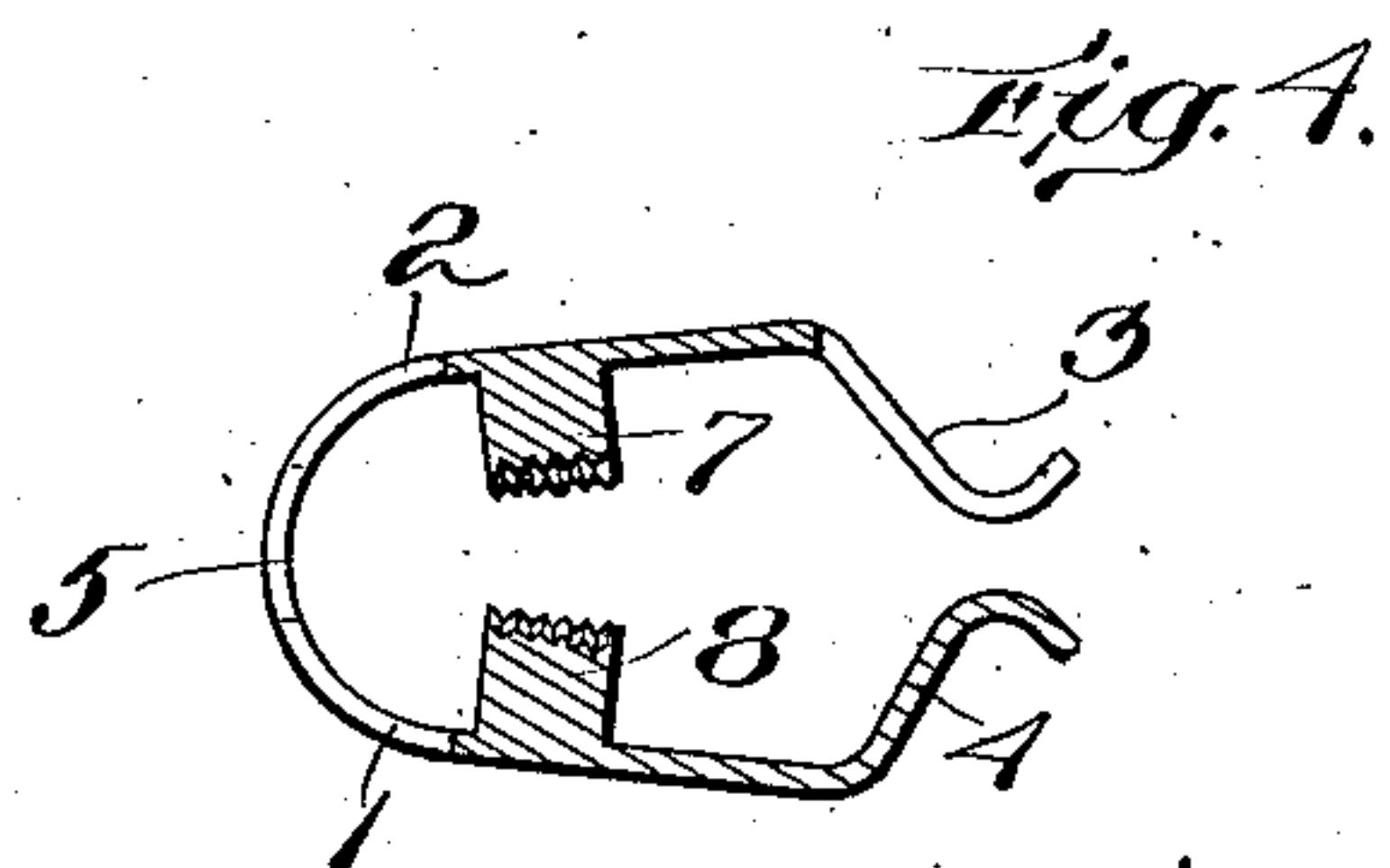
