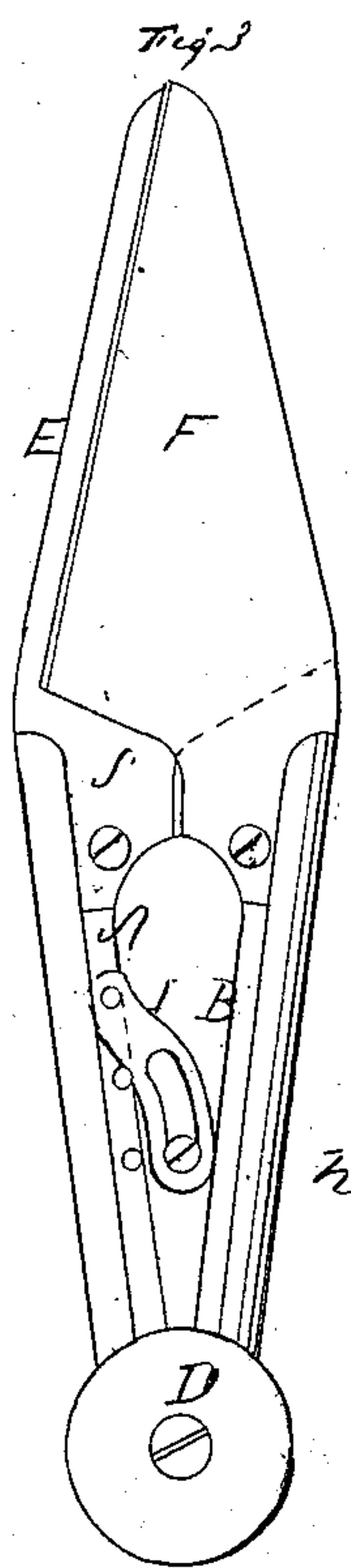
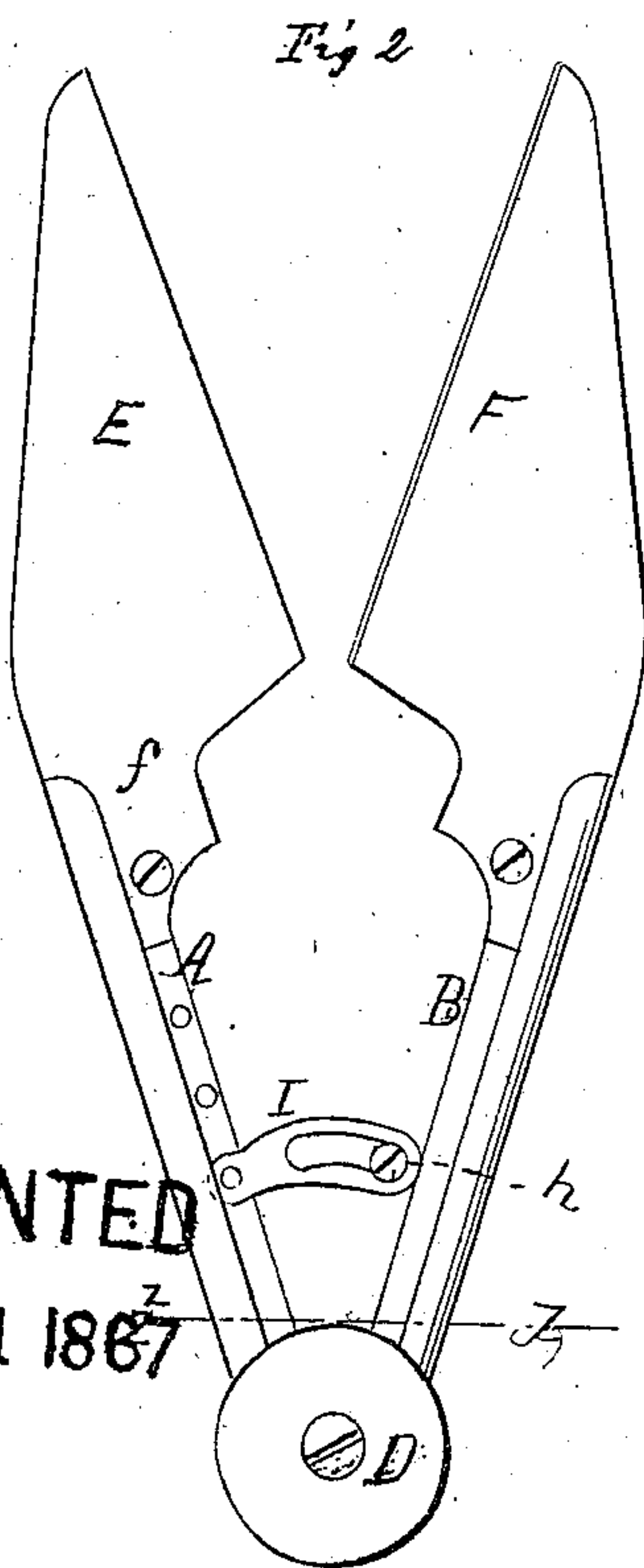
