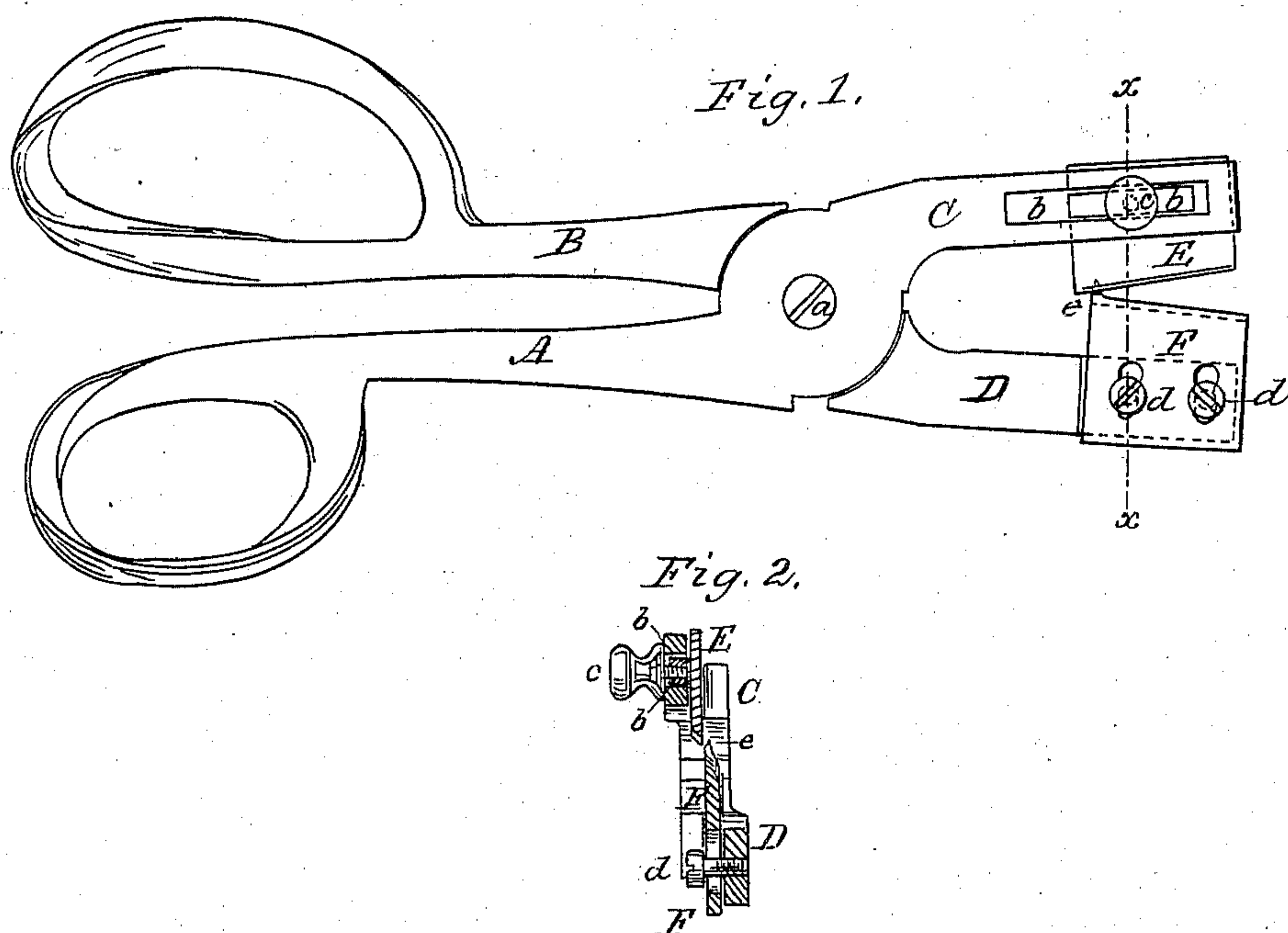


A. HUMANN.
BUTTON HOLE CUTTER.

No. 74,827.

Patented Feb. 25, 1868.



Witnesses
Theo Lusche
Wm Dean Overell

Inventor
A. Humann
Per Humann & Co
Attorneys

United States Patent Office.

AUGUST HUMANN, OF NEW YORK, N. Y.

Letters Patent No. 74,827, dated February 25, 1868.

IMPROVEMENT IN BUTTON-HOLE CUTTERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, AUGUST HUMANN, of New York, in the county and State of New York, have invented a new and improved Button-Hole Shears; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

Figure 1 represents a face view of my invention.

Figure 2 is a transverse sectional view of the same, the plane of section being indicated by the line *xx*, fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a new device for cutting button-holes, and consists in the use of shears having adjustable sliding cutters, the said cutters being so arranged that their edges cannot strike against each other.

Button-hole cutters have been heretofore generally made with one cutter, working upon a brass or other bed. Such machines could not be used for all purposes, as they would not cut very sharply through very thin fabric. The cutters were also quickly used up on the metallic bed. My invention is designed to overcome these difficulties, as the cutters will have to go through even the very finest fabric, and as their edges will never be forced against a metal or other bed, but only through the fabric.

A and B are the handles of ordinary shears, connected by a pivot-pin, *a*, as shown. C and D are the shanks, operated by and connected with the handles A and B, respectively, as is clearly shown in fig. 1. The shank C is slotted, as shown; and into the oblong slot is fitted a stud or projection, *b*, of a plate, E, a thumb-screw, *c*, securing the said plate to the shank C in any desired position. The inner edge of the plate E, that is, that edge which is nearest the arm D, is bevelled and sharpened, as shown. The arm or shank D is made so thin that a plate, F, secured to its upper surface, will fit just under the cutter E, as is clearly shown in fig. 2. This plate F is also provided with a cutting-edge, as shown. It is slotted, and secured to the arm D by means of screws, *d d*, so as to be laterally adjustable on the shank D.

When these shears are used, and when made so that the cutters will work close, their edges might easily come against each other, whereby they would be injured and made dull. This would occur especially when the pin *a* should have become a little loose by wear. To avoid the inconvenience of bringing the cutting-edges against each other, the cutter F is provided with a small tooth, *e*, projecting from its cutting-edge, and bevelled in such a manner that its end will be considerably distant from the opposite cutter, E, its face gradually reaching to the face of the cutter F, to which it is attached. It will be easily understood that, by means of this tooth, the edges of the cutters will be guided so as not to strike each other.

The cutter E is longitudinally adjustable, to vary the length of the button-hole. The cutter F is laterally adjustable, to allow its being moved towards the other cutter when the edges should have been ground off.

The tooth *e* is pointed, so that it will easily fit through the cloth. It can also be conveniently used to indicate the beginning of the hole, as it can be set with accuracy upon any one desired point.

I claim as new, and desire to secure by Letters Patent—

The blade F, having a tooth, *e*, formed at the rear end of its cutting-edge, when said plate is laterally adjustable, in combination with the blade E, provided with a stud, *b*, working in a slot in the shank C, and secured in position by the thumb-screw *c*, all constructed, arranged, and operating as and for the purpose herein specified.

Witnesses:

A. V. BRIESEN,

CHS. LAUTERJUNG.

AUGUST HUMANN.