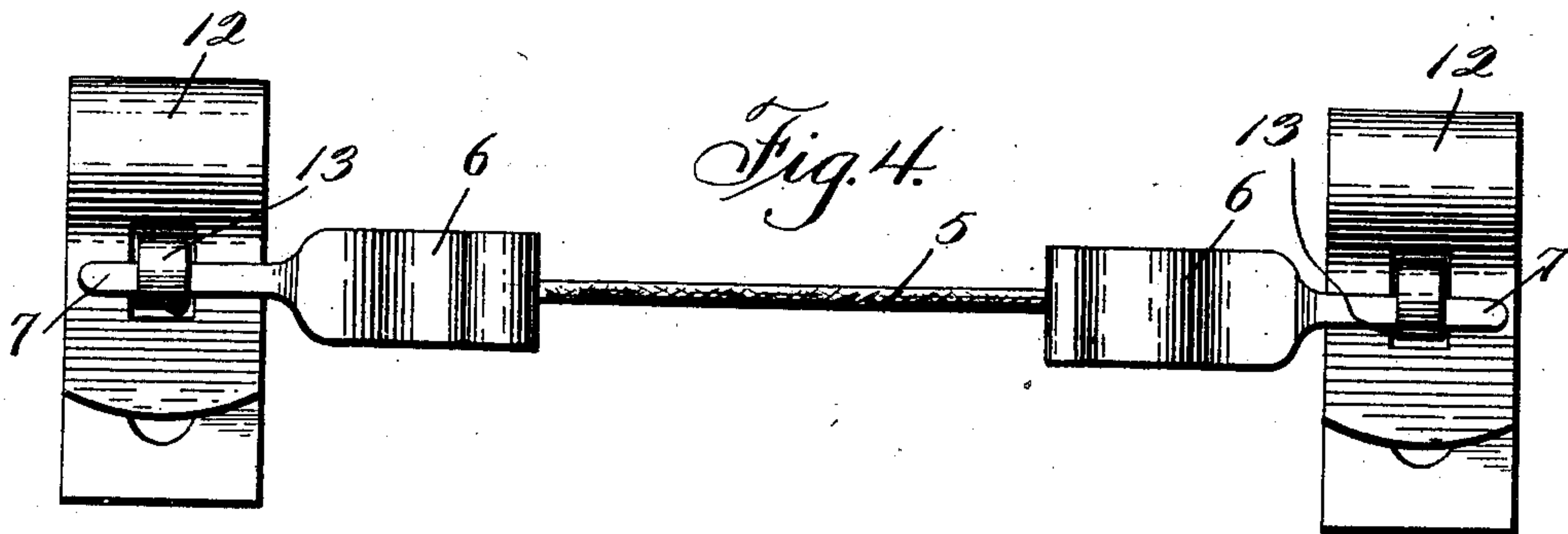