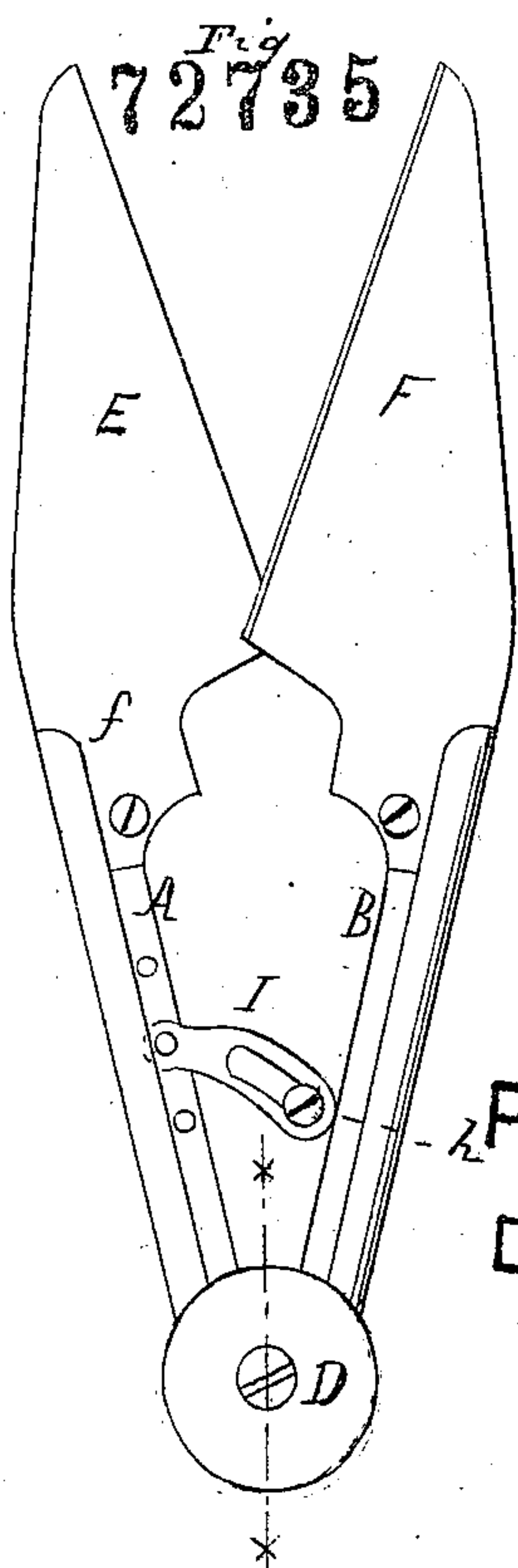
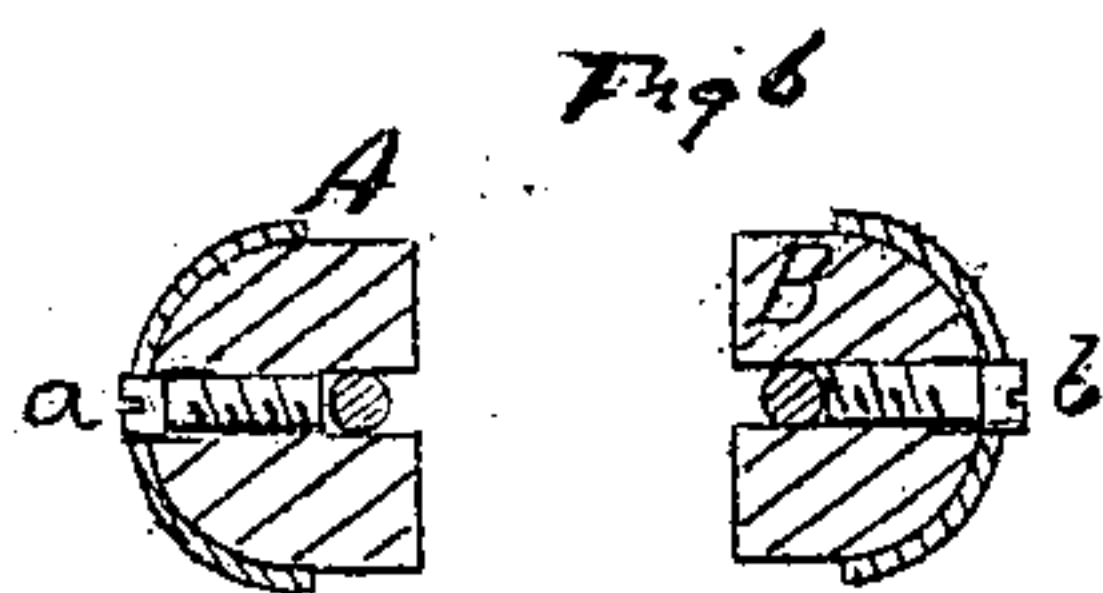
