

(No Model.)

G. W. TEUFEL.
ECRASEUR.

2 Sheets—Sheet 1.

No. 519,798.

Patented May 15, 1894.

Fig: 3

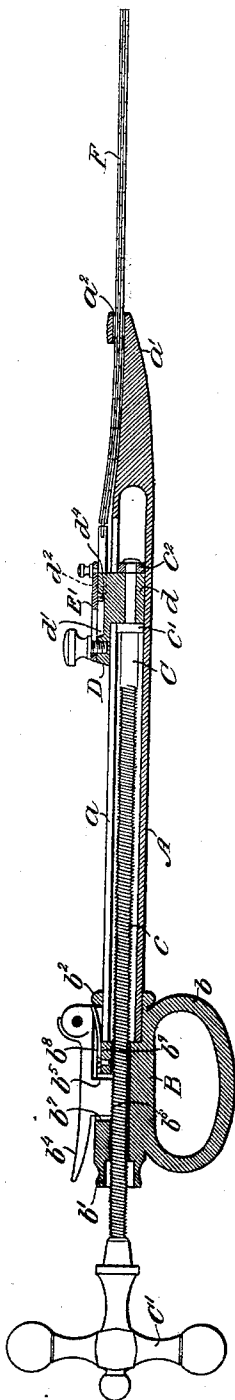


Fig: 2

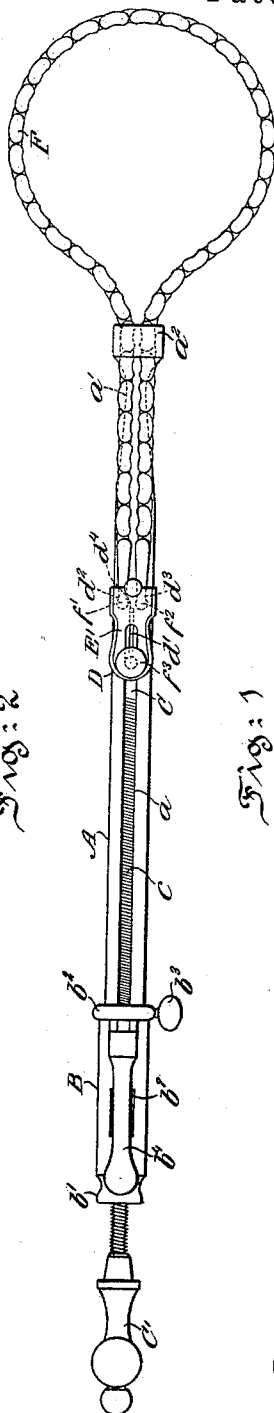
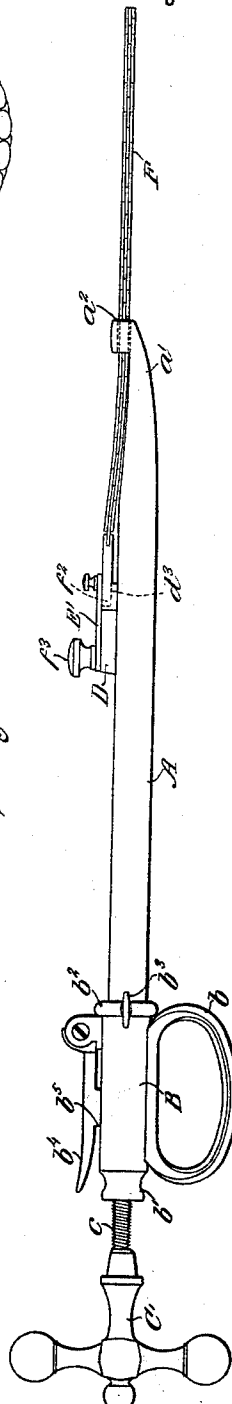


Fig: 1



Witnesses:
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Richard C. Marshall.

