

(No Model.)

W. E. LANT.
SHEARS.

No. 356,253.

Patented Jan. 18, 1887.

Fig. 1.

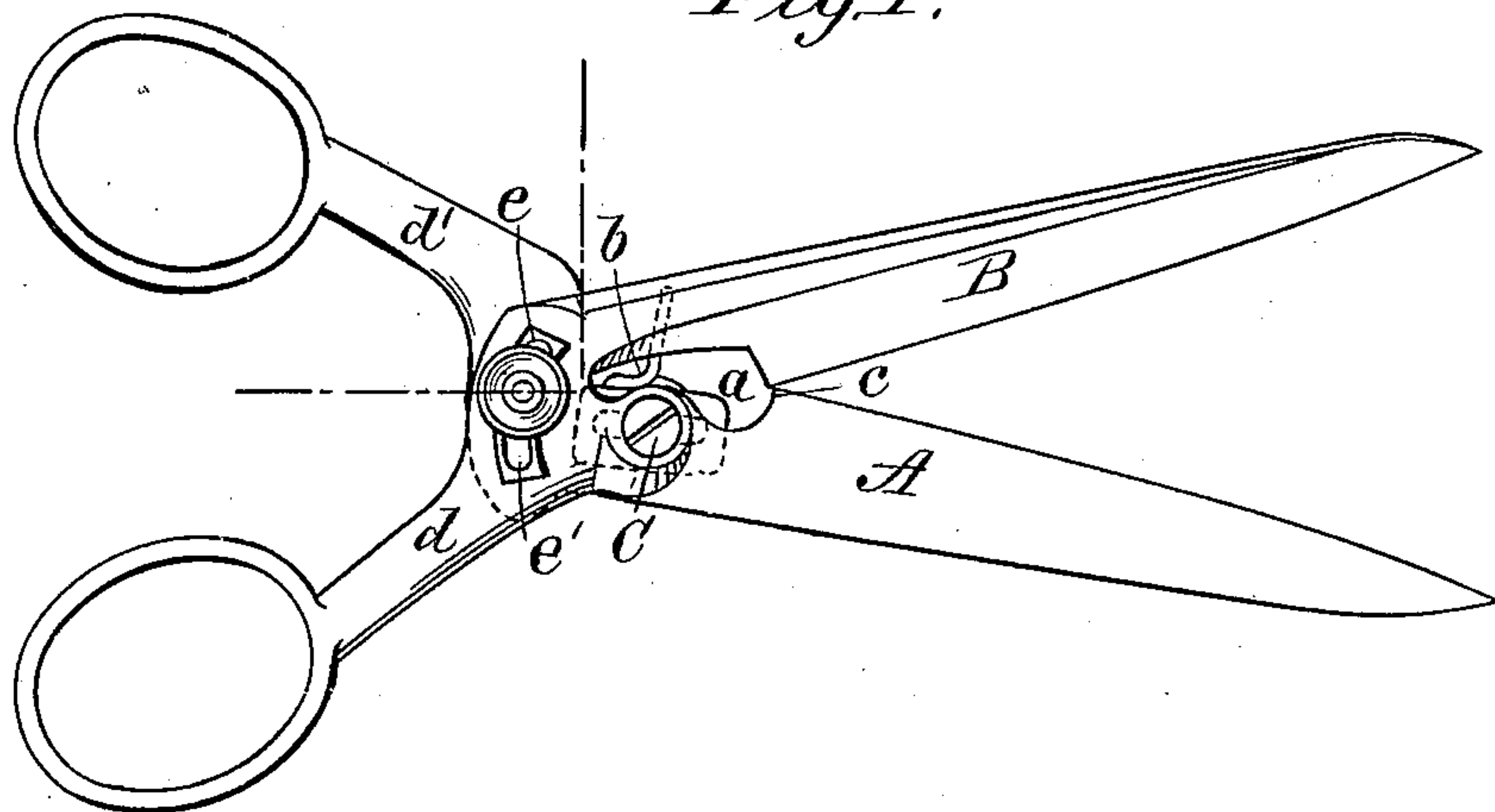


Fig. 2.