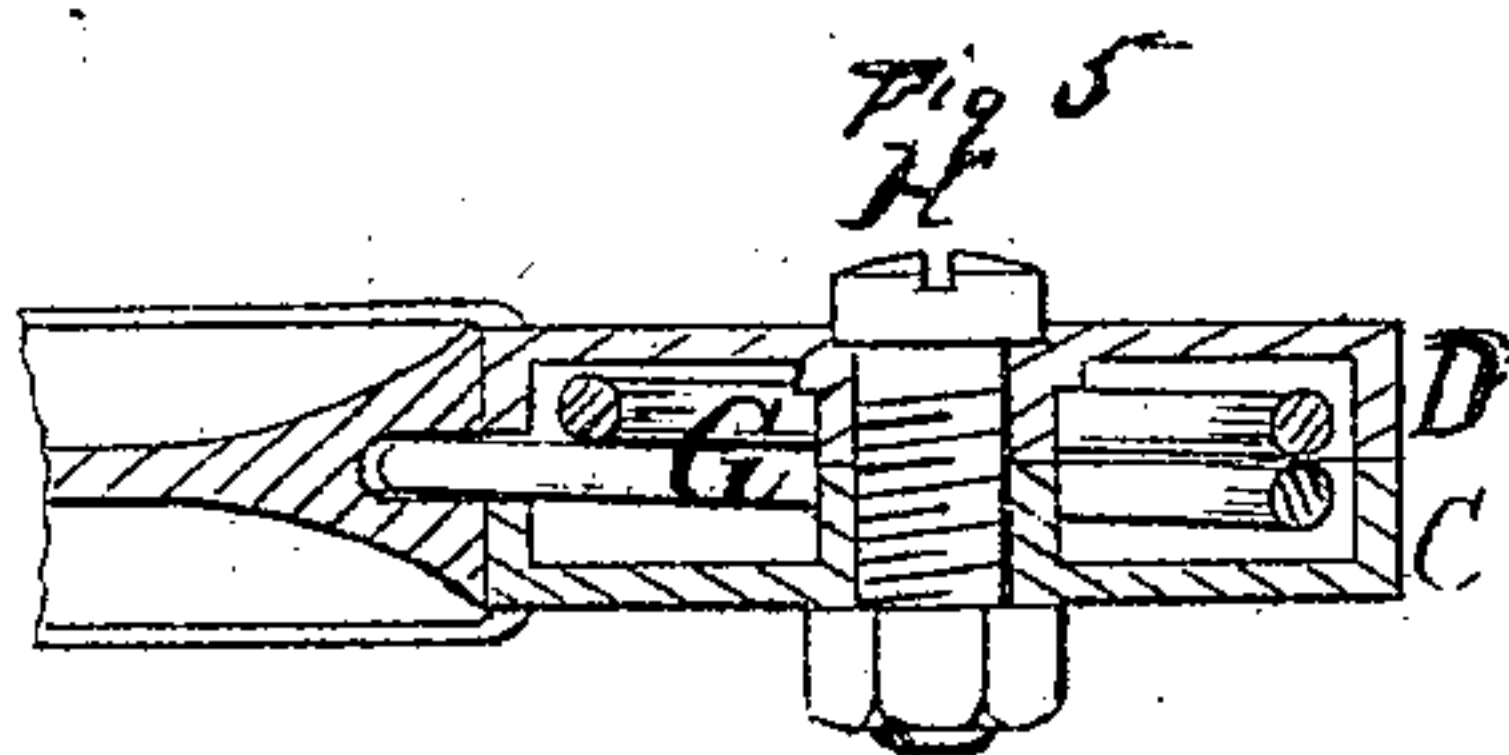
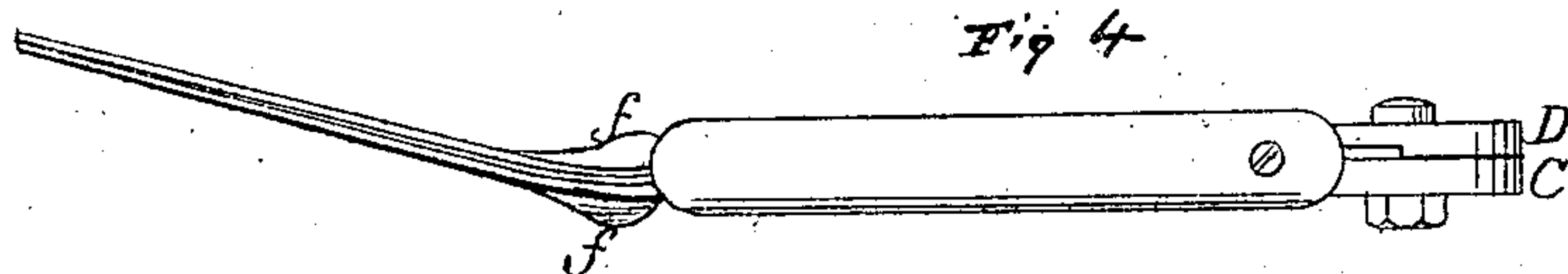