Inventor
George W. Teufel,
By J. Walter Douglass
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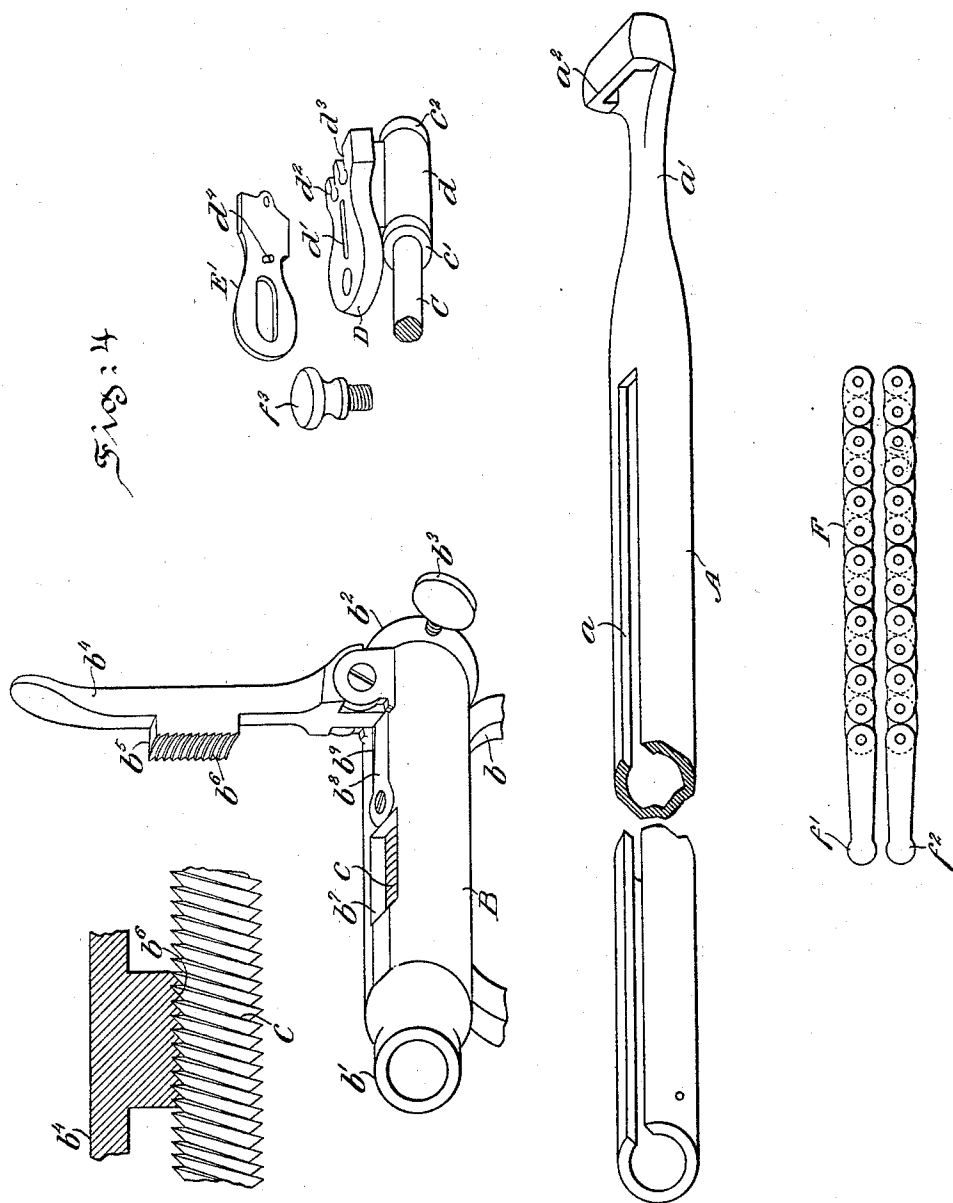
(No Model.)

2 Sheets—Sheet 2.

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No. 519,798.

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Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE W. TEUFEL, OF PHILADELPHIA, PENNSYLVANIA.

ECRASEUR.

SPECIFICATION forming part of Letters Patent No. 519,798, dated May 15, 1894.

Application filed February 6, 1894. Serial No. 499,260. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. TEUFEL, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Ecraseurs, of which the following is a specification.

My invention has relation to ecraseurs for castrating animals; and it relates more particularly to the construction and arrangement of such an instrument.

The principal object of my present invention is to provide a comparatively simple, durable and efficient ecraseur having a tapering screw threaded operating rod and a complementary threaded spring controlled trigger device adapted to engage said rod so as to permit of a movement in one direction while the trigger device is in engagement therewith to take up slack in the chain or noose of the instrument and to prevent a movement of the same in an opposite direction until the said trigger device is released from its engagement with the said rod.