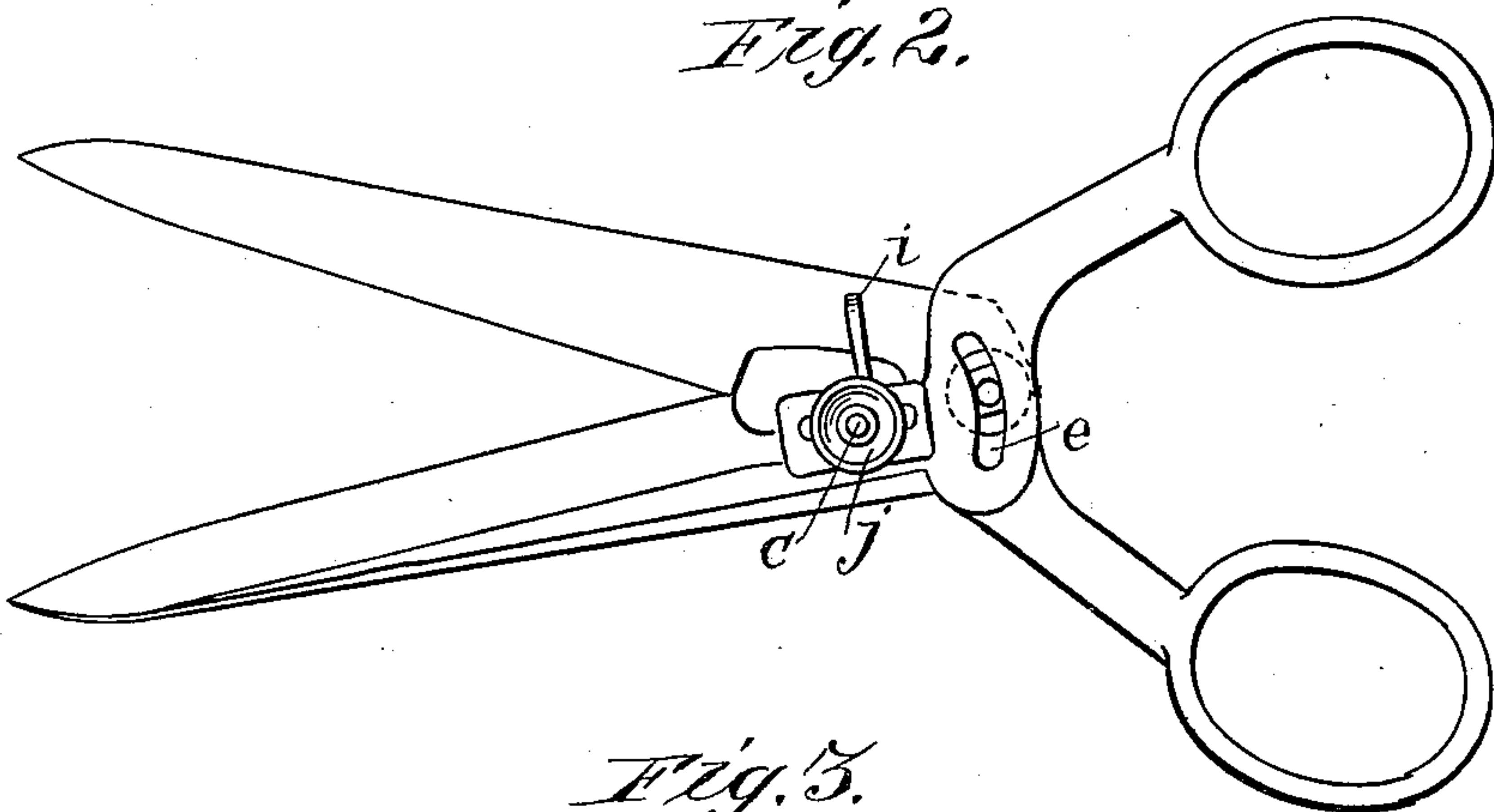


Fig. 3.

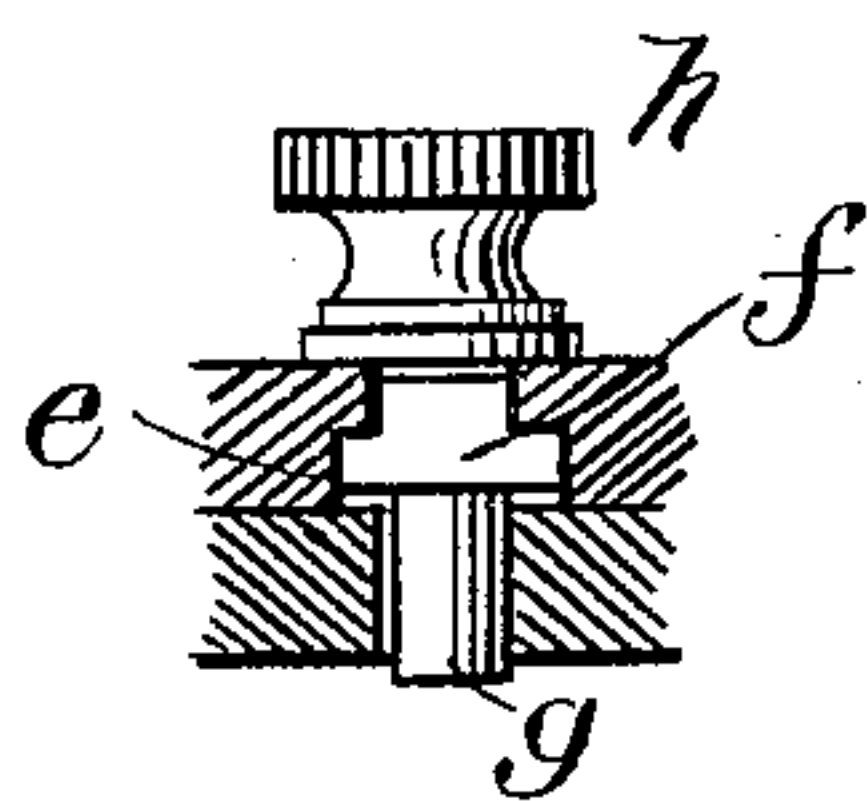
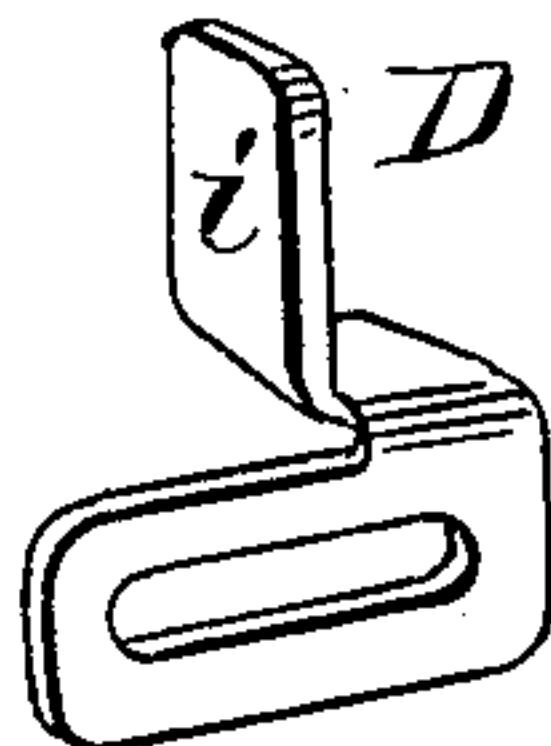


