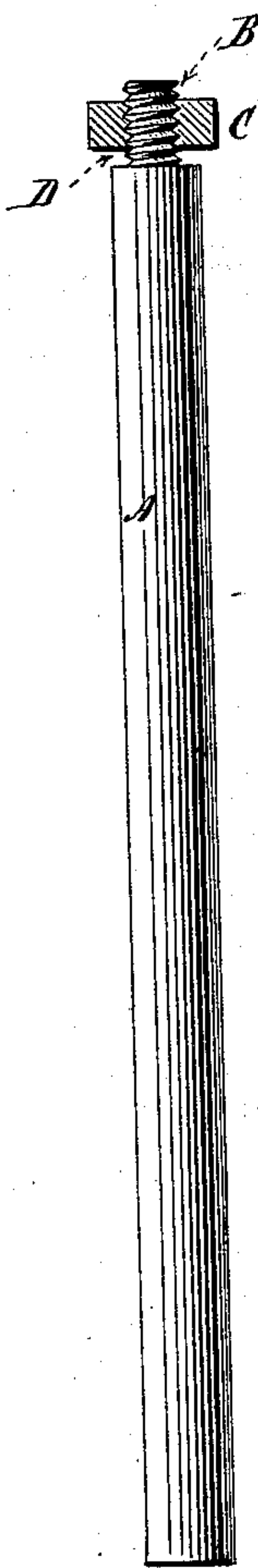


(No Model.)

H. J. BREWER.
ZINC FOR BATTERIES.

No. 258,361.

Patented May 23, 1882.



Witnesses:

Geo. W. Mott
Anthony Dief

Inventor:

Horatio J. Brewer
By his Attorney
E. N. Dickerson

UNITED STATES PATENT OFFICE.

HORATIO J. BREWER, OF NEW YORK, N. Y.

ZINC FOR BATTERIES.

SPECIFICATION forming part of Letters Patent No. 258,361, dated May 23, 1882.

Application filed April 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, HORATIO J. BREWER, of the city, county, and State of New York, have invented a new and useful Improvement
5 in Zincs for Batteries, of which the following is a full, true, and exact description, reference being had to the accompanying drawing.

My invention relates to a new and improved zinc, by means of which I obtain a
10 much more certain contact between the conducting wire or strip and the zinc, and a less resistance at said point of contact, and also, as I believe, a greater electromotive force in the current generated.

15 It has heretofore been customary to connect the wires of circular zincs, such as those used in Leclanché batteries, by soldering the connecting-wire into the end. Sometimes, also, a metallic rod has been soldered into the zinc
20 and a screw-nut placed upon said rod. It has been found difficult to obtain a perfect connection between the foreign metal and the zinc, and owing to the acids of the battery such connection is sometimes destroyed. By
25 my improvement a screw-thread is cast upon the end of the zinc and a nut is placed thereon, adapted to clamp a wire beneath it.

My invention will be readily understood

from the accompanying drawing, which represents a perspective view, showing the nut in
30 section.

A represents a zinc. B represents a screw-thread cast upon part of the zinc. C represents a nut, preferably of brass, screwing upon the screw-thread B. A wire is placed in the
35 space D between the nut and the zinc. By this arrangement I get a perfect contact between the nut C and the zinc B, and this extended contact produces a very beneficial result upon the current.
40

My zinc is also much more economical to construct, and as the thread B is made upon part of the zinc itself it can never be disconnected therefrom.

What I claim as my invention, and desire to
45 secure by Letters Patent, is—

A zinc element for galvanic batteries, which consists of a zinc rod, A, provided with a screw-thread, B, cut upon it, and a nut, C, of different material screwing upon said screw-thread,
50 and adapted to clamp the wire or strip beneath it, substantially as described.

HORATIO J. BREWER.

Witnesses:

GEO. H. EVANS,
ANTHONY GREF, JR.