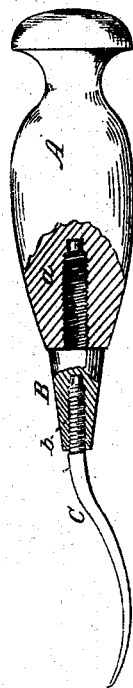


A. Egan,

Awl.

No. 47,403.

Patented Apr. 25. 1865.



Inventor.

*R. Egan
Pyralum Co
[Signature]*

Witnesses:

*M. Ahearne
Geo. Smith
[Signature]*

UNITED STATES PATENT OFFICE.

R. EGAN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN AWLS.

Specification forming part of Letters Patent No. 47,403, dated April 25, 1865.

To all whom it may concern:

Be it known that I, R. EGAN, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Awls; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The drawing, consisting of only one figure, represents an awl made according to my invention.

This invention consists in a novel manner of fastening an awl into its haft, whereby it is easily and securely fixed in place without strain upon the awl and without the usual liability of splitting the handle.

The ordinary mode of constructing handles or hafts for awls is to surround that end which receives the shank of the awl with a ferrule to prevent the wooden handle from being rent when the said shank is forced or driven into it.

Another mode of making awl-hafts sometimes used, but chiefly for pegging-awls, is by inclosing within such a ferrule an expanding nut made by dividing the nut into longitudinal divisions, which open away from each other when the nut is screwed outward, and the shank of the awl being then placed in it,

and the nut screwed home on the haft, the awl is clamped in the nut.

My invention is described as follows: A is the wooden haft. B is a metal socket piece, which forms the end of the haft, to which it is attached by means of a stout tongue, *a*, screwed into the wooden haft. *b* is a socket having an internal screw-thread formed therein, which receives the threaded shank of the awl C.

This construction enables me to produce a cheaper article, which is at the same time stronger and more durable than those prepared in other ways heretofore known or used, and also better fitted for heavy work. The haft, moreover, is not liable to be split in the operation of fixing the awl therein, nor is it a tedious operation to fix it therein.

This invention is applicable to awls for shoe-makers' as well as for saddlers' use.

I claim as new and desire to secure by Letters Patent—

1. Constructing awl-hafts in the manner substantially as above described.

2. In combination with the screw-threaded socket-piece B, constructed as specified, forming a screw-thread upon the shank of the awl, as and for the purpose set forth.

Witnesses:

R. EGAN.

M. M. LIVINGSTON,
C. L. TOPLIFF.