

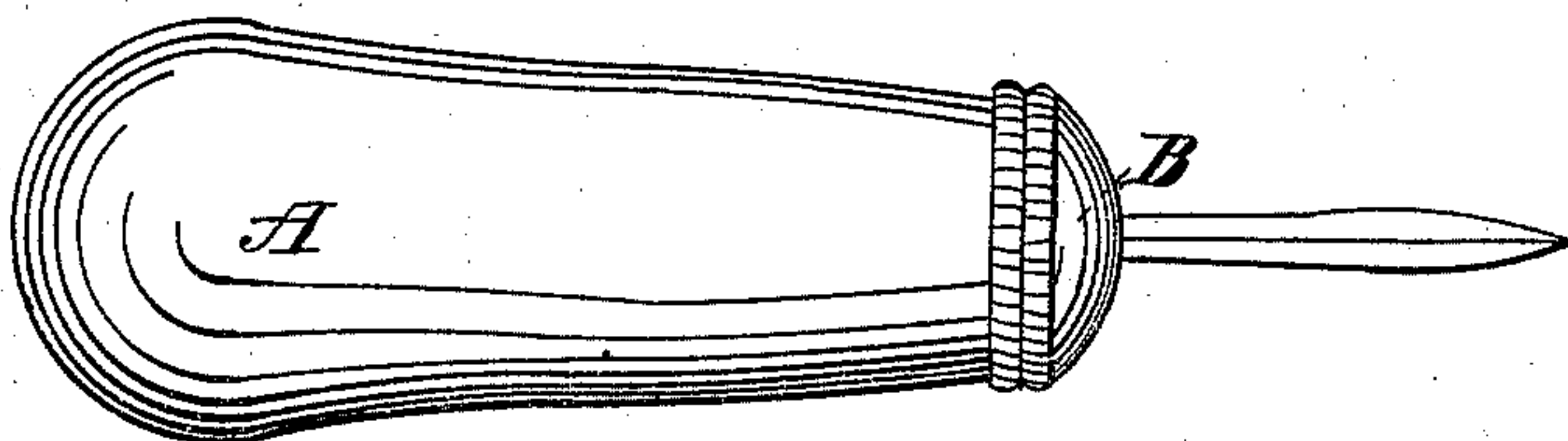
*N. S. Clement,*

*Artl Handle.*

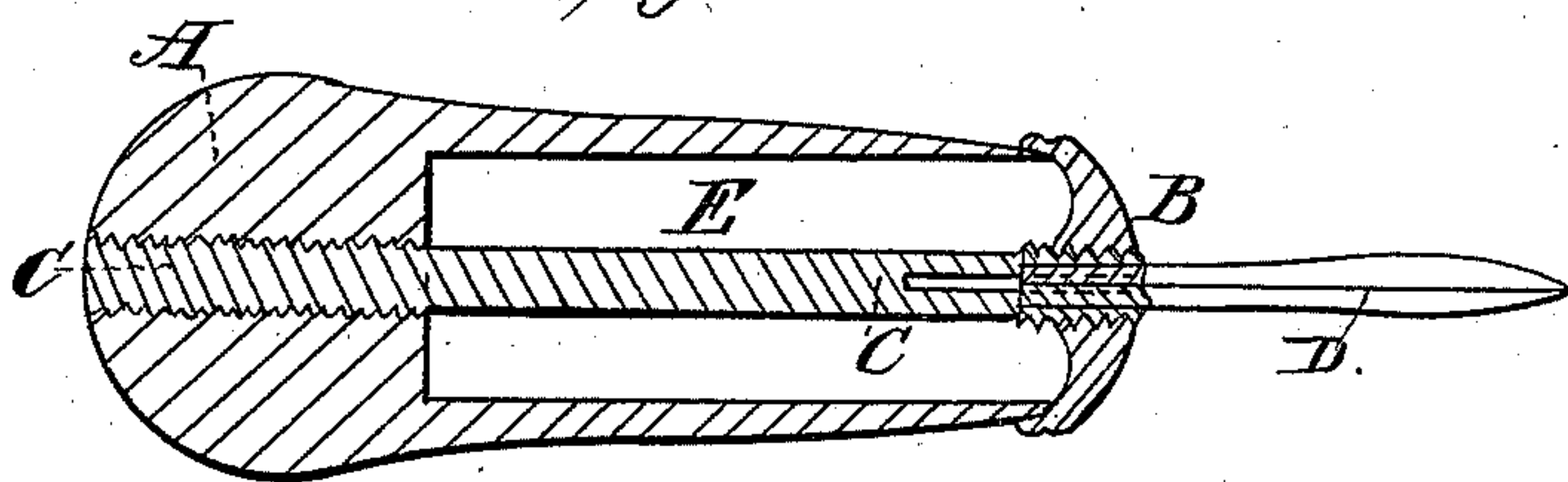
*N<sup>o</sup> 17,078.*

*Patented Apr. 21, 1857.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Thympton Marshall  
Moses Clement.*

*Inventor.*

*N. S. Clement.*

# UNITED STATES PATENT OFFICE.

N. S. CLEMENT, OF WORCESTER, MASSACHUSETTS.

## AWL-HAFT.

Specification of Letters Patent No. 17,078, dated April 21, 1857.

*To all whom it may concern:*

Be it known that I, NATHAN S. CLEMENT, of the city and county of Worcester, in the State of Massachusetts, have invented a new and useful Improvement in Awl-Hafts; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a side elevation and Fig. 2 a side sectional view of the same.

The nature of my improvement consists in making the cavity or chamber for the tools or awls; on the same end of the haft that the jaws are, between which the awl is firmly held when used; so that when the nut which surrounds the jaws; and presses them together; is screwed on it will form the cover to the chamber; thereby making a very simple and effective awl-haft of only three pieces namely; the handle which is wood; the slotted screw which is the jaws to hold the awl, and the bur-nut that screws on to the same which is cover to the chamber, and ferrule for the handle.

To enable others skilled in the art to make and use my improved awl-haft, I will proceed to describe its construction and operation.

A is the handle having the chamber for the awls on the same end in which the awls are fastened when used.

C is a stem which passes through the chamber with one end screwed firmly into the handle and the other end a tapering screw slotted so as to receive the awl; B, a

bur-nut screwed on to the slotted screw to press it together so as to hold the awl and at the same time form a cover to the chamber and ferrule for the handle.

To operate it after being made and put together as shown and described; turn off the bur-nut which is cover to the chamber containing the awls, and place the one desired into the slot in the screw and then turn on the nut which will press together as it is turned on the slotted screw it being tapering so as to hold fast the awl placed in the slot, thus making a very simple and effective awl-haft of less pieces and less trouble to change one awl for another; than in hafts where the chamber is on the opposite end which requires the use of a wrench kept in the chamber as in Aiken's or on a separate handle as in Hemmingway's or a bur-nut as in W. Marple's and others, to liberate the awl; and then the unscrewing of the cap or cover to get at the awls, so as to change one for the other; and then the screwing on the cap, and the tightening of the awl placed between the jaws by turning it the opposite way from that by which it was liberated.

What I claim and desire to secure by Letters Patent is—

An awl-haft constructed as herein set forth having the chamber for spare awls, on the same end with the gripping jaws and when closed in the manner specified.

N. S. CLEMENT.

Witnesses:

Z. PLYMPTON MARSHALL,  
MOSES CLEMENTS.