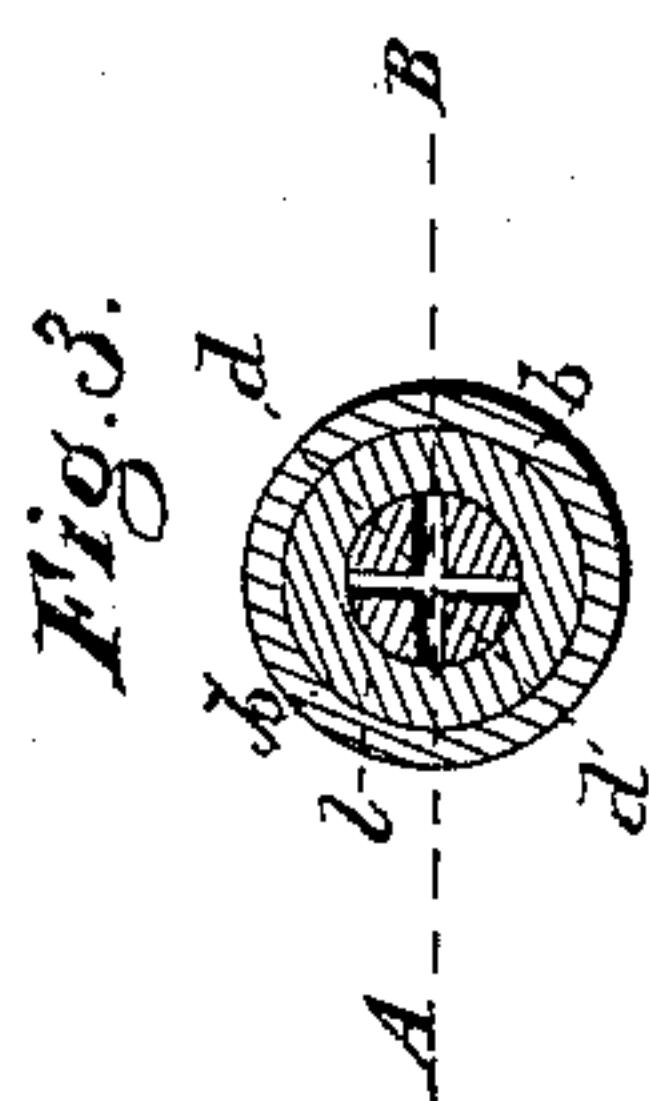
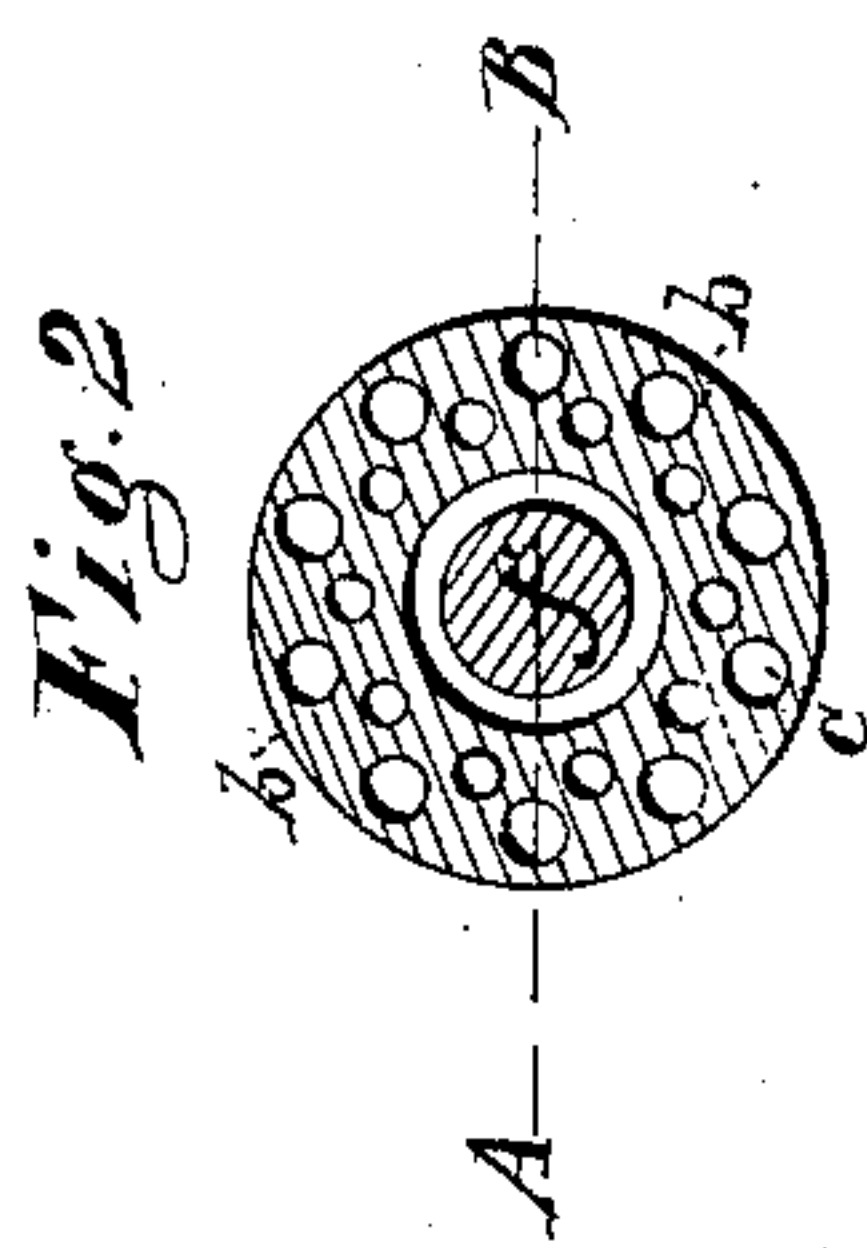
