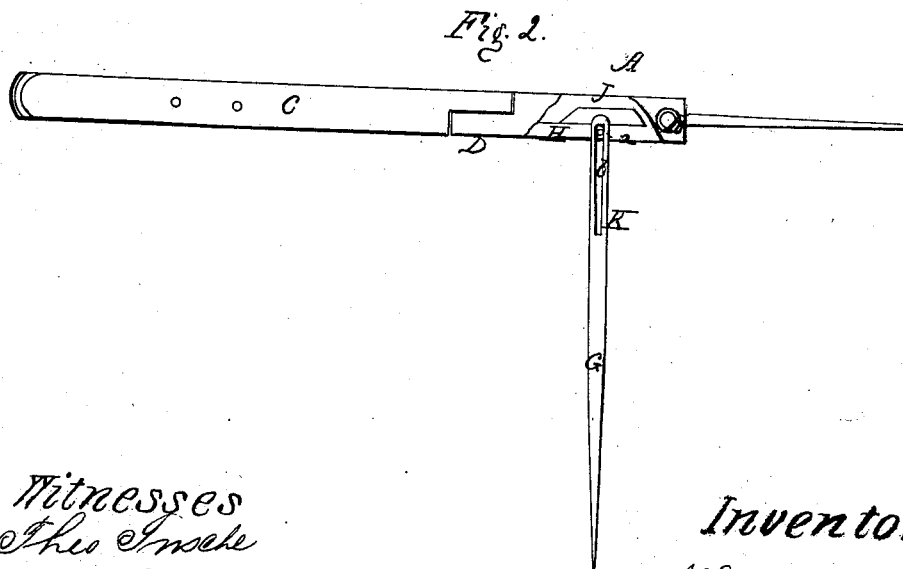
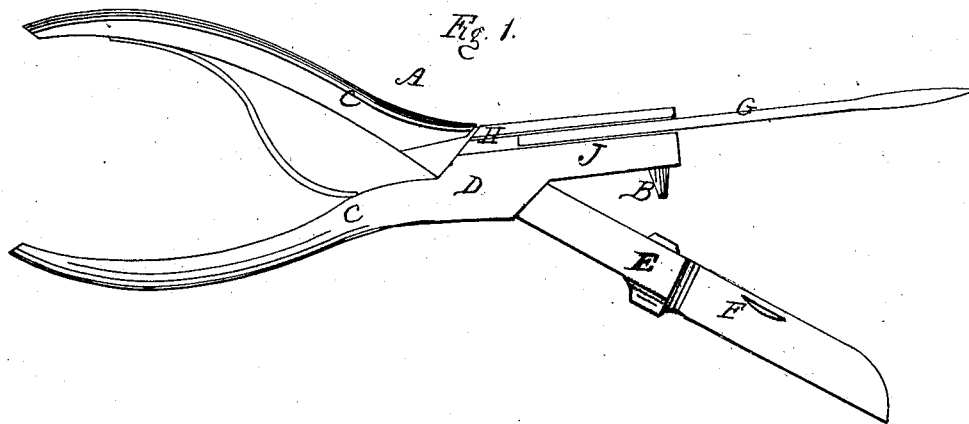


H. S. HOLMES & D. WILLIAMS.
COMBINED PUNCH, AWL, AND KNIFE.

No. 114,820.

Patented May 16, 1871.



Witnesses
Thos. Ingle
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Atty

United States Patent Office.

H. S. HOLMES AND D. WILLIAMS, OF SOUTH BOSTON, MASSACHUSETTS.
ASSIGNORS TO DAVID WILLIAMS.

Letters Patent No. 114,820, dated May 16, 1871; antedated May 10, 1871.

IMPROVEMENT IN COMBINED PUNCH, AWL, AND KNIFE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, H. S. HOLMES and D. WILLIAMS, of South Boston, in the county of Suffolk and State of Massachusetts, have invented a new and improved Combination Punch and Tool; and we 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 present invention relates to a tool in which are combined a punch, awl, and knife-blade, the awl being secured in a novel and peculiar manner, as will be hereinafter described.

In the accompanying drawing our improved combination punch and tool is illustrated.

Figure 1 is a side view of the combination tool.

Figure 2, a detail view, showing the manner of hanging the awl.

Similar letters of reference indicate corresponding parts.

A in the drawing represents our improved combination tool, of which B is the punch, similar to the ordinary hand-punch, and consisting of arms C pivoted together at D.

To one of these arms C, at the outer end of the jaw E, is hung a knife-blade, F, that when opened forms an extension thereof, but when closed sits or fits into a suitable groove made along the side of the jaw E to incase the cutting-edge to the blade.

G, the awl, hung by the slot *b* in its shank *k*, on a pivot, *a*, in the groove H of the jaw J, so that by the same it can be swung into position for use, as shown in fig. 1, or so as to lie along the groove with its point toward the handle end of the arms C, the awl being secured and held in either position.

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

In a combined knife and punch, an awl, arranged as described, and provided with a slot, and pivoted and sliding within a groove, H, in one of the jaws J, all arranged, constructed, and operated substantially as and for the purpose described.

H. S. HOLMES.
D. WILLIAMS.

Witnesses:

E. A. BROOKS,
D. J. CUMMINGS.