3 is a cross sectional view through the connector.

Referring now to the drawing in detail, 1 designates my improved connector as an entirety, such connector comprising a single length of wire 2 bent upon itself between its ends as at 3 and having the free end of one limb thereof bent to provide a hook 4 and the remaining limb coiled upon itself to form superposed coils 5 and 6 disposed at the opposite sides of the straight limb of the wire and in engagement therewith, the straight limb of the wire intersecting the coils approximately centrally thereof.

In practice, the hook 4 is connected with the terminal of the wire or conductor and the limbs of the connector may be grasped between the thumb and forefinger at the bend 2 and the straight limb moved within the space between the coils 5 and 6 toward the other limb so as to enlarge the circular opening defined by the coils. The coils are now slid over the binding post and the limbs of the connector released whereby the straight limb tends to spring back to normal position and so engages the adjacent portion of the binding post with the effect to set up a clamping action between the parts whereby accidental disconnection of the wire or conductor from the terminal post or binding post is eliminated. If desired, the hook 4 may be eliminated and the wire terminal soldered or otherwise secured to the connector.

In the event of the connector or clip being employed to form a connection between the cells of a battery, both ends of the wire 2 are bent upon themselves to form the clips so that the device may be readily and quickly applied to the terminals of the cells.

I claim:

1. A connector of the class described comprising a single length of wire bent upon itself between its ends and having the outer end of one limb thereof adapted to be connected with a conductor and the remaining limb bent upon itself to form superposed coils, said coils being disposed at the opposite sides of the straight portion of the first mentioned limb and being intersected by the latter at a point approximately centrally thereof.

2. A connector of the class described comprising a single length of wire bent upon itself approximately centrally of its ends and having the outer end of one limb thereof formed to provide a hook designed for connection with the terminal of a conductor and the remaining limb formed to provide a coil, said coil lying in contact with the straight portion of the first mentioned limb of the wire and being intersected by such limb at a point approximately centrally thereof.

In testimony whereof I affix my signature in presence of two witnesses.

LESLIE ALBERT THOMAS.

Witnesses:

C. O. DOERTER,

ADOLPH VOLDERAUER.