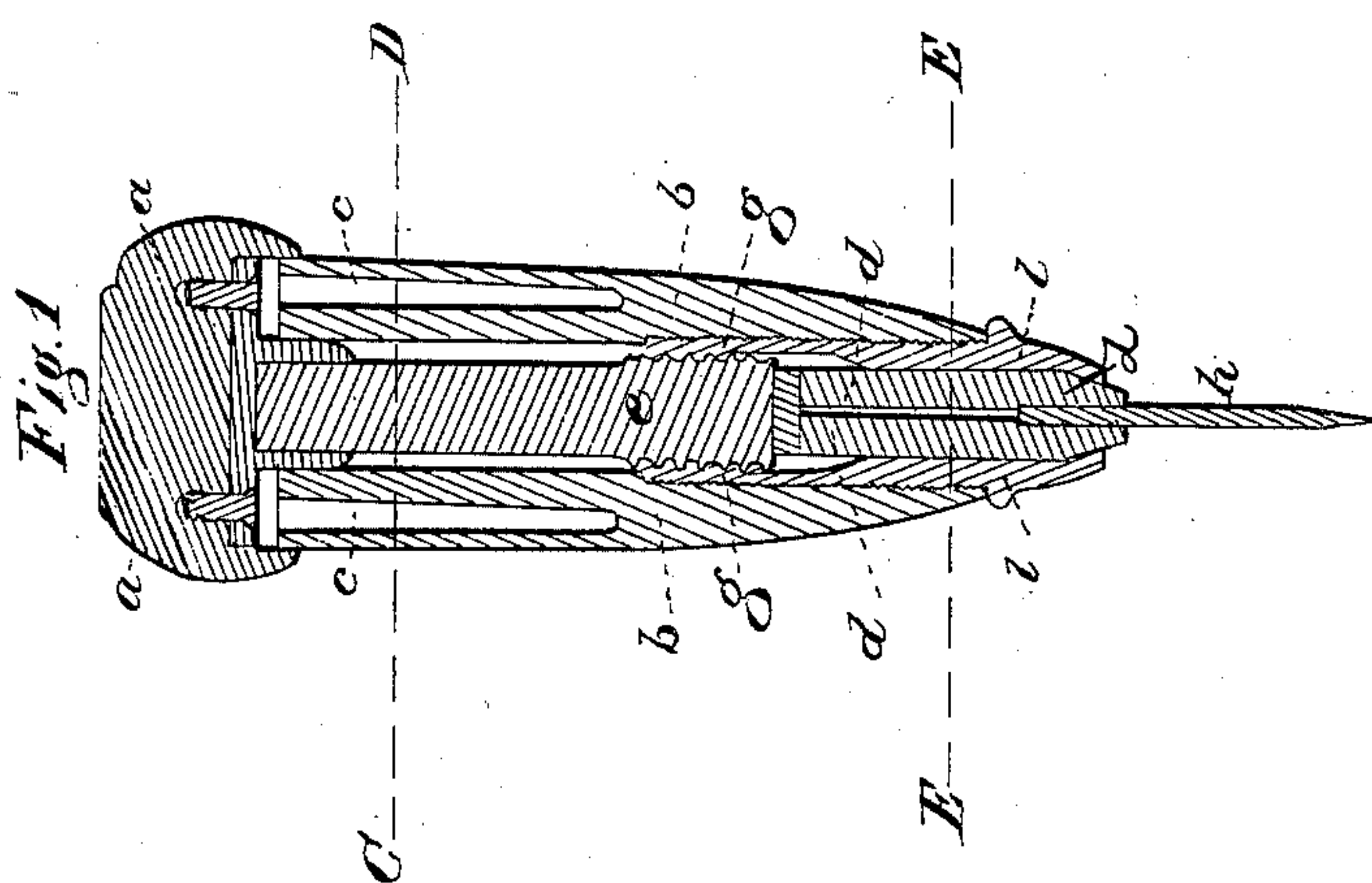


