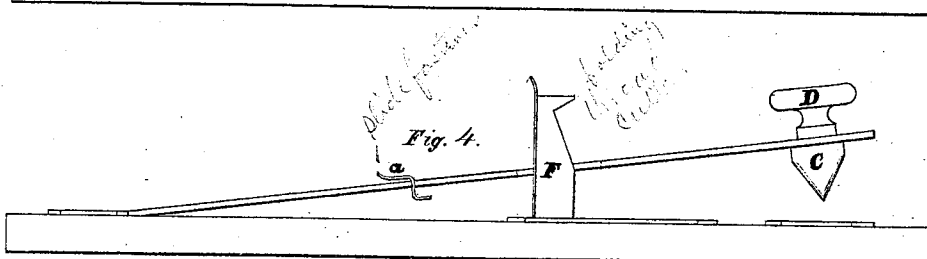
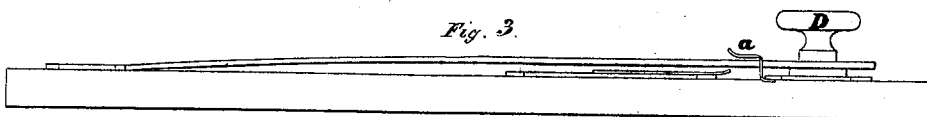
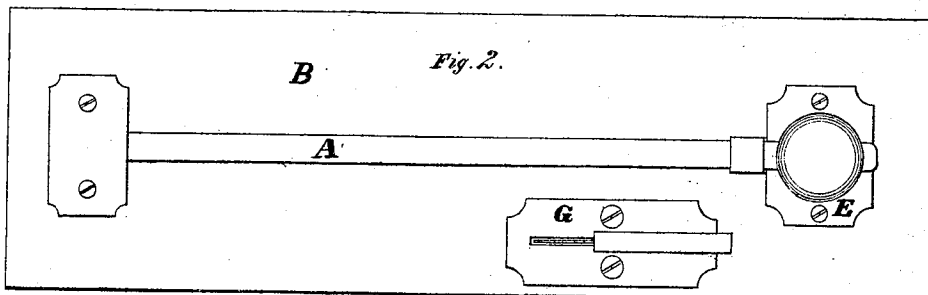
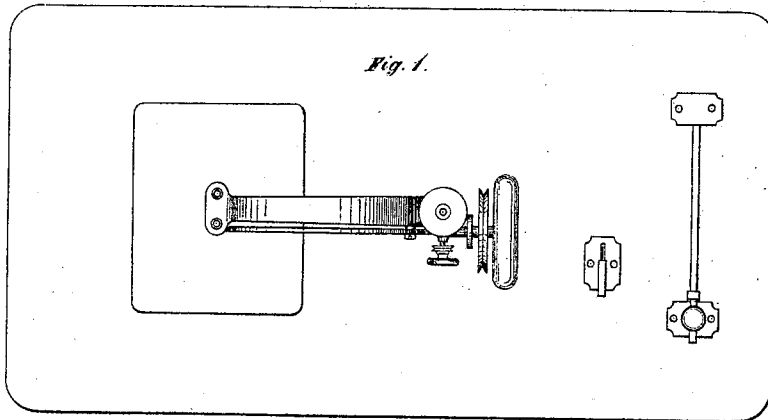


CHARLES E. BEAN.

Button-Hole Cutter.

No. 127,835.

Patented June 11, 1872.



Witnesses:

Andrew S. Fitch.
Admiralston Mills

Inventor.

Charles E. Bean
By J. P. Fitch
his atty.

UNITED STATES PATENT OFFICE.

CHARLES E. BEAN, OF OSWEGO, NEW YORK, ASSIGNOR TO JEROME L. MUDGE, OF SAME PLACE.

IMPROVEMENT IN BUTTON-HOLE CUTTERS.

Specification forming part of Letters Patent No. 127,835, dated June 11, 1872.

To all whom it may concern:

Be it known that I, CHARLES E. BEAN, of Oswego, county of Oswego, State of New York, have invented a new and useful Improvement in Button-Hole Cutters, designed as an attachment to sewing-machines, of which the following is a specification, reference being had to the accompanying drawing forming part thereof.

Figure 1 is a face view of a sewing-machine, upon the table of which is attached my button-hole cutter, and also a thread-cutter. Fig. 2 is a face view of my button-hole and thread cutter. Fig. 3 is a side view of the same with the spring holding the button-hole cutter depressed and fastened down, the thread-cutter being also folded down within its recess—the positions they are designed to occupy when not in use. Fig. 4 is a similar view of the same, the cutter being liberated and raised up with its spring, the thread-cutter being also erected, both being in position designed when ready for use.

A is a spring, made of steel or some other suitable metal, secured at one end to the table B, turned up from the fastened end, so that when at rest it will be in the position seen at Fig. 4. To the opposite end is secured a lance-like cutting instrument, C, by passing the shank of the instrument through a hole in the spring, and screwing upon it a knob or thumb-piece, D. Immediately underneath this cutting instrument is secured a metal plate, E, through which is made a slot or opening, into which the cutter may pass when depressed. *a* is a slide-fastener, formed of a piece of plate metal in the form represented in the drawing, with a hole through it, through which the spring may pass. The lower end of this slide is made to pass underneath the edge of the plate E, as seen in Fig. 3, whereby the spring may be held down when depressed, as seen in the last-named figure.

When it is desired to use this instrument, the slide *a* is slipped back upon the spring, when the spring will rise, elevating the cutter above the plate E, as seen in Fig. 4. The cloth in which it is desired to cut the button-hole is placed upon the plate E, and the cutter is depressed by placing the thumb upon the knob D, causing the cutter to pass through the cloth.

The thread-cutter F, formed of a piece of plate-steel, having a cutting-edge upon one side, fastened with a hook at the top, as shown in the drawing, and pivoted in the plate G at the bottom end, is a convenient instrument for cutting the thread used in sewing. A slot is cut through this plate, and a recess made into the face of the table, into which the thread-cutter may be folded down out of the way when not in use. When erected, as seen in Fig. 4, it forms a very convenient means of cutting the thread by merely pressing the thread against its cutting-edge.

This instrument may be constructed and used as shown, if desired; but I make no claim upon it.

These instruments may be secured upon the face of a separate board or small table, and that fastened upon the surface of a sewing-machine table, or they may be secured immediately upon the face of the sewing-machine table itself in such position as will be most convenient for the operator of the sewing-machine.

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

The spring A, the cutting instrument C, the plate E, and the slide *a*, combined and operating as and for the purposes specified.

CHAS. E. BEAN.

Witnesses:

JOSEPH OWEN,
THOMAS O'BRIEN.