

H. D. Walcott,
Button-Hole Cutter.

N^o 9,734.

Patented May 17, 1853.

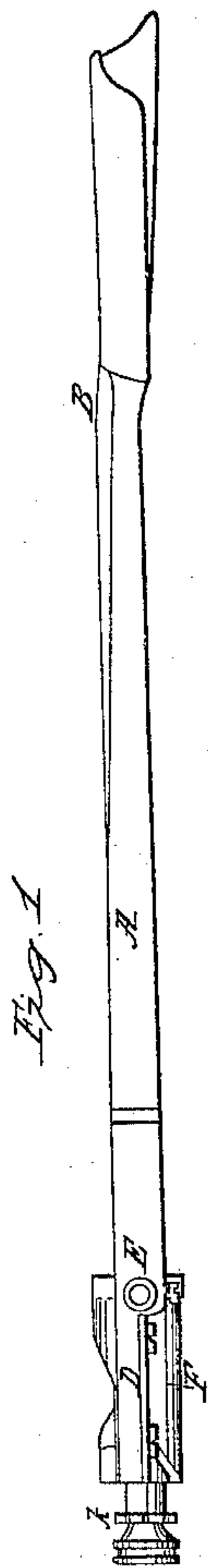


Fig. 1

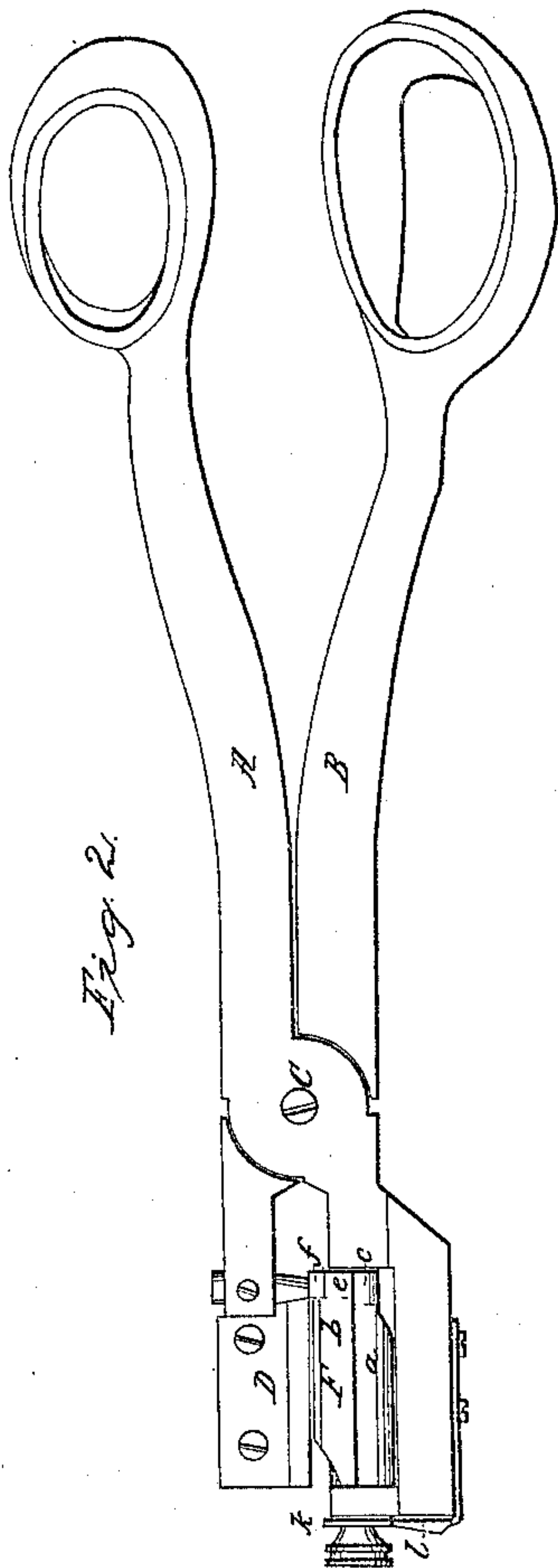


Fig. 2.