D. H. Chamberlain,

Airt Handle,

No 6,261,

Patented Apr 3, 1849.



UNITED STATES PATENT OFFICE.

DEXTER H. CHAMBERLAIN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO WILLIAM A. DODGE.

AWL-HAFT.

Specification of Letters Patent No. 6,261, dated April 3, 1849.

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 and 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
15 claim and desire to have secured to me by Letters Patent.

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

Figure 1 is a central longitudinal section
20 taken in the plane of the line, A B, Figs. 2, and 3. Fig. 2 is a horizontal section taken in the plane of the line, C D, Fig. 1, and Fig. 3 is a similar section taken in the plane of the line, E F, Fig. 1.

25 In some improvements in tool sockets or awl handles recently patented by me, I used a split shaft in which the tool was inserted, and clamped by being drawn inward, the drawing in, being effected by means of a
30 male screw on the upper end of said shaft, worked by a female screw fitted in the cap of the handle.

I have found in practice that this mode of construction is somewhat defective, inas-
35 much as, in using it, it does not permit a heavy blow to be struck with a hammer on the top of the handle, the effect being that the tool slips in the split shaft, in lieu of entering the leather or wood. By my present
40 improvements the guiding of the butt of the tool is effected by pressing the split shaft outward, in lieu of drawing it inward, and therefore every blow upon the top of the
45 tool only tends to make it grasp the tool more firmly, and thereby insures its effectual operation.

My improved mode of construction is represented in the figures above referred to.
50 *a a*, Fig. 1, is the cap of the handle, and *b b* I shall denominate the barrel of the handle,

which is made hollow as shown in the several drawings having suitable bores formed longitudinally to a proper depth in its perimeter for the insertion of the several tools, as shown at *c c c*, Figs. 1 and 2. At the bot- 55 tom of this barrel an elongated metallic socket *l l* is fitted firmly, its bore at the bottom being tapering, to fit the conical shape of the lower end of the split shaft, *d d*, which is dropped loosely into said socket. This 60 shaft is split into quadrants which spring together, when said shaft is pressed downward, and grip the tool, as in the position shown in Fig. 1, a proper shoulder being formed in the split shaft, as shown at *e*. 65 This split shaft is pressed downward as required by means of the screw shaft, *f f*, which is firmly secured at one end to the underside of the cap, *a a*, having at its other end a male screw which fits into a corre- 70 sponding female screw cut round the interior of the top of the socket, as shown at *g g*, Fig. 1. The bottom of the screw shaft, *f f*, abuts against the upper end of the split shaft *d d*, and by turning the former downward 75 the latter is made to grip the tool, *h h*, as hereinabove suggested; and this arrangement, as before stated, permits a heavy blow to be struck on the top of the haft, without any injury to the tool or its operation. 80

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

What I claim as my invention, and desire to have secured to me by Letters Patent is, 85

A tool handle or awl haft, having a split shaft for holding the tool, which is forced outward by a screw shaft, attached to the underside of the cap, and abutting against the top of said split shaft, as hereinabove set 90 forth, said screw shaft being worked, substantially as hereinabove specified.

In testimony that the foregoing is a true description of my said improvements I have hereto set my signature this 2d day of Janu- 95 ary, A. D. 1849.

D. H. CHAMBERLAIN.

Witnesses:

EZRA LINCOLN, Jr.,
JOSEPH GAVETT.