

G. P. HARLEY.

AWLS.

No. 189,934.

Patented April 24, 1877.

Fig. 1.



Fig. 2.



WITNESSES:

Francis Mc Ardle.
J. H. Scarborough.

INVENTOR:

G. P. Harley.
BY *[Signature]*

ATTORNEYS.

UNITED STATES PATENT OFFICE

GEORGE P. HARLEY, OF ALLENDALE, SOUTH CAROLINA.

IMPROVEMENT IN AWLS.

Specification forming part of Letters Patent No. **189,934**, dated April 24, 1877; application filed February 26, 1877.

To all whom it may concern:

Be it known that I, GEORGE P. HARLEY, of Allendale, in the county of Barnwell and State of South Carolina, have invented a new and Improved Awl, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view, and Fig. 2 a top view, of my improved awl.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved awl for harness-makers, shoemakers, farmers, and others, by which leather may be stitched together with rapidity and facility in all cases in which a sewing-machine is not desired to be used.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In the drawing, A represents an awl of the usual size and shape, which is provided at some distance from the head with a recess, *a*, that is cut at some inclination to the axis of the awl, in downward direction, so as to form a small hook, *b*. Both sides of the awl are arranged with channels or grooves *d* at the sides of the awl, running downward from the recess, and tapering toward the point, as shown in Fig. 1.

The awl is used, after the leather is stretched in the clamp, by being passed through the leather, looping then the thread over the

hook of the awl, and drawing both awl and loop back through the leather. A loop is thereby formed at the side of the leather where the awl is placed. The awl is kept in this loop, and passed again through the leather at a point adjoining the former hole, the loop being tightened and wrapped around the awl, on which the thread is again looped, and drawn back therewith, so as to form in this manner the stitch. The hook of the awl has to be kept toward the thread to be drawn through with the back toward the loop already formed, so as not to hook to and disturb the loop.

Thus the stitching of any leather article may be accomplished easier and quicker than with the common awl or needle, and may be used for repairing, and for all kinds of work in the different trades using leather and leather articles.

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

An awl having a recess and hook back of the point, and tapering side channels running from the recess to the point, substantially as shown and described, for the purpose set forth.

GEORGE P. HARLEY.

Witnesses:

G. C. WIMBERLY,
E. L. DUCOM.