

March 17, 1931.

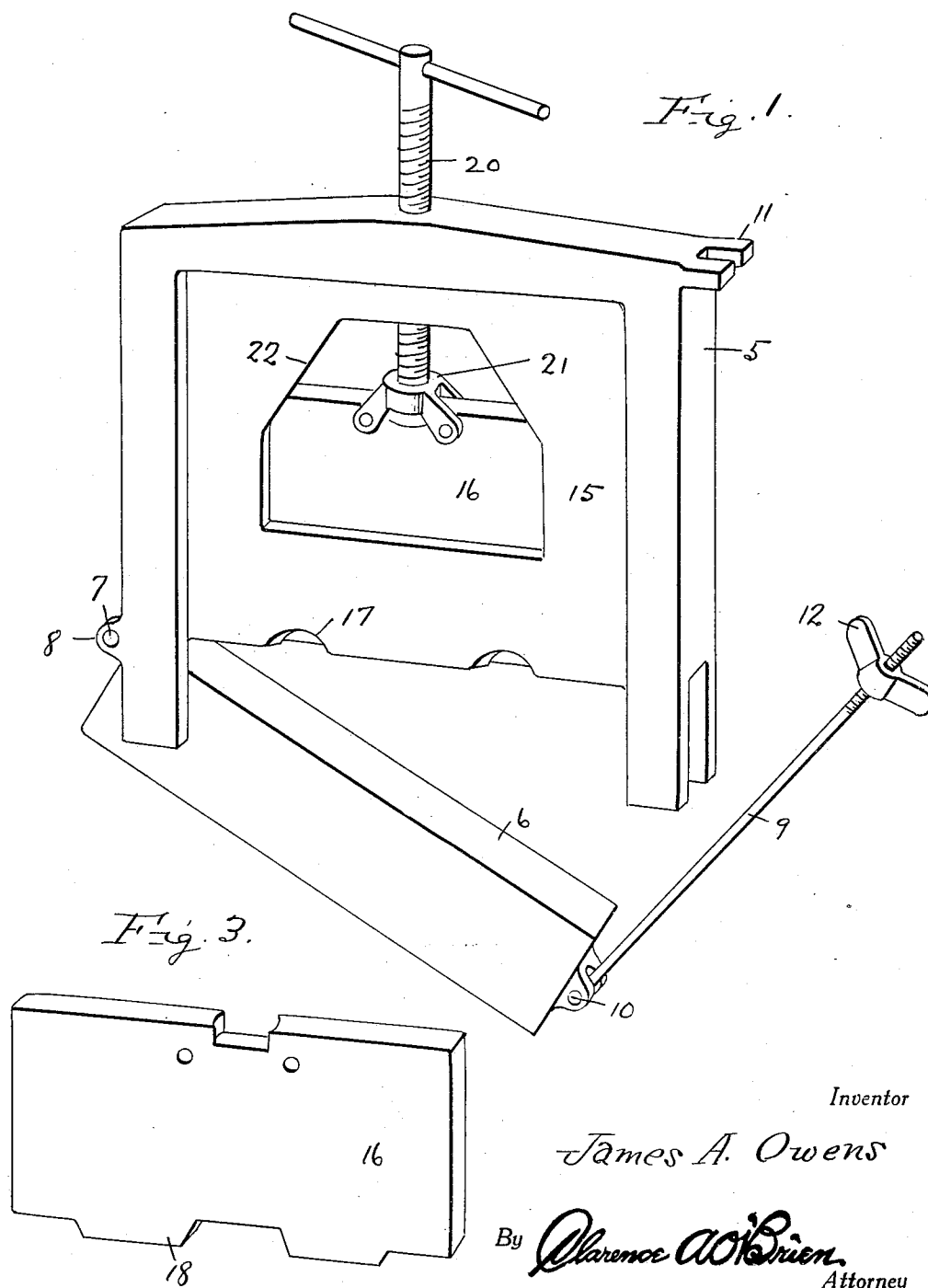
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1,797,017