Fig. 4.



WITNESSES:

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WILLIAM E. LANT, OF LANCASTER, PENNSYLVANIA.

SHEARS.

SPECIFICATION forming part of Letters Patent No. 356,253, dated January 18, 1887.

Application filed March 4, 1886. Serial No. 193,990. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM EDWARD LANT, of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented a new and useful Improvement in Shears, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my improved shears. Fig. 2 is a side elevation showing the reverse side of the shears. Fig. 3 is a detail view of the stop-pin for limiting the motion of the shear-blades. Fig. 4 is a detail perspective view of the gage for regulating the distance of the button-hole from the edge of the garment.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

One of the objects of my invention is to provide a simple and efficient means for regulating the length of the button-hole by limiting the motion of the shear-blades.

The invention consists of the combinations of parts, including their construction, substantially as hereinafter described, and pointed out in the claims.

The shear-blades A B are connected with each other by the pivotal screw C, set to one side of the center of the blade B, and extending through the blade B and through a threaded hole in the blade A. A portion of the cutting-edges of the blades A and B over the pivotal screw C is cut away, leaving a space, *a*, between the inner end of the cutting-edges over the pivotal screw C. The space *a* is cut away in the blades A B for receiving the edge of the garment in which the button-hole is to be cut. By this construction I am enabled to bring the heels *c* of the cutting-edges near the pivot of the shears.

In the enlarged portion of the handle *d* of the blade B is formed a curved slot, *e*, with the pivotal screw C as a center, and in the handle *d'* of the blade A is formed a curved slot, *e'*, conforming in shape, but not in width, to the

slot *e*. The slot *e* of the blade B is beveled or square-seated to receive the beveled or square-seated boss *f* of the adjustable stud or stop *g*, whose threaded end extends outward through the narrower and outer side of the slot, and receives a milled nut, *h*, by which the stud may be clamped in any desired position in the slot *e*. The round end of the stud *g* projects beyond the inner face of the handle *d* of the blade B into the curved slot *e'* of the handle *d'*. The stud *g* serves as a stop to limit the movement of the blades A B, so as to regulate the length of the button-hole by limiting the approach of the blades to each other, and also serves as a set, so that the blades form a perfect cutting-shears only by not allowing the cutting-edges to open into the slot *a*.

The gage D, formed of a slotted plate having on one edge thereof an arm, *i*, is secured to the blade A by a nut, *j*, received on the end of the pivotal screw C, the slot of the gage being received on the screw, and the arm *i* projecting over the blade A toward the blade B and across the slot *b*. The gage D may be adjusted back and forth on the pivotal screw C, regulating the distance between the edge of the garment and the outer end of the button-hole to be cut.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the blades A B, provided with curved slots *e e'* in the handle thereof, of a stud, *g*, adjustably secured in the curved slot of one handle, and projecting into the curved slot of the opposite handle, substantially as herein shown and described.

2. The combination, with the blades A B, cut away, as described, and provided with curved slots *e e'* in their handles, of the adjustable stud *g* and the adjustable gage D, substantially as herein shown and described.

WILLIAM E. LANT.

Witnesses:

ROBT. L. EICHHOLTZ,
JNO. C. LONG.