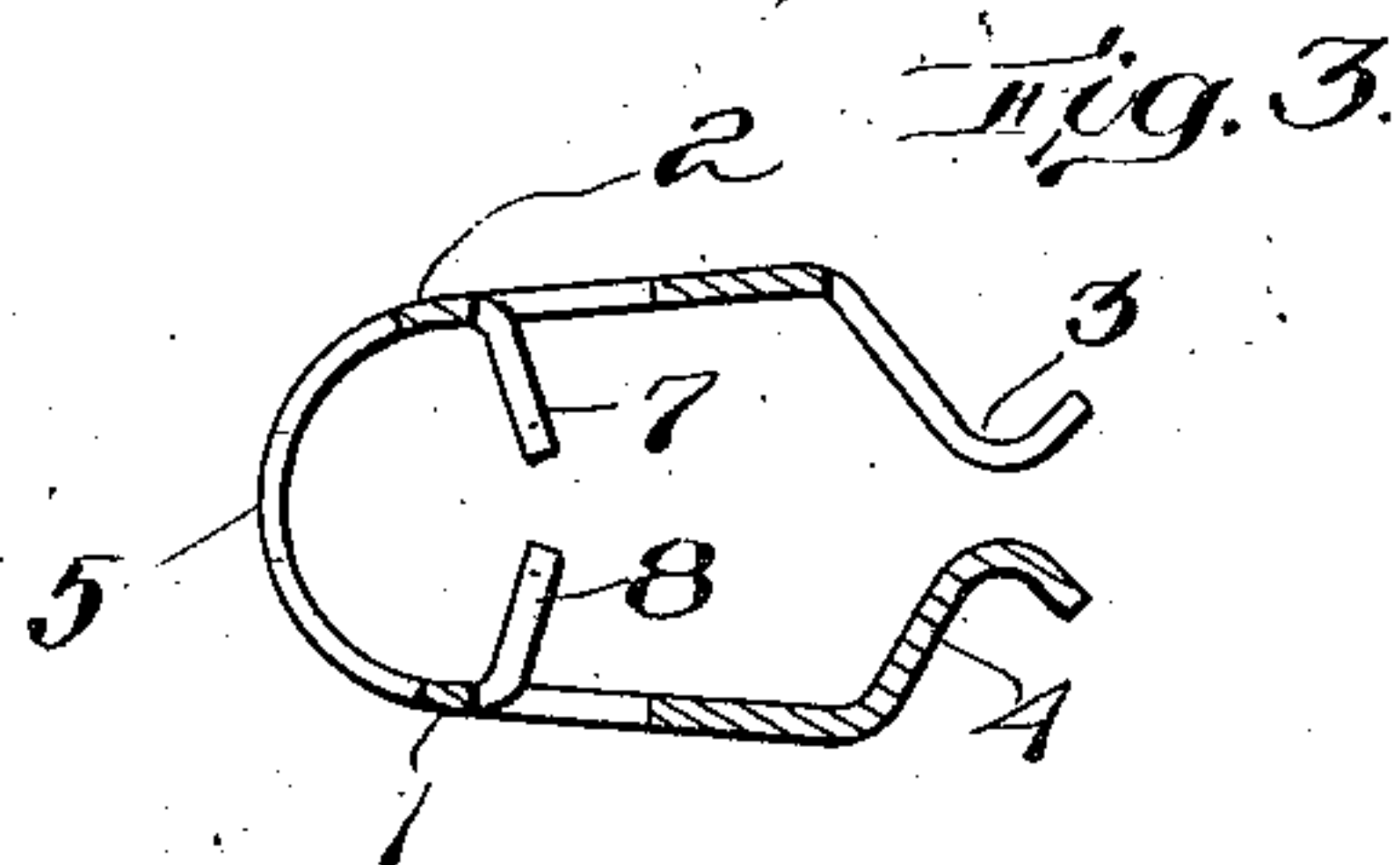
