

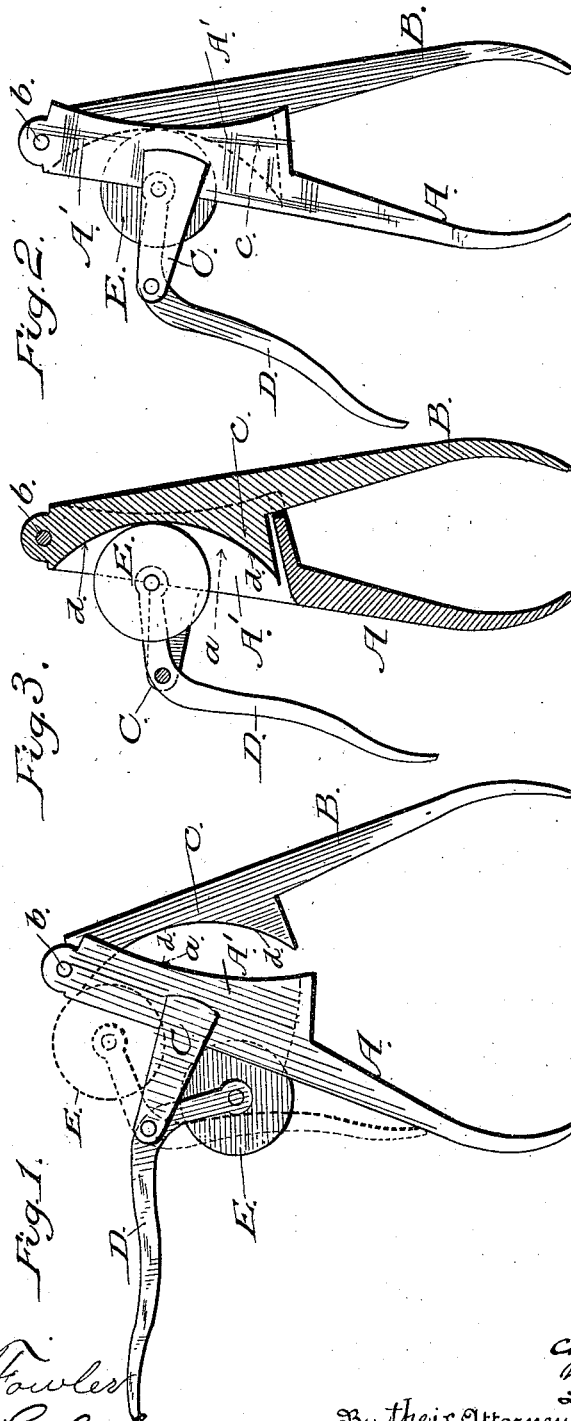
(No Model.)

C., W. & L. L. O'DELL.

VETERINARY SURGICAL INSTRUMENT.

No. 348,044.

Patented Aug. 24, 1886.



Witnesses

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# UNITED STATES PATENT OFFICE.

CLARK O'DELL, WARREN O'DELL, AND LESTER L. O'DELL, OF NEW  
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## VETERINARY SURGICAL INSTRUMENT.

SPECIFICATION forming part of Letters Patent No. 348,044, dated August 24, 1886.

Application filed June 28, 1886. Serial No. 206,491. (No model.)

*To all whom it may concern:*

Be it known that we, CLARK O'DELL, WARREN O'DELL, and LESTER L. O'DELL, citizens of the United States, residing at New Market, in the county of Taylor and State of Iowa, have invented certain Improvements in the Method of and Apparatus for Castrating Animals, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents an elevation of our device, showing the movable arm thrown outward. Fig. 2 is a similar view showing the position of the parts during the process of castration. Fig. 3 represents a longitudinal sectional view of Fig. 2.

Our invention relates to devices employed in veterinary surgery for castrating horses or other animals; and it consists in a method of severing the testicle-cord by a roller process without the shedding of blood, and, secondly, in the peculiar construction and combination of elements forming the apparatus, all of which we will hereinafter fully describe and claim.

To enable others skilled in the art to which our invention appertains to make and use the same, we will now describe its construction and indicate the manner in which we have carried it out.

In the said drawings, a stationary arm, A, and a movable arm, B, form a clamp, between which the testicle-cord is securely held during the process of castration. The stationary arm A has a flanged and bifurcated end, A', thus forming an elongated slot, *a*, within which is pivotally secured at *b* the movable arm B of the clamp. This arm B is also provided with a flange, *c*, having a curved face, *d*, thereby forming a guide, upon which travels a roller, the purpose and operation of which will be hereinafter fully described.

Suitable lugs, C, project from the sides of the stationary arm and have fulcrumed between their outer ends a bent lever, D, the short arm of which is bifurcated to receive a roller, E, pivotally secured within said arm. The roller E moves within the slot *a*, formed in the stationary arm A, and travels in contact with the curved face *d* of the movable arm, so as to sever the cord held by said arm.

During the process of castration the operator grasps the instrument with one hand, the two arms of the clamp gently confining the testicle-cord between them. The operator now grasps the lever D with his other hand, and, moving the same, causes the roller E to travel back and forth over said cord until the same is pressed off, which operation is readily accomplished and without the loss of blood, as the numerous experiments recently made by us attest.

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

1. The stationary arm A and the movable arm B, forming a clamp, in combination with the lever D, mounted on the stationary arm, and the roller E, loosely mounted in said lever, substantially as herein described.

2. The stationary arm A, having a slotted portion, *a*, and the movable arm B, having a flange, *c*, provided with a curved face, in combination with the lever D, fulcrumed upon the stationary arm, and a roller mounted in said lever and engaging the curved face of the movable arm to sever the testicle-cord confined thereby, substantially as herein described.

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