

F. C. LEYPOLDT.
BUTTONHOLE CUTTER.

No. 48,962.

Patented July 25, 1865.

Fig. 2.

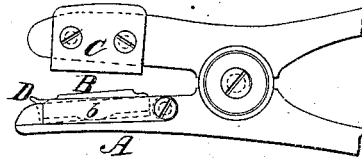


Fig. 1.

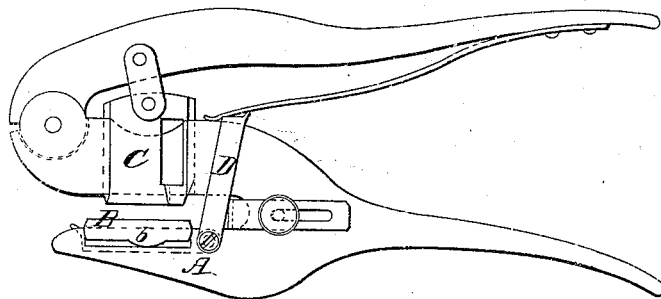


Fig. 3.

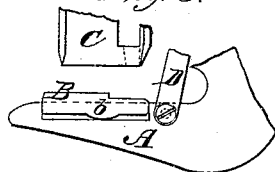
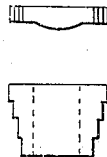


Fig. 4.



Attest:

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UNITED STATES PATENT OFFICE.

FREDERICK C. LEYPOLDT, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BUTTON-HOLE CUTTERS.

Specification forming part of Letters Patent No. 48,962, dated July 25, 1865.

To all whom it may concern:

Be it known that I, FREDERICK C. LEYPOLDT, of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Instruments for Cutting Button-Holes; and I do hereby declare the following to be a full and exact description thereof, reference being had to the accompanying drawings, and to the figures and letters of reference marked thereon.

My invention relates to that class of these instruments in which a single knife-edge produces the required cut in the cloth against a flat surface of softer metal; and its nature consists in a simple and efficient means of making this flat surface self-adjusting to the cutting-edge of the knife, so as to equalize the pressure of the cutting action over the whole cutting-surface. All instruments having a rigid block or cutting-surface require great accuracy in the relative fitting of the knife-edge and cutting-surface. They are very liable to get out of working order, and then are not easily repaired.

The herein-described improvement overcomes these objections entirely, and also permits easy and accurate adjustment of the length of the cut for various sizes of button-holes.

In order that my said invention may be fully understood, I will now proceed more particularly to describe the same.

On reference to the drawings making part of this specification, and in which similar letters of reference allude to like parts throughout the several views—

Figure 1, represents a button-hole cutter of the construction patented by myself December 18, 1860, with the new improvement attached. Fig. 2 shows the improvement as applied to another form of instrument, in which two levers are jointed, like ordinary scissors. Fig. 3 is a detached view, representing the manner of changing the loose blocks for different sizes of button-holes; and Fig. 4 is a modified form of self-adjusting block, with which, by means of

a lateral change of position, the length of the button-hole can be varied.

The lower jaw, A, of the instruments represented in Figs. 1, 2, and 3, is provided with a loose block, B, of a peculiar form, which block receives the pressure of the knife C in its cutting-action. This block is confined in an appropriately-shaped recess or pocket in the jaw A, one side of which is closed by the swinging latch D, the latter serving, when closed, to confine the block B laterally in its proper place, while when opened, as in Figs. 1 and 3, it readily permits the insertion of various forms of blocks for different sizes of button holes.

The block B is on its bottom provided with a rounded projection or bearing-point, *b*, on which it can rock for the purpose of adjusting itself to the knife-edge in cutting, the point *b* being in all cases placed central in relation to the position and length of the top surface. (Compare Figs. 1 and 3.) The ends of the block are slightly rounded to accommodate its rocking movement.

Having thus explained the nature and object of my invention, I wish to be understood as not desiring to confine myself in the use of the improved self-adjusting block to any one particular construction of instrument, since it is equally adapted to all forms of instruments having a single cutting-edge. Neither do I wish to limit myself to any particular method of confining the block in the instrument or removing the same; but

What I claim as my invention, and desire to secure by Letters Patent, is—

The described improvement in instruments for cutting button-holes, consisting in the use of the self-adjusting block B, when the same is constructed in relation to the knife C, substantially as and for the purpose herein set forth.

FREDERICK C. LEYPOLDT.

Witnesses:

THEODORE BERGNER,
CHAS. E. PANCOAST.