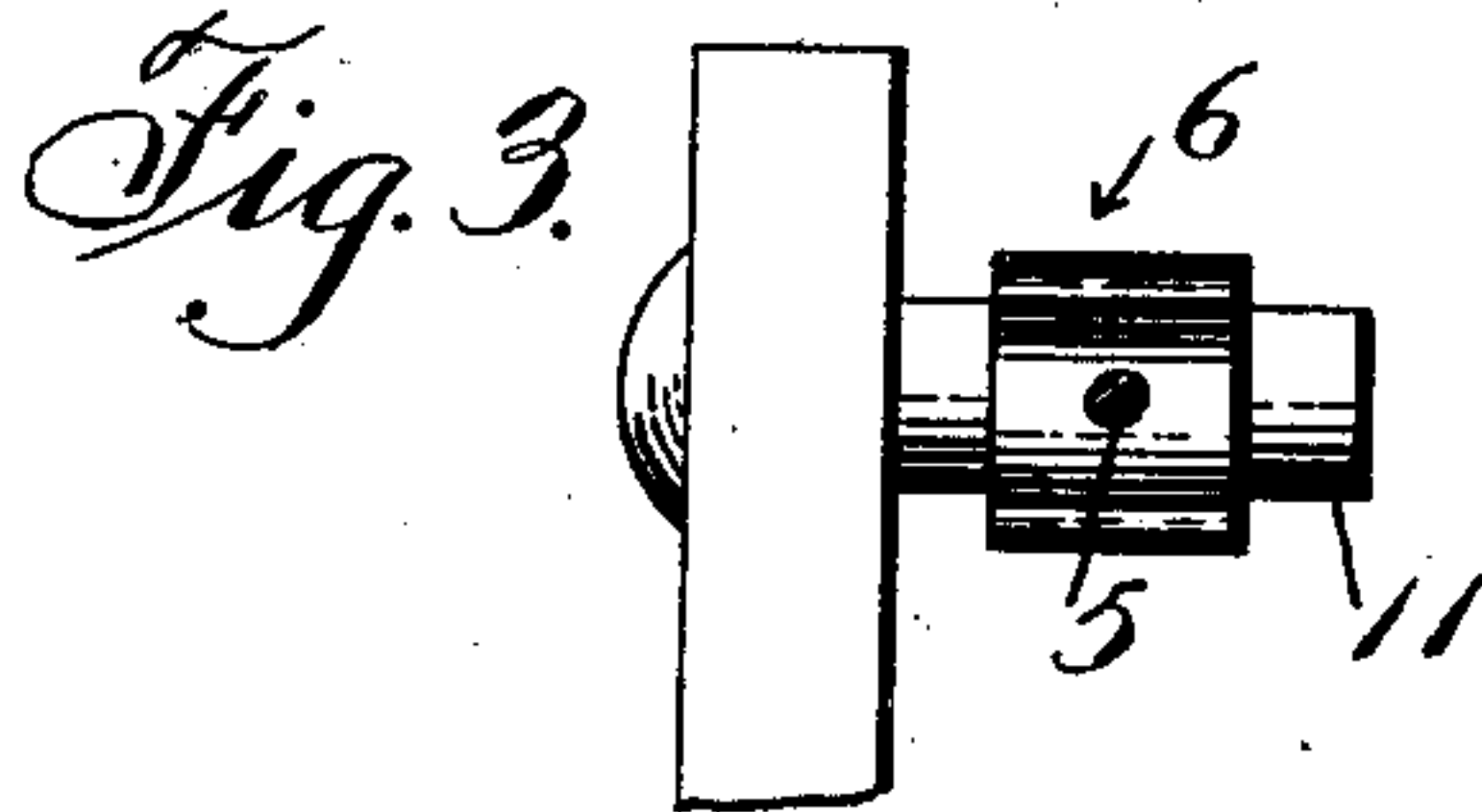
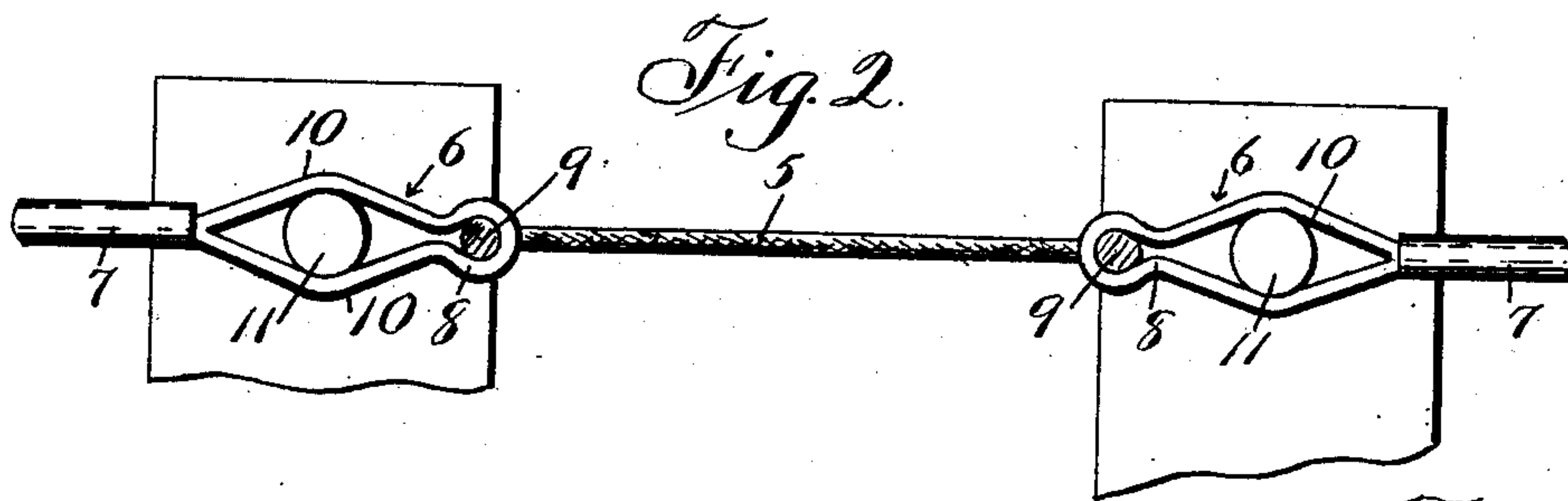