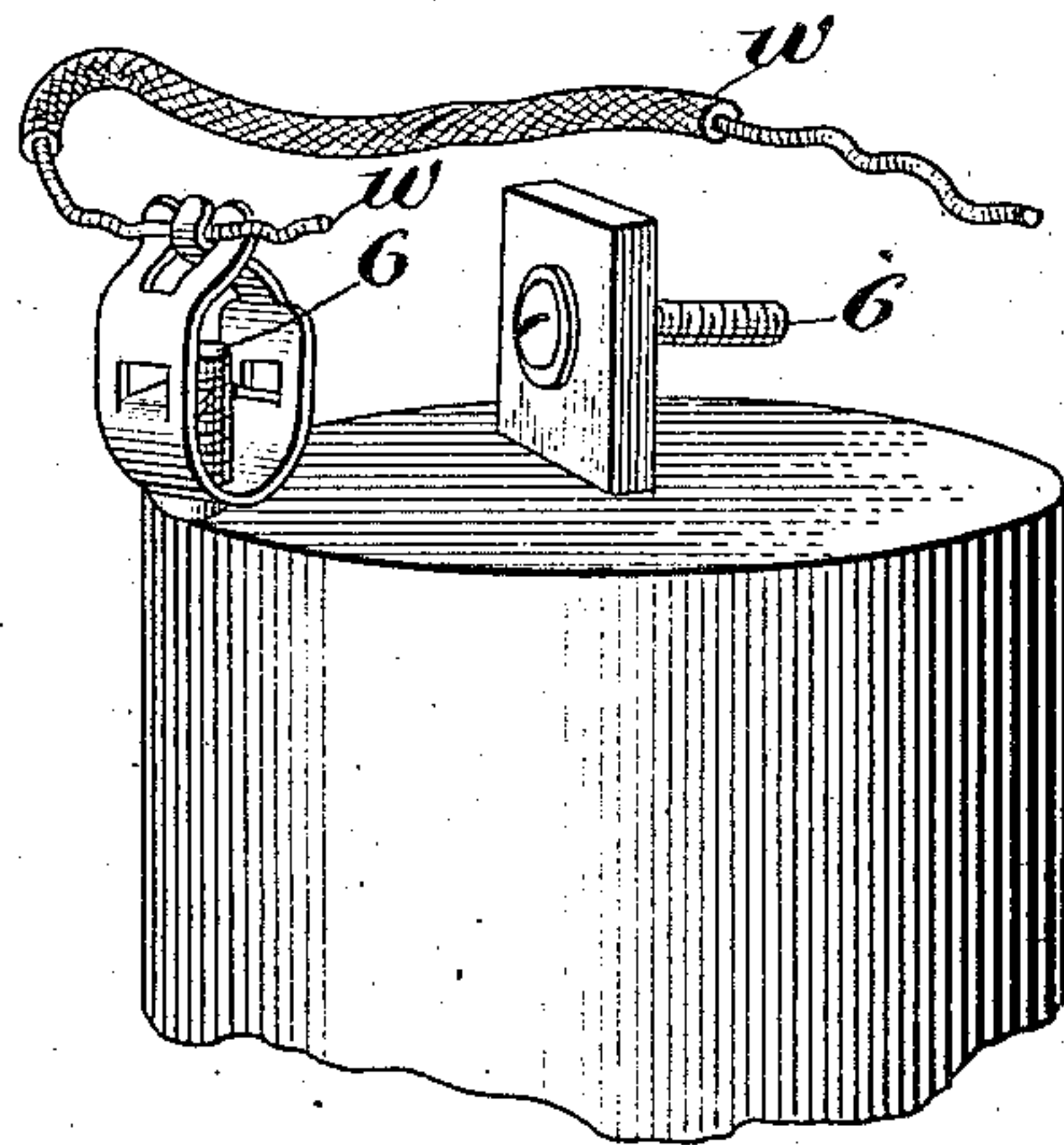
