(No Model.)

O. EWING.

HOG TENDON CUTTER.

No. 253,359. Patented Feb. 7, 1882.

Fig. 2.

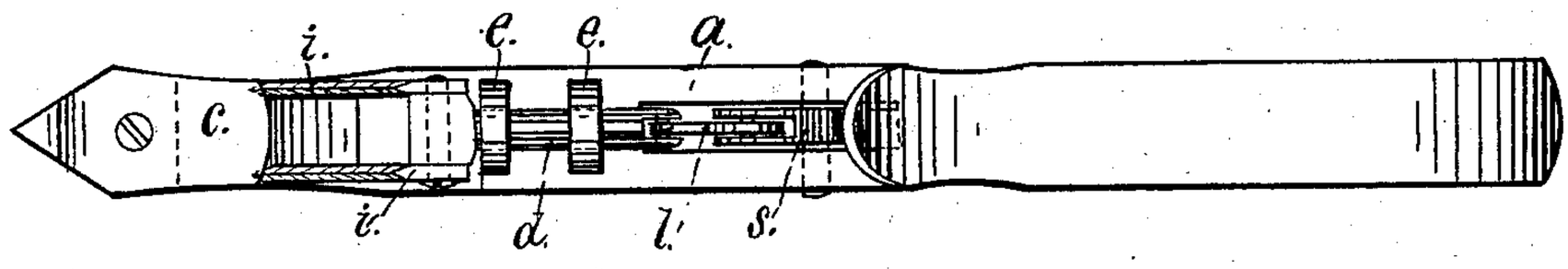
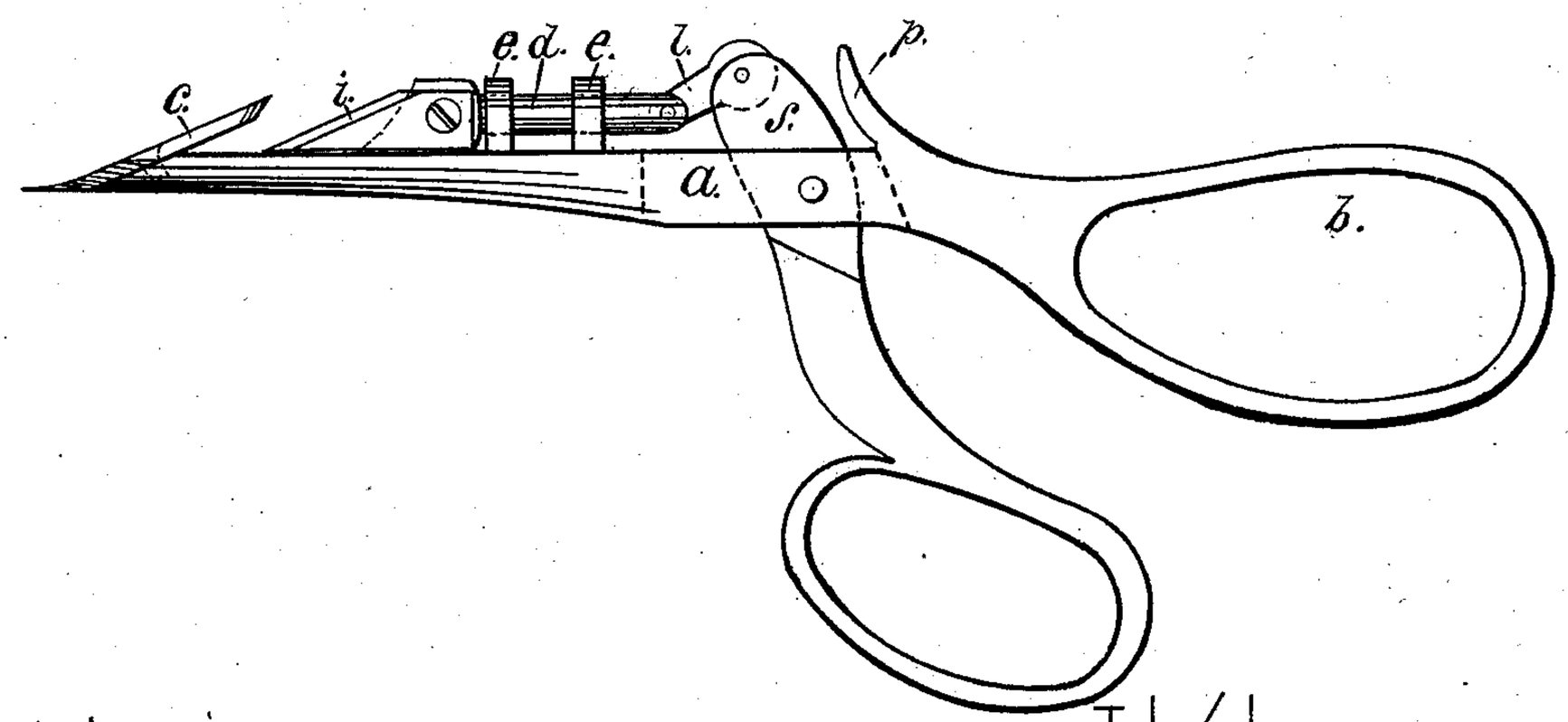


