D. H. Chamberlain,

Awl Handle,
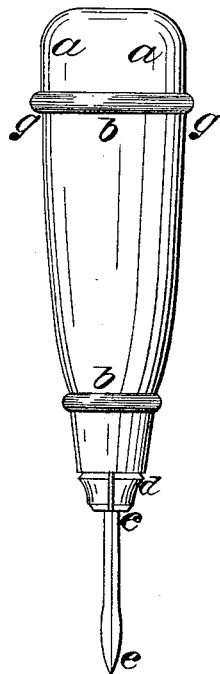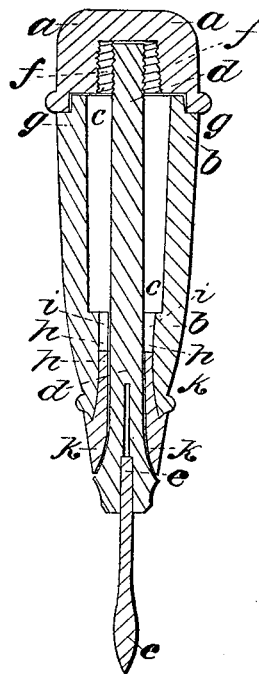
№ 5,609.   Patented May 30, 1848.

Fig.1.

Fig.2.

UNITED STATES PATENT OFFICE.

D. H. CHAMBERLAIN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO THOMAS J. WHITTEMORE.

HANDLE FOR AWLS AND OTHER SIMILAR TOOLS.

Specification of Letters Patent No. 5,609, dated May 30, 1848.

To all whom it may concern:

Be it known that I, DEXTER H. CHAMBERLAIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented
5 certain new and useful Improvements in Tool-Sockets or Awl-Hafts, and that the following description, taken in connection with the accompanying drawings hereinafter referred to, forms a full and exact
10 specification of the same, wherein I have set forth the nature and principles of my said improvements by which my invention may be distinguished from others of a similar class, together with such parts as I claim
15 and desire to have secured by Letters Patent.

The distinguishing features of my improvements are, that the split-shaft in the end of which the awl, or other tool is insert
20 ed and clamped does not turn, and the nut which causes the two parts of the said shaft to be pressed together is embedded in and forms a part of the cap *a a* of the tool receptacle *c c* in lieu of working on the end of
25 the ferrule, and by these improvements the article is simplified and made more substantial, superseding the use of a separate wrench, which is now commonly used for screwing and unscrewing the nut on the
30 end of the ferrule.

The figures of the accompanying plate of drawings represent my improvements.

Figure 1 is a plan of the same and Fig. 2 is a horizontal section through the center.
35 The wooden part of the handle or haft is made in two parts, *a a—b b*, the lower part *b b* being made hollow so as to form a tool-receptacle *c c*, and the upper part serving as a cap to the said receptacle.
40 *d d* is the shaft in the end of which the awl *e e* is inserted, said shaft being split as hereinbefore suggested—or having a spring-opening for this purpose. The butt of the awl being properly scored when this open
45 ing is sufficiently diminished the tool will be firmly held, the butt resting against a proper shoulder as shown in the drawings—Fig. 2.

This shaft *d d* is curved near its outer end as shown in Fig. 2, so that when it is drawn in against the convex curve of the interior 50 of the metallic ferrule *k k k k* the split in the said shaft may be diminished or vice versa, so as to hold or disengage the tool, said ferrule being secured to the lower part *b b* of the handle. Said shaft *d d* extends 55 through the tool receptacle as shown in Fig. 2, and has a proper screw cut on its upper end which engages with a female screw in the nut *f f*, which nut is properly screwed or otherwise fastened in the cap *a a* of the 60 handle. When said cap bears against the shoulder *g g* of the lower part *b b* of the haft any further turning of said cap will cause the shaft *d d* to be drawn inward, and inconsequence thereof the awl *e e* will be 65 clamped in the end of said shaft as hereinbefore suggested.

At *h h* on the shaft *d d* a cross pin is secured which engages with or fits into a proper slot *i i* formed at the inner end of 70 the ferrule *k k k k*, which arrangement prevents the turning of the shaft *d d* during the clamping or loosening of the tool or awl.

Having thus described my improvements, I shall state my claim as follows. 75

What I claim as my invention, and desire to have secured to me by Letters Patent, is—

A tool handle or awl-haft is working the split shaft *d d* by means of a nut fitted in the cap *a a*, or turning part of the haft or 80 handle, substantially as herein above set forth, and preventing said split shaft from turning around, by a pin on the same fitting into a slot in the ferrule or socket *k k k k* as herein before specified. 85

In testimony that the foregoing is a true description of my said invention and improvements, I have hereto set my signature this thirty first day of August, in the year 1847.

DEXTER H. CHAMBERLAIN.

Witnesses:

EZRA LINCOLN, Jr.,
JOHN R. FAIRFIELD.