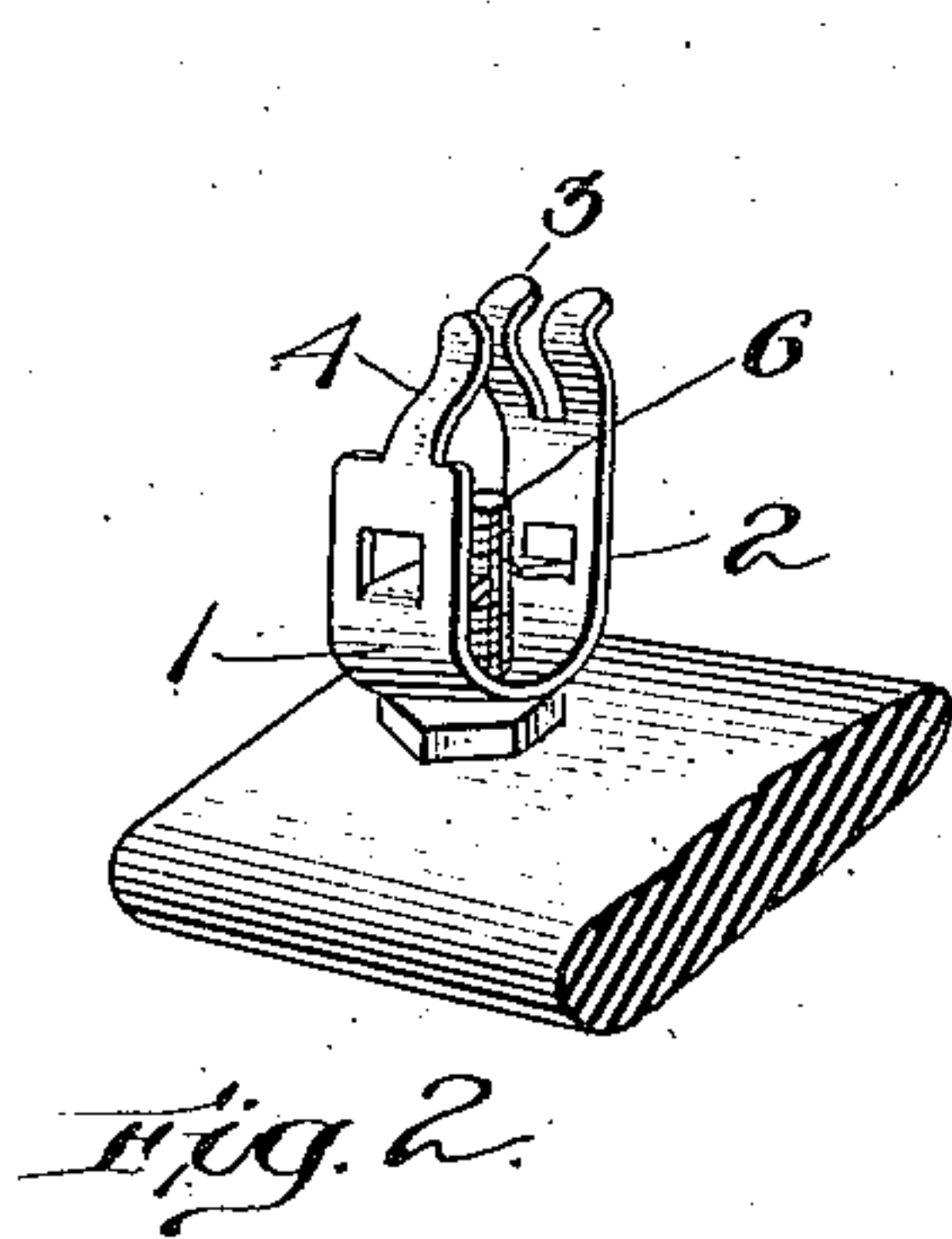