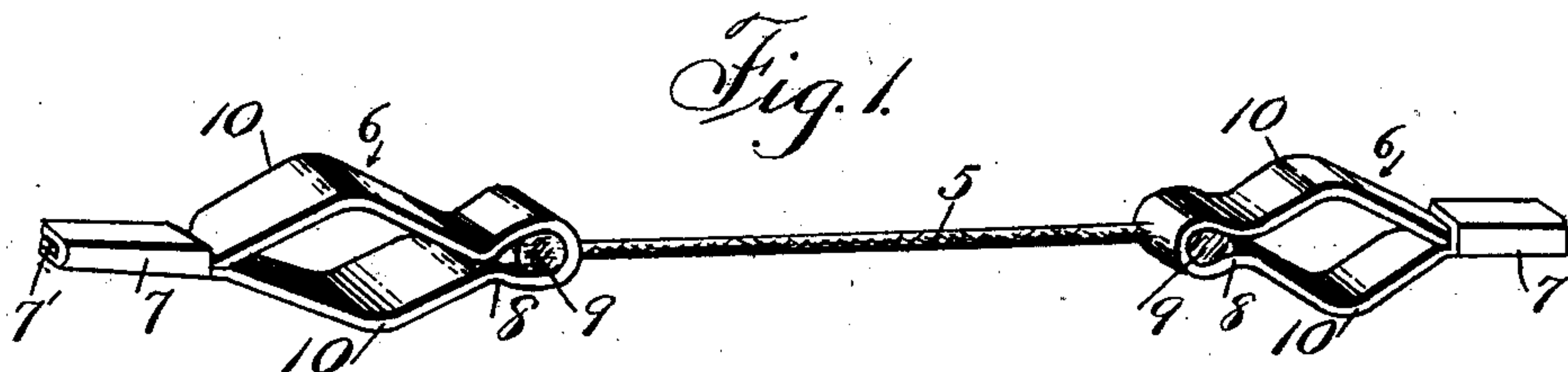


