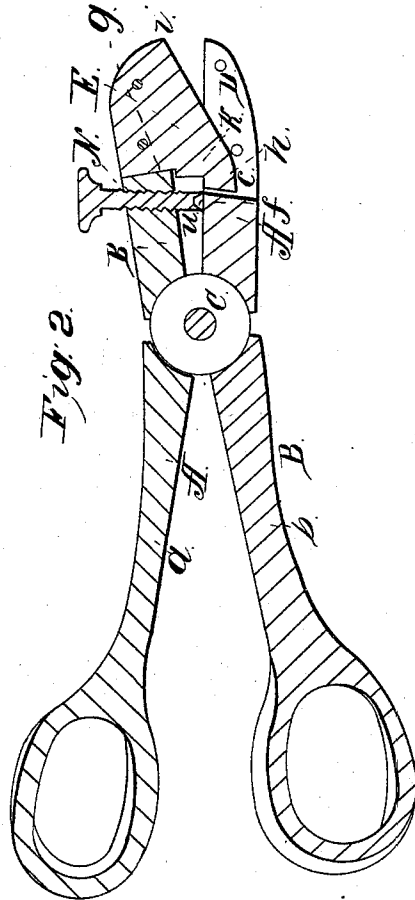
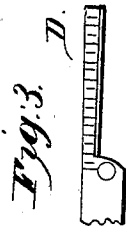
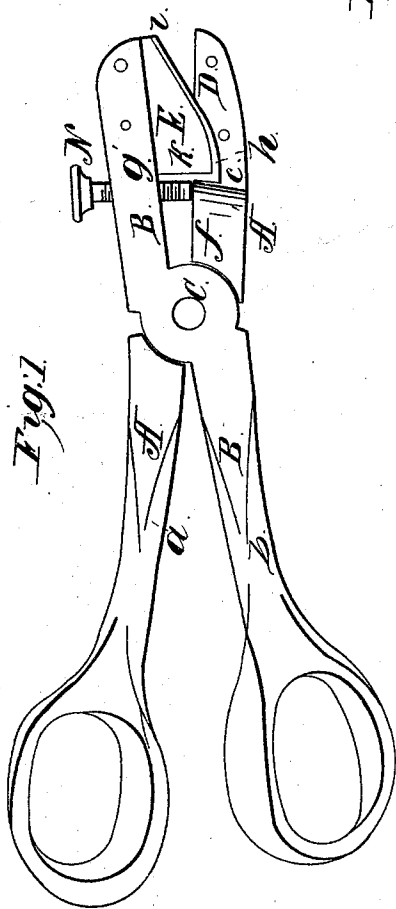


T. W. Brown,

Button-Hole Cutter.

N^o 10,972.

Patented May 23, 1854.



UNITED STATES PATENT OFFICE.

THOMAS W. BROWN, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO WM. W. MEAD.

BUTTONHOLE-CUTTER.

Specification of Letters Patent No. 10,972, dated May 23, 1854.

To all whom it may concern:

Be it known that I, THOMAS W. BROWN, of Boston, in the county of Suffolk and State of Massachusetts, have invented a
5 new and Improved Buttonhole-Cutter or Instrument for Making Buttonholes or Slits in Cloth or other Material; and I do hereby declare that the same is fully described and represented in the following specification
10 and the accompanying drawings, letters, figures, and references thereof.

Of the said drawings, Figure 1, denotes a side view of my improved button hole cutter. Fig. 2, is a vertical and longitudinal
15 section of the same. Fig. 3, is a top view of the cloth rest.

In the said instrument A, and B, denote two levers, which are hinged together at C, and have their arms *a*, *b*, made like those of
20 a common pair of scissors. The front arm *c*, of the lever A, is provided with a cloth rest D, which may be graduated or have divisions formed on its top surface by which the edge of the cutting knife may be adjusted
25 to its so as to enable it to cut a button hole of any desirable length when the lower end of the stop screw is brought down upon its bed *f*. To the adjoining arm *g*, of the other lever I fasten a thin blade or knife E,
30 whose cutting edge *h*, *i*, is made to stand at an acute angle with the top surface of the cloth rest, while the side of the knife plays in contact with the inner side of the cloth rest, as does one blade of a pair of shears
35 play in contact with the other blade. The inner edge *h*, *k*, of the knife may be curved from *h*, to *k*, to the arc of a circle, whose center is that of the joint pin of the two levers, and this in order that when the cutting
40 knife is passing down through the cloth the back edge *h*, *k*, of it may perform no injurious or tearing operation upon the cloth. In rear of the knife I place a thumb screw N, which is screwed down through
45 that arm of the lever B, to which the knife is attached and when screwed down abuts at its lower end against the bed *f*. The lower

part of the screw may be made as a tubular cutter, as seen at *z*, in Fig. 2, which when brought down upon a piece of cloth resting
50 on the bed *f*, may be made to cut a hole through it, such tubular cutter in conjunction with the cutting knife forming a cut through the cloth composed of a slit and a hole at or near one end of it. Thus the
55 screw is not only made to regulate the length of the cut made by the knife but its lower end may be made to perform the function of producing a hole at one end of such cut. When the bottom of the screw rests
60 on the bed *f*, if we press the longer legs of the lever together and turn the screw either in one direction or the other the manner in which the length of cut is regulated by the screw will at once be apparent. 65

I am aware that a button hole cutter has been made with a sliding and adjustable cloth rest and a knife with a straight edge, which when the knife was closed was brought down upon so as to rest through-
70 out its length on the top surface of the cloth rest. Now I do not claim such a contrivance, as my button hole cutter is constructed and operates entirely different therefrom, but 75

What I do claim is—

1. The combination and arrangement of the angular knife or knife edge, the cloth rest and adjusting screw substantially as hereinbefore described and so as to operate
80 together as specified.

2. And I also claim the combining a tubular cutter directly with the adjusting screw and so that it may perform the functions of a cutter and stop essentially as hereinbefore
85 specified.

In testimony whereof I have hereunto set my signature this fifth day of December, A. D. 1853.

THOMAS W. BROWN.

Witnesses:

R. H. EDDY,
F. P. HALE, JR.