Fig. 1.



WITNESSES:

Wm. B. Burford

H. P. Hood.

INVENTOR:

Orville Ewing

UNITED STATES PATENT OFFICE.

ORVILLE EWING, OF DECATUR, ILLINOIS.

HOG-TENDON CUTTER.

SPECIFICATION forming part of Letters Patent No. 253,359, dated February 7, 1882.

Application filed December 24, 1881. (No model.)

To all whom it may concern:

Be it known that I, ORVILLE EWING, a resident of Decatur, in the county of Macon and State of Illinois, have invented a new and useful Improvement in Instruments for Cutting Tendons in Hogs and other Animals, of which the following is a specification, having reference to the accompanying drawings:

My invention relates to an improved instrument principally designed for cutting the tendons of the adductor muscles of the snout in hogs to prevent rooting, the object being to make an incision exposing the tendon, to pick up the tendon, and to cut a piece out of it at one operation and with one tool.

My invention consists in the combination and adaptation of the various parts with and to each other, as hereinafter described.

The accompanying drawings illustrate my invention.

Figure 1 is a side elevation. Fig. 2 is a plan.

Like letters refer to like parts in both figures.

a is a bar of iron or steel, having a loop, *b*, formed at one end, and having secured to the other end a lance-shaped knife, *c*. Said knife is set at an acute angle with the bar *a*, as shown, and its rear portion projects upward and backward. The knife has cutting-edges on each of the sides of its triangular or lance-shaped point, and also a cutting-edge at its rear end.

d is a sliding bar moving freely in the lugs *e e* on the bar *a*. To the bar *d* is secured a pair of parallel knives, *i i*, their cutting-edges being inclined to the bar *a* at the same angle as the knife *c*, so that as the bar *d* is slid forward the knives *i i* cut against the back of knife *c*. The bar *d* is moved forward and backward by the toggle-joint formed by the link *l* and lever *f*, which is pivoted to the bar *a*, as shown.

The operation of my instrument is as follows: The instrument is held in the right hand, the thumb resting against the curved projection *p*, and the little finger and one next it entering the loop *b*. The point of knife *c* is now inserted in the hog's snout, under the adductor tendon, on one side from above, passing downward and outward the tendon is raised, and as the knife is pushed farther forward drops behind the rear end of the knife. The forefinger is now inserted in the loop *s*, and, being contracted, the sliding bar *d*, carrying the knives *i i*, is forced forward against the tendon and back of knife *c*, thus cutting a piece out of the tendon. A slight pull backward by the operator now clears the instrument from the snout, the sharpened rear edge of the knife *c* cutting its way out.

I claim as my invention—

The instrument for cutting tendons, consisting of bar *a*, knife *c*, knives *i i*, sliding bar *d*, and means for forcing said sliding bar forward, all combined substantially as shown, and for the purpose set forth.

ORVILLE EWING.

Witnesses:

WM. B. BURFORD,

H. P. HOOD.