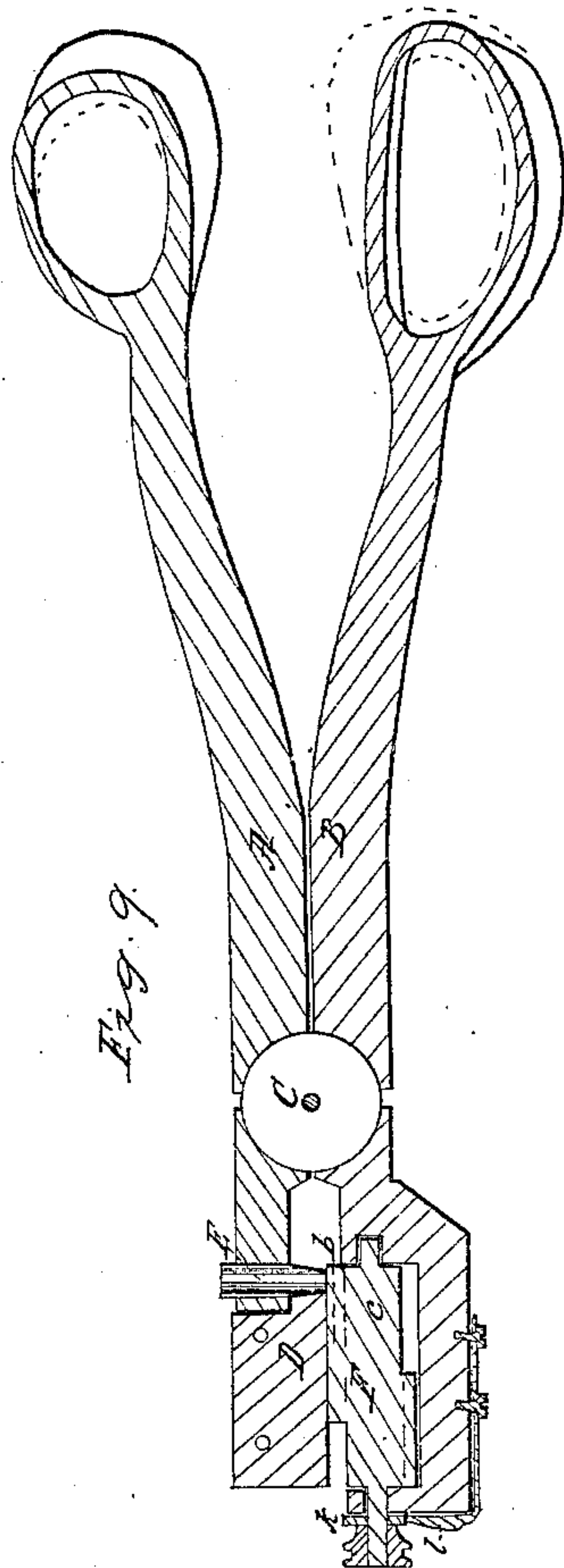


Fig. 9.

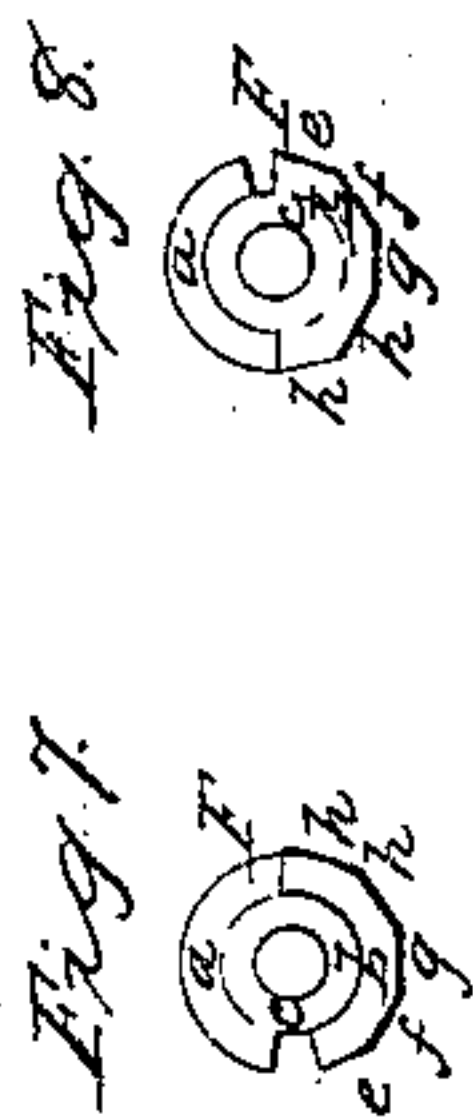


Fig. 7

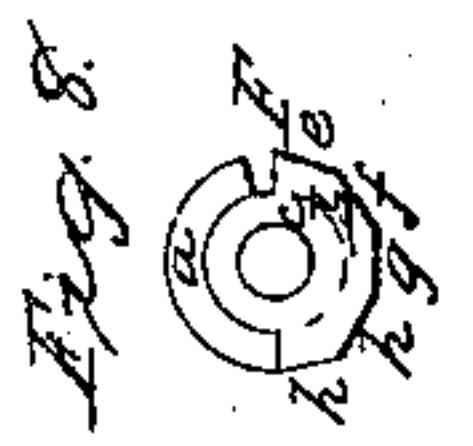


Fig. 8.