No. 842,771.

PATENTED JAN. 29, 1907.

G. H. COVE.
BATTERY BINDING POST ATTACHMENT.

APPLICATION FILED NOV. 26, 1906



Witnesses:

Arthur E. Randall.

Edward Maxwell.

Inventor:

George H. Cove.

by Geo. H. Maxwell,
Attorney

UNITED STATES PATENT OFFICE.

GEORGE H. COVE, OF ROXBURY, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
TO FRANK R. KIMBALL, OF BOSTON, MASSACHUSETTS.

BATTERY BINDING-POST ATTACHMENT.

No. 842,771.

Specification of Letters Patent.

Patented Jan. 29, 1907.

Application filed November 26, 1906. Serial No. 345,016.

To all whom it may concern:

Be it known that I, GEORGE H. COVE, a citizen of the United States, residing at Roxbury, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Battery Binding-Post Attachments, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

My invention is an improvement on the binding-post attachment shown in my application, Serial No. 303,986, filed March 3, 1906, in which the securing nut or means was shown as a centrally-perforated and threaded nut fastened securely between the opposite arms or spring members, so that the application and removal of the attachment to the usual threaded post of the battery required that the attachment should be screwed around like a usual nut, whereas in my present improvement the nut or securing means simply engages the threads at the opposite sides of the threaded post in a laterally-re-
movable manner, so that the rotary screwing motion and the delay thereof are avoided.

In carrying out my invention I provide opposite thread-engaging means for detachably clamping the attachment onto the threaded post of the battery or other electrical apparatus or device, so that when the arms are in wire-clamped engagement the attachment is thereby held automatically in fixed engagement on the post and when the arms are released from wire-holding position the attachment is thereby automatically released from said fixed position.

In the accompanying drawings, Figure 1 is a perspective view of a usual dry battery provided with my attachment, shown in operative wire-holding position. Fig. 2 is a perspective view showing the attachment in wire-released position. Fig. 3 shows the attachment in side elevation, partly broken away; and Fig. 4 is a vertical sectional view of a slightly-different construction.

While my attachment is capable of a wide variety of embodiments within the spirit and scope of my claims, as hereinafter set forth, it preferably consists in its preferred form of a strip of spring metal bent in U shape to form opposite spring-arms 1 2, having tongues 3 4, the latter being downwardly bent, as shown, (see Fig. 3,) and the tongues

3 being spaced apart to embrace said tongue 4 and being upwardly bent, said tongues having grooves or hollows for receiving and retaining a wire *w* when sprung past each other to the position shown in Fig. 1. The U-shaped metal strip is perforated at 5 to fit over a usual threaded screw or binding-post 6, and the opposite projecting spring members 1 2 are provided on their inner sides with embracing jaws or securing means, which may be secured thereto in any desired manner, but preferably consist of pieces 7 8, struck in from the metal of said arms themselves, as clearly shown, said jaws 7 8 projecting approximately perpendicularly to the arms 1 and 2 and being of such a length that when the arms are pinched together for retaining a wire the jaws 7 8 are thereby caused to bite into or grip the post 6, and hence automatically clamp the attachment fixedly in circuit-closing operative position on the battery-post 6. When the wire *w* is released, thereby permitting the tongues 3 and 4 to spring apart to the position shown in Fig. 2, the arms 1 and 2 automatically withdraw the clamping-jaws 7 and 8 from engagement with the post. Thus it will be obvious that the attachment may be applied or removed instantly, and all the delay of securing the same onto the threaded post 6 is obviated. The clamping-jaws 7 and 8 engage the threads on the post the same as the nut in my previous application and constitute substantially a nut which is divided into two parts, carried, respectively, by the opposite arms, instead of being formed integrally as a single piece, as shown in my before-mentioned application. For all practical purposes it is usually sufficient that the jaws 7 and 8 should have simply one thread or engaging edge to fit into the threads of the post 6, although they may have a wider engaging surface provided with more extensive threads for interlocking with a greater extent of threaded surface of the post 6, if desired, the same as in my previous application. Such a construction is shown in Fig. 4, which I consider a substantial equivalent of Fig. 3 in its essentials.

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

1. A battery binding-post attachment, comprising a U-shaped member having op-

posite approximately parallel arms provided at their free ends with cooperating wire-retaining tongues adapted to be moved past each other into wire-retaining position, and
5 normally separated from each other out of wire-retaining position, and clamping means carried by said U-shaped member between the opposite projecting arms, moved by said arms into clamping position when the arms
10 approach each other, and out of clamping position when the arms recede from each other.

2. A battery binding-post attachment, comprising a U-shaped member having op-

posite approximately parallel arms provided at their free ends with wire-embracing
15 tongues and having clamping-jaws projecting inwardly from said arms in position to clamp the attachment in fixed position when the attachment is in wire-retaining position.

In testimony whereof I have signed my
20 name to this specification in the presence of two subscribing witnesses.

GEORGE H. COVE.

Witnesses:

GEO. H. MAXWELL,
M. J. SPALDING.