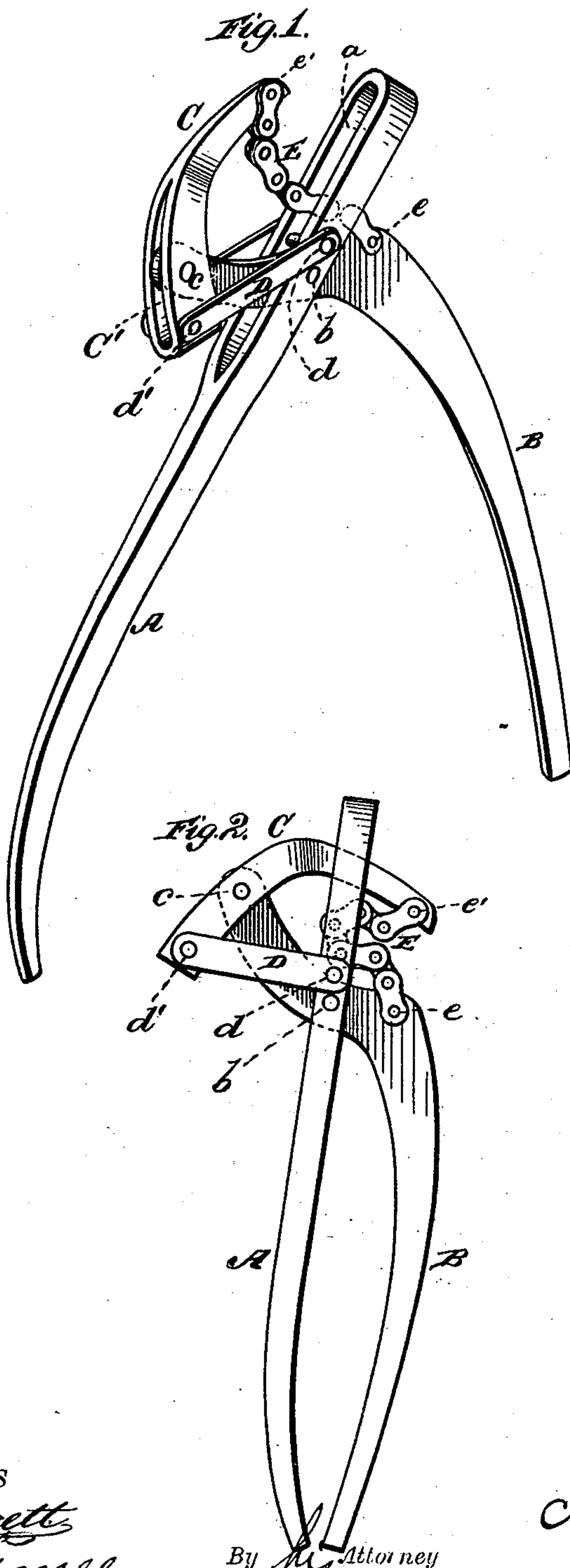


(No Model.)

C. B. HALSTEAD.
Castrating Instrument.

No. 234,914.

Patented Nov. 30, 1880.



WITNESSES
Robert Everett
J. McNamee

By *Mr. Attorney*

INVENTOR
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UNITED STATES PATENT OFFICE.

CHARLES B. HALSTEAD, OF RANTOUL, ILLINOIS.

CASTRATING-INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 234,914, dated November 30, 1880.

Application filed July 26, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. HALSTEAD, a citizen of the United States, residing at Rantoul, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Castrating-Instruments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to an instrument adapted for service in spaying or castrating animals; and the novelty consists in the construction and arrangement of parts as will be more fully hereinafter set forth, and pointed out in the claim.

In this art it is necessary to sever the spermatic cord, and also to stop the flow of blood. Various and painful methods have been employed.

My invention has for its object the severance of the spermatic cord, and at the same time to seal the end or ends of said cord so that it would be ligatured.

The invention consists in two pivoted levers, one having a slot, in which the other operates to a certain extent; but instead of employing the ordinary shear construction, which gives a positive and arbitrary motion, I employ a combination of levers, pivoted as shown, by means of which I obtain a gradual differential movement.

To enable others skilled in the art to make and use my invention, I will describe its construction, and to that effect refer to the accompanying drawings, in which—

Figure 1 is a perspective view, and Fig. 2 a longitudinal elevation.

Referring to the drawings, A represents one lever, and B its fellow, the two being pivoted together at *b*.

C represents a curved lever pivoted to the arm B at *c*, and operating in a slot, *a*, in the lever A. The curved lever C is slotted at *C'* to receive the end of the lever B, as shown.

Pivoted at *d* to the lever A, and to the lever C at *d'*, is an arm, D, and from the knuckle *e* of the lever B extends a chain, E, which operates in the slot *a* and is loosely secured to the lever C at *e'*.

The chain E is of such width in relation to the slot *a* that the spermatic cord will not only be severed, but the ends will be pinched so as to seal them from flow.

What I claim as new is—

In an instrument for castrating animals, the lever A, having slot *a*, and the lever B, pivoted thereto, as shown, in combination with the lever C, having slot *C'*, the bar D, and the chain E, as and for the purposes specified.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES B. HALSTEAD.

Witnesses:

H. R. PERRING,
T. W. CHAMBERLIN.