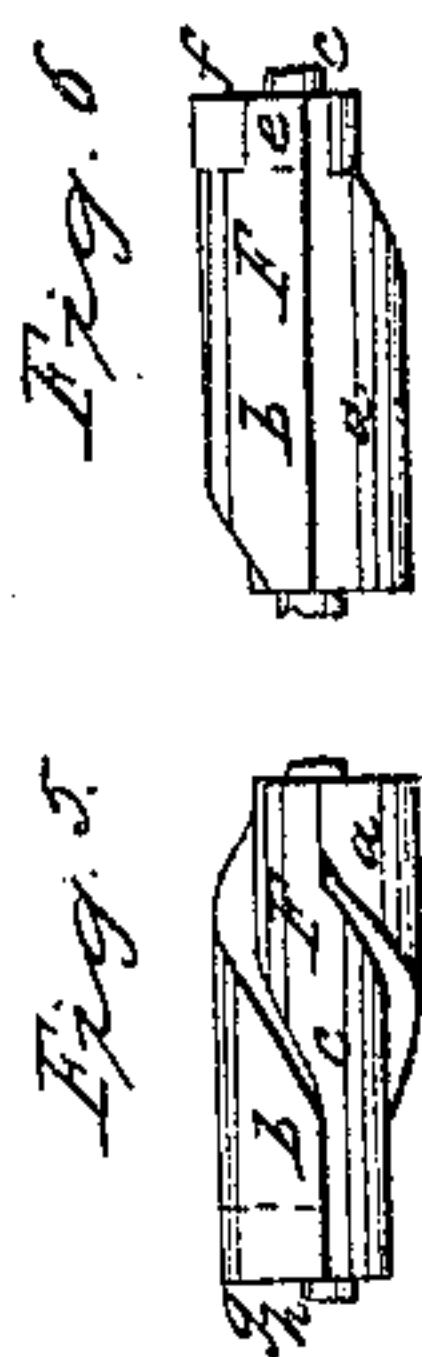


Fig. 5.

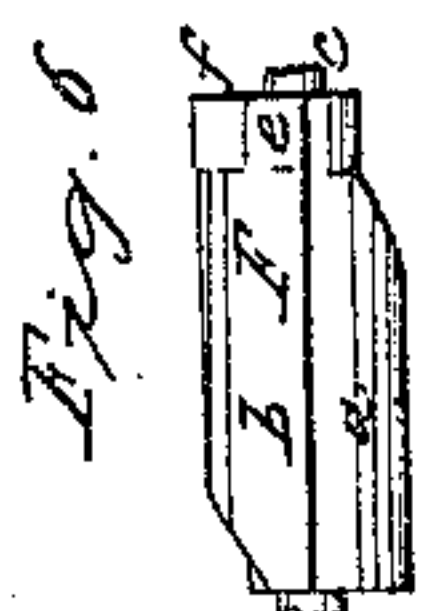


Fig. 6.

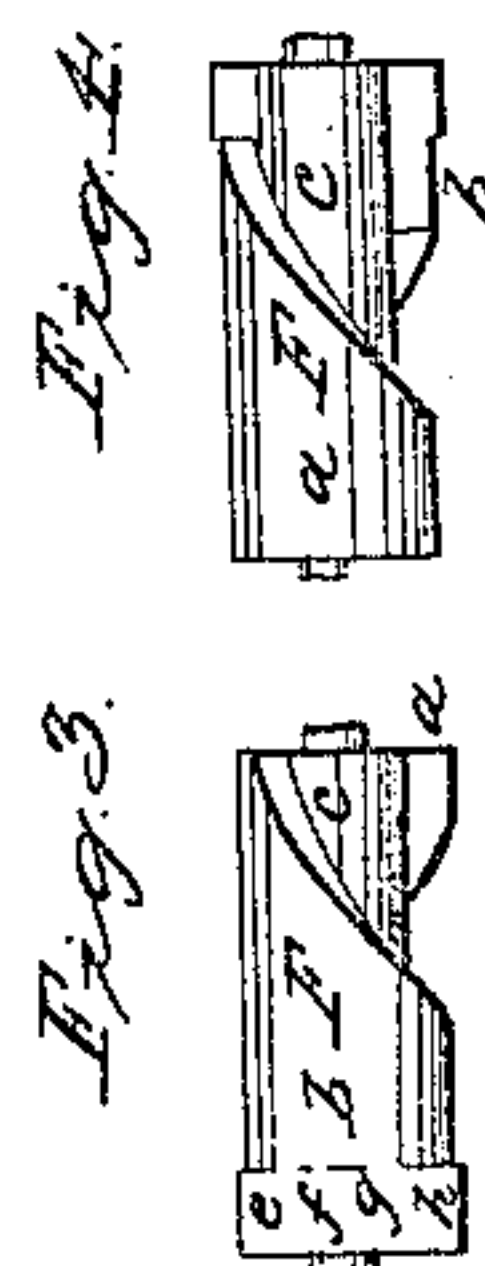


Fig. 3.