My invention consists of the improvements hereinafter described and claimed.

The nature and characteristic features of my invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, and in which—

Figure 1, is a side elevational view of an ecraseur embodying the features of my invention. Fig. 2, is a top or plan view thereof. Fig. 3, is a longitudinal central section through the device of Fig. 1; and Fig. 4, is a detached view of the several parts of the instrument of my invention, showing the detail construction and arrangement thereof.

Referring to the drawings A, is the barrel or tube of the instrument provided with an oblong slot *a*, extending the length thereof. The forward portion of said barrel or tube A, is made solid and tapering at *a'*, and terminates in a keeper or loop *a*², at the end thereof. At the rear end of the barrel or tube A, is detachably fitted a stock B, having a ring or handle *b*, a recessed end *b'*, and a flanged or beaded front end *b*², through which is inserted a tightening screw *b*³, engaging a slot

or opening in the wall of the barrel or tube A, in order to detachably secure the stock B, thereto. This stock B, is provided with a trigger or cam lever *b*⁴, having about midway in the length thereof a lug *b*⁵, with a semicircular ribbed or threaded face *b*⁶, adapted to engage a slot *b*⁷, formed in the top and extending through the stock B.

*b*⁸, is a leaf spring screwed into a recess *b*⁹, in the stock, adapted to receive the same and engaging at the free end with the surface of the cam or trigger lever *b*⁴, in order that by a pressure exerted on the free end of this lever *b*⁴, the lug *b*⁵, may be caused to engage with the threaded surface *c*, of a longitudinal operating rod C, extending through said stock B, and the slotted barrel or tube A and provided with a slanting threaded or ribbed surface adapted to permit of the engagement of the lug *b*⁵, of the cam or trigger lever *b*⁴, so as to lock therewith, while at the same time the taper of the threaded portion of the rod is such as to permit of the rod being drawn rearwardly against the face of the lug *b*⁵, of the lever *b*⁴, in its locked or depressed position, as shown in the drawings. This rod C, is provided at the rear end with a handle C', and at the forward smooth surfaced end with shoulders or circular projections *c'* and *c*², between which is engaged a collar or sleeve *d*, carrying a slider D, with a slot D', extending through the middle thereof and with sockets or slots *d*² and *d*³, conforming to the enlarged ends *f'* and *f*², of a sprocket or other suitable chain F, held to place in said sockets or slots *d*² and *d*³, by means of a slotted clamp plate E', provided with a pin engaging in the slot *d'*, in the body of the slider D, and having a tightening screw *f*³, adapted to hold to place the rear enlarged ends of the cord or chain F, which normally extends through the keeper or loop *a*², of the barrel or tube A, and forming a noose or loop for embracing the member of the animal.

The operation of the instrument hereinbefore described, is as follows:—It must be assumed that the loop has been caused to occupy the position illustrated in Fig. 2, and that the cam or trigger lever has also been caused to occupy a depressed position with the ribbed or threaded face of the lug thereof

in contact with the threaded portion of the rod C. By drawing rearwardly on the rod C, by means of the handle C', the slack in the noose or chain F, will be readily taken up and so as to properly embrace the member to be held tightly or otherwise for the performance of an operation and such will be so held with respect to any pressure exerted against the surface of the lug *b*⁵, of the spring trigger device *b*⁴, in engagement with the threaded rod C, during the operation being performed upon the animal. When slack of the chain or noose F, is required, by simply raising the cam or trigger lever device *b*⁴, the same may be readily effected by a reverse pushing movement of the rod C, through the barrel and stock of the instrument.

Having thus described the nature and ob-

jects of my invention, what I claim as new, and desire to secure by Letters Patent, is— 20

An ecraseur having a noose or chain, a spring trigger device and a tapering screw threaded operating rod arranged so as to permit while said device is in engagement with said rod of a movement thereof in one direction to take up slack in said chain or noose, substantially as and for the purposes described. 25

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses. 30

GEO. W. TEUFEL.

Witnesses:

RICHARD C. MAXWELL,
THOMAS M. SMITH.