O. E. PETTEE.  
BATTERY CONNECTION.  
APPLICATION FILED OCT. 14, 1908.

924,826.

Patented June 15, 1909.



Witnesses  
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# UNITED STATES PATENT OFFICE.

OLIVER E. PETTEE, OF ROCKLAND, MAINE.

## BATTERY CONNECTION.

No. 924,826.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed October 14, 1908. Serial No. 457,708.

*To all whom it may concern:*

Be it known that I, OLIVER E. PETTEE, a citizen of the United States, residing at Rockland, in the county of Knox, State of Maine, have invented certain new and useful Improvements in Battery Connections; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to battery connections, and has for its object to provide a device of this kind which may be applied to different forms of terminals, and which, when applied, will maintain a perfect contact.

In the accompanying drawings, Figure 1 is a perspective view of the invention. Fig. 2 is an elevation, and, Fig. 3 is an end view, showing the application thereof. Fig. 4 is a plan view of the connection applied to a different form of terminal. Fig. 5 is a view of a modified form of the invention.

Referring more particularly to the drawing, the invention comprises a flexible conductor 5 which carries at each end a connecting device 6 consisting of a pin and a clamp, either of which parts may be used for attaching the conductor to the terminals of the batteries.

The connecting device comprises a strip of thin resilient sheet metal which is looped or bent to form two opposite branches which are brought together and connected at one end, said ends being reduced in width to form a pin. In the form of the device shown in Figs. 1 to 4 this pin is formed by one of the ends being reduced on each side from the body of the strip while the other end is reduced on one side only, the partially reduced portion 7 being folded over the reduced portion 7' of the other end. In the form shown in Fig. 5 each portion is reduced in the manner indicated at 7 and the two soldered together.

Adjacent to the opposite or looped end of the strip, the two branches are bent toward each other as indicated at 8, and in the pocket thus formed between said looped end and the bent-in portion 8, solder 9 is flowed to secure the wires of which the conductor 5 is formed, said wires being passed through an opening in the looped end of the strip, and secured by the solder. Between the bent-in portions 8 of the strip, and the pin portion 7, the two branches are bowed outwardly to

form a pair of opposite spring clamping jaws 10.

In use, if the battery elements to be connected are provided with screw terminals 11 as shown in Figs. 2 and 3, the jaws 10 are slipped over the same and are securely held thereon by reason of their resiliency, without the use of a binding nut, and as the screw is engaged by the jaws on opposite sides a good contact is assured.

In Fig. 4 the connector is shown applied to the terminal clips 12 shown and described in Reissue Patent No. 12,642, of J. Schade, Jr., and used on what are known as the Fahnestock batteries. When used in connection with this form of clip, the pins 7 are inserted into the hooks 13 thereof. If it is desired to connect a Fahnestock battery with a battery having a screw terminal, one of the devices 6 will be applied to the hook of the Schade clip, and the other device 6 to the screw terminal of the other battery.

What is claimed is:

1. A battery connector, comprising a member including a pin, a pocket, and a pair of clamping jaws.

2. A battery connector comprising a member including a pin and a pocket, and a pair of clamping jaws located therebetween.

3. A battery connector comprising a doubled strip of metal formed with a pin, a pocket and a pair of clamping jaws.

4. A battery connector comprising a doubled strip of spring metal having its ends connected and reduced to form a pin, the two branches of the strip being bent to form a pocket and a pair of clamping jaws.

5. A battery connector comprising a metal strip bent to form a pair of opposite branches, said strip having one end thereof reduced, and the other end folded over the first end to provide a pin.

6. A battery connector comprising a metal strip doubled upon itself to provide a pocket, one end of said strip being reduced, and the other end folded over the first end to provide a pin.

7. A battery connector comprising a metal strip folded upon itself and having one end thereof reduced, and the other end folded over the first end to provide a pin, the folded portions of said strip being oppositely bowed to provide clamping jaws.

8. A battery connector comprising a metal strip having its ends brought together, one of said ends being reduced and the other end

positively engaged with the first end to provide a pin.

- 5 9. A battery connector comprising a metal strip having its ends brought together, one of said ends being reduced and the other end of said strip having a portion thereof engaged with the first end to provide a pin.

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

OLIVER E. PETTEE.

Witnesses:

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