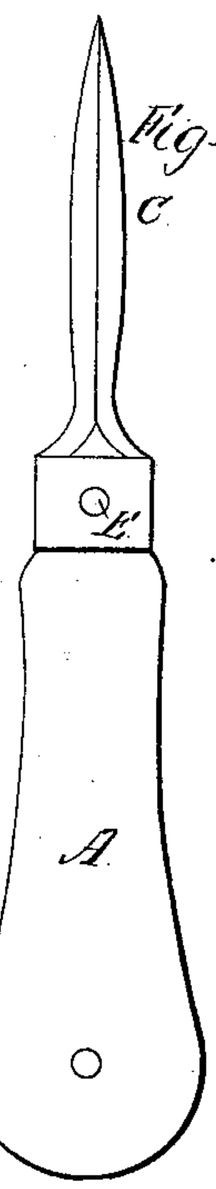
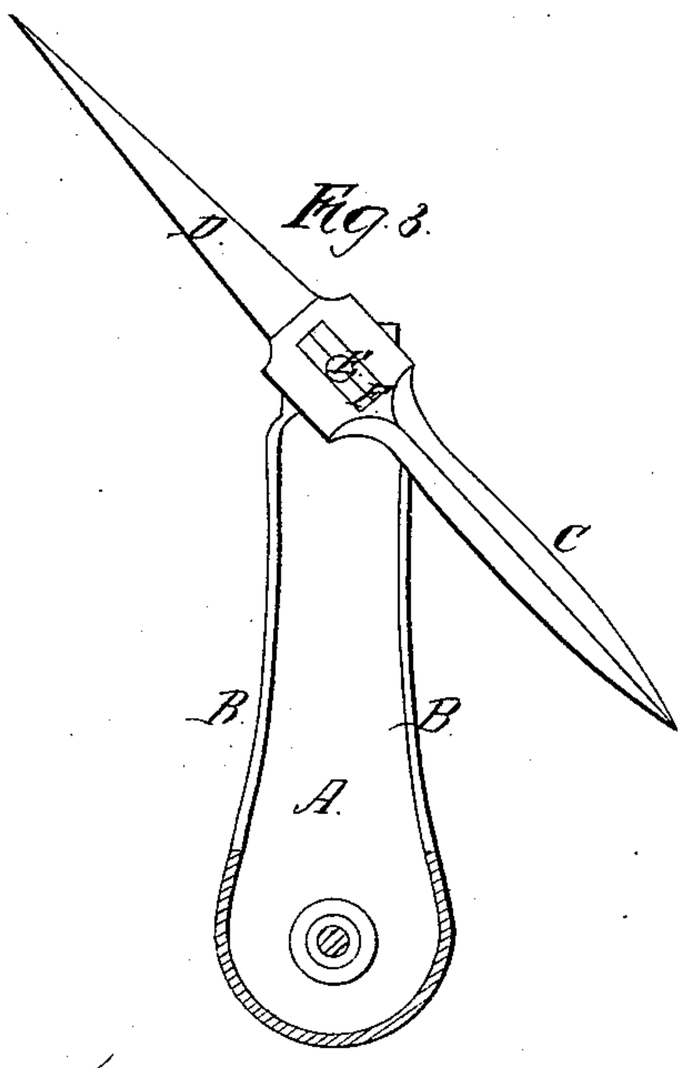
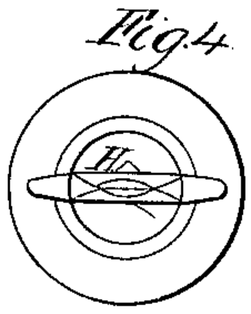
W. J. Innis,

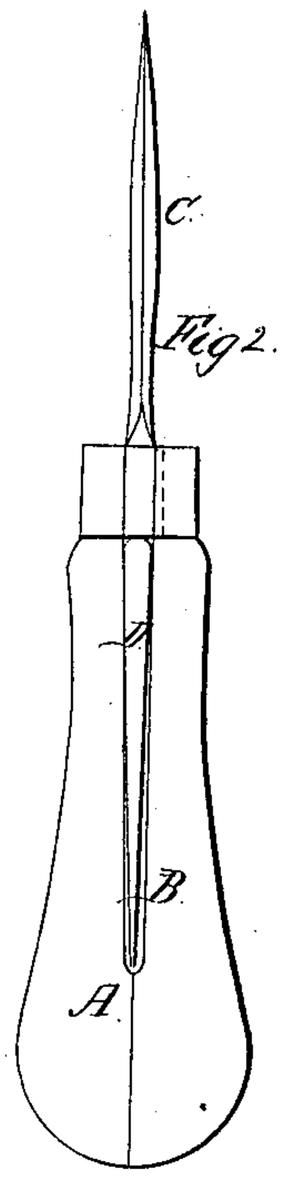
Belt Awl.

No. 26,107. Patented Nov. 15, 1859.









Witnesses
Geo. F. Jencke
& N. B. Hadley

Inventor
William J. Innis,

UNITED STATES PATENT OFFICE.

WILLIAM J. INNIS, OF PROVIDENCE, RHODE ISLAND.

BELT AWL AND PUNCH.

Specification of Letters Patent No. 26,107, dated November 15, 1859.

To all whom it may concern:

Be it known that I, WILLIAM J. INNIS, of the city of Providence and State of Rhode Island, have invented a new and useful Improvement in Belt Awls and Punches, and that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figures 1 and 2 are views showing the whole machine or tool. Fig. 3 is a sectional view showing the interior of the handle. Fig. 4 is a plan view showing the V shaped groove in the handle which retains the tool in its proper place when ready for use.

The same letters indicate like parts in all the figures.

The object of my invention is to overcome the difficulty of using two separate tools for the purpose of sewing belts, which is a source of great inconvenience in many cases. My object therefore is to overcome this difficulty by combining the awl and punch (made of one continuous piece of metal) with the spring handle, which is not only much more convenient, but materially lessens the cost of the tools.

My invention consists in making an awl and punch of one continuous piece or bar of metal, with the awl at one end and the punch at the opposite end of the bar, and placing the same within a spring handle (either metallic or wood) so that it may be rotated and the awl and punch be presented alternately to the belt as occasion requires.

In the accompanying drawings, A represents spring handle, which is made in halves and riveted together or whole and cored out. It has a slot B in two opposite sides, of sufficient dimensions to allow the tool to pass through when it is rotated. The awl C and punch D are made of one continuous bar of metal, having a rivet E through the center, which passes through the handle A near its end and forms the axis of rotation, and keeps the tools in their proper place when being rotated. The awl C is made in the usual form. The punch D is made half round and concaved, so that it may present a cutting edge to the belt. It also tapers to a point in order that it may enter the belt easily and ream the hole to the required size. The tool is retained in its proper place for use by means of a rib F, which fits into a corresponding V shaped groove H in the spring handle A.

I do not claim as my invention the belt awl half round punch or the spring handle separately; but

What I do claim, and desire to secure by Letters Patent, is—

The combination of the punch, awl and spring handle substantially as described.

WILLIAM J. INNIS.

Witnesses:
GEO. L. JENCKS,
N. B. HADLEY.