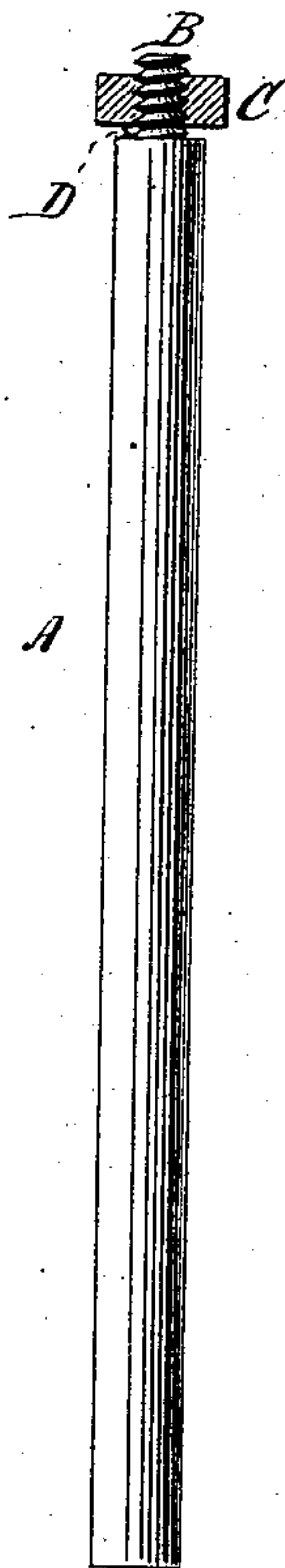


(No Model.)

H. J. BREWER.  
ZINC FOR BATTERIES.

No. 291,286.

Patented Jan. 1, 1884.



Witnesses:  
Anthony Grief  
Charles E. Wright

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. 291,286, dated January 1, 1884.

Application filed March 31, 1883. (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 certain  
10 contact between the conducting wire or strip and the zinc, and a low resistance at said point of contact. I have heretofore, on the 23d day of May, 1882, obtained Letters Patent of the  
15 United States for a zinc constructed like the one here shown. It has been found in practice, however, that by the use of a brass or other nut of a different material from the zinc itself a liability to electrical action arose between the nut and the zinc, thereby injuring the con-  
20 tact there. I have discovered that by making the nut of zinc, as well as the body of zinc itself, this difficulty is avoided, and a simple

and inexpensive zinc is obtained, in which the liability to bad contacts is almost entirely ob-  
viated.

My invention will be readily understood  
25 from the accompanying drawing, which represents a perspective view, showing the nut in section.

A represents the zinc; B, the screw-thread, 30 which is cast in the zinc at the time of making it. C represents a nut made of zinc. The connecting-wire is placed in the space D, between the nut C and the zinc A.

What I claim as my invention, and desire 35 to secure by Letters Patent, is—

The combination of the zinc A, the thread B, permanently cast in the zinc A, and the zinc nut C, screwing upon the thread B, substantially as described.

HORATIO J. BREWER.

Witnesses:

ANTHONY GREF,  
GEO. W. MIATT.