JOHN T. HENRY'S IMP'T IN SHEEP SHEARS



PATENTED
DEC 31 1867



Witnesses:

a. J. Tibbitts
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John T. Henry
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By his Attorney

J. E. Earle

United States Patent Office.

JOHN T. HENRY, OF HAMDEN, CONNECTICUT.

Letters Patent No. 72,735, dated December 31, 1867.

IMPROVEMENT IN SHEEP-SHEARS.

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, JOHN T. HENRY, of Hamden, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Sheep-Shears; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a top view.

Figure 2, a like view illustrating the adjustment for opening.

Figure 3, the same closed.

Figure 4, a side view.

Figure 5, a section on line *x x*, through the head; and in

Figure 6 a section on line *z z*.

The common manner of constructing sheep-shears, is to form the whole of steel, the loop at the head acting as a spring to force the blades apart. To this construction there are many objections, among which is the great cost of manufacture, and the fixed spring which is incapable of adjustment, and which objections by my invention are entirely overcome.

To enable others to construct my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A B are two arms, fixed respectively to the two parts of a head, C D, (see fig. 5,) and to the other end of the said arms are fixed steel blades, E F. The two parts of the head C D form a chamber, within which is arranged a wire or similar spring, G, (see fig. 5,) the two ends bearing respectively upon screws *a* and *b* in the arms, as seen in fig. 6. The tendency of said spring is to hold the blades asunder, as seen in fig. 1, and the force with which the blades are so forced asunder is adjusted by the screws *a* and *b*. As by turning the screws in the force of the spring is increased, and by turning them out diminished, therefore the spring for opening the shears may be adjusted to suit the hand of the operator. The two parts of the head are secured by a bolt, H, passing therethrough, and the two parts of the head are fitted together, relative to their respective blades, so that the edges of the two parts meet at the heel and are slightly open toward the head, so that by turning up the bolt the heads are pressed harder together, causing the edge of the blades to bear more strongly against each other. This adjustment is necessary in many cases. The blades are attached to the arms by screws or rivets, and are formed from sheet steel, and struck up so as to form a concavity at *f*, upon the inside of each blade, as more clearly seen in fig. 4, which strengthens the blade at that point. Between the two arms I arrange a link, I, slotted so as to pass freely over a rivet, *h*, upon one arm, and the other end of the said link so as to enter either one of several holes in the other arm, so that by placing it, say, in the first hole, as in fig. 2, the blades are extended to their fullest extent, and when desirable that the blades be not so far extended, the link is placed in a hole nearer the blades, as in fig. 1, and when it is desirable to secure the blades in a closed position attach the link to the highest hole, as in fig. 3, and thus by this simple arrangement the opening of the blades is easily adjusted.

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

1. The head C D, formed upon or attached to the shank of the blades, and constructed relatively to the edge of the blades, so that the two parts, C D, will bear hard together at the extreme point from the blades, and opening toward the blades so as to be adjusted by the screw H to govern the bearing of the blades upon each other, substantially as herein set forth.

2. In combination with the blades E F, and the respective arms A B, I claim the head constructed so as to conceal the spring, substantially as set forth.

3. In combination with the blades E F, and the spring G, I claim the adjusting-screws *a* and *b*, in the arms of the respective blades, so as to operate in the manner described.

4. The link I, in combination with the two arms A and B, arranged so as to adjust the opening, substantially as herein set forth.

JNO. T. HENRY.

Witnesses:

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