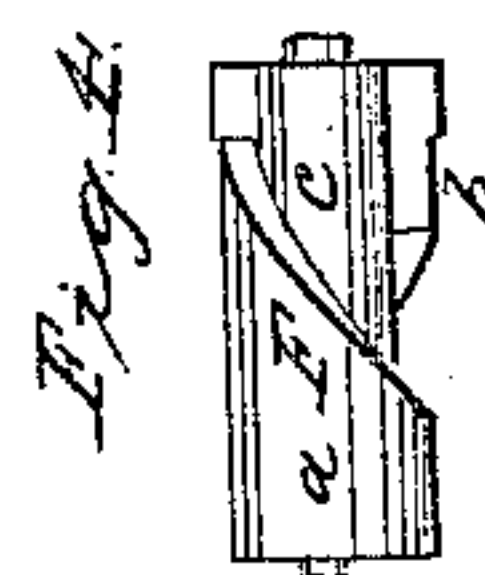


Fig. 4.

UNITED STATES PATENT OFFICE.

HALSEY D. WALCOTT, OF BOSTON, MASSACHUSETTS.

GRADUATED CUTTER FOR CLOTH AND OTHER SUBSTANCES.

Specification of Letters Patent No. 9,734, dated May 17, 1853.

To all whom it may concern:

Be it known that I, HALSEY DRAPER WALCOTT, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Buttonhole-Cutters; and I do hereby declare that the same are fully described and represented in the following specification and the accompanying drawings, letters, figures, and references thereof.

Of the said drawings Figure 1 denotes a top view and Fig. 2 a side elevation of my improved button hole cutter. Figs. 3, 4, 5, 6, 7, 8, are top, bottom, side and end views of the rotary bed. Fig. 9 is a vertical, central, and longitudinal, section of the instrument.

On the twenty-seventh day of July A. D. eighteen hundred and fifty-two, Letters Patent of the United States of America were granted to me for an "improvement in cutters for cloth and other substances." My present invention or that hereinafter described is very like or contains the principle of operation of the former. It however differs from it in sundry particulars which are hereinafter specified.

In the said drawings A and B denote the two levers to which my invention is applied and by which it may be used like a common pair of cutting shears. These levers are jointed together or move on a common fulcrum or pin C. To one of them the stationary straight cutting knife D is connected as seen in the drawings. A small tubular punch or cutter E is fixed to the lever and against the rear end of the cutting knife, and in conjunction with the knife cuts a button hole formed of a straight slit and a circular hole at one end of it.

F represents the movable or adjustable bed against which the knife acts and on which the cloth rests while in the act of being cut. This bed is so applied to the other lever as to be capable of being rotated transversely on pivots or journals or suitable supports. It is represented as formed of two triangular or trapezoidal pieces of

metal *a*, *b*, wrapped around a cylinder *c*. One of them at one end has a series of plane beds or surfaces *e*, *f*, *g*, *h*, applied to it as seen in the figures, the series of them being arranged so as to rotate directly underneath the tubular punch, each being made to act successively in conjunction with it. A small notched set wheel *k*, and set spring or click *l* are applied to the rotary bed and lever that supports it as seen in the drawings, they being for the purpose of enabling a person to retain the bed in any position in which it may be set.

By rotating the bed on its axis I can change the length of cut or the button hole made in cloth, and I can form the said button hole with or without the circular hole made by the tubular cutter. The external surface of the rotary bed may be made polygonal instead of circular.

I claim—

1. In its connection with the cutting knife the improvement of making the bed to move or rotate transversely in combination with making the surface of it which acts in conjunction with the knife of variable length or lengths, in order by moving or turning the bed around under the knife different lengths of cut may be produced substantially as set forth.

2. And I also claim the improvement of combining with the knife and tubular cutter and a rotary shaft or cylinder placed under them the two triangular or trapezoidal beds or surfaces *a*, *b*, arranged on the shaft or cylinder as described, whereby a cut or button hole may be made of any desirable length either with or without a hole at one end as stated.

In testimony whereof I have hereto set my signature this second day of November A. D. 1852.

HALSEY DRAPER WALCOTT.

Witnesses:

R. H. EDDY,
FRANCIS GOULD.