EMASCULATING DEVICE

Filed Jan. 11, 1930

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

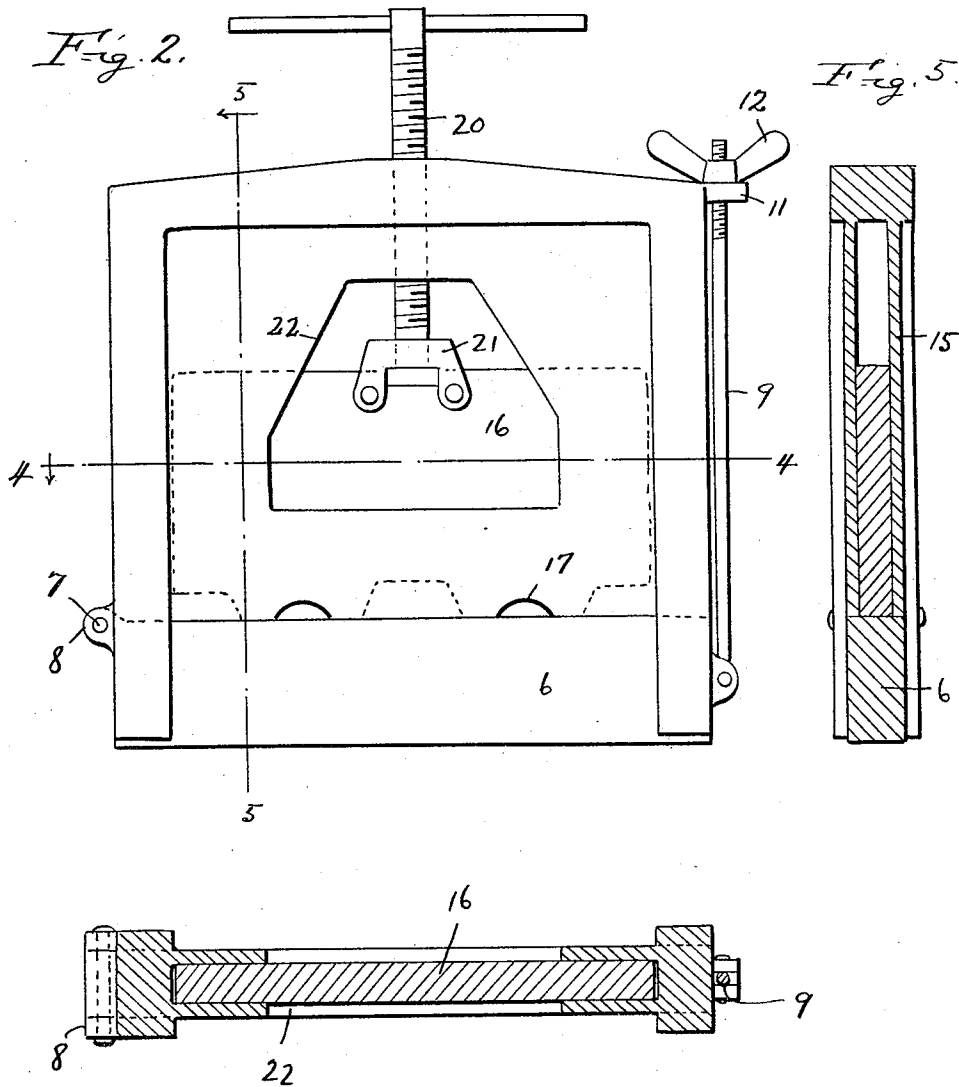


Fig. 4.

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EMASCULATING DEVICE

Application filed January 11, 1930. Serial No. 420,168.

The present invention relates to an emasculating device for use in sterilizing animals, particularly calves and sheep.

The prime object of the invention resides in the provision of means to effectively and efficiently crush the spermatoc cords.

With the above and other like objects in view, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a perspective view of the device showing the same in an open position,

Figure 2 is an elevation thereof showing the same in a closed position,

Figure 3 is a perspective view of the blade,

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 2, and

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 2.

Referring to the drawings in detail it will be seen that the numeral 5 denotes an inverted U-shaped frame having its ends formed with recesses for receiving the ends of a block 6 one end being pivotally mounted by means of a pin 7 between ears 8 projecting from one leg of the frame 5 while the other end is movable in and out of the recess at the end of the other leg of the frame 5.

A bolt 9 is pivotally engaged as at 10 with the free end of the block 6 and is adapted to be disposed between the pair of fingers 11 at the top of the frame so that by tightening bolt 12 against the fingers the block may be held securely in the recesses at the bottom ends of the legs of the frame and is clearly illustrated in Figure 2.

A pair of plates 15 are mounted in the frame in spaced relation to each other and slidably receive therebetween a blade 16. The under edges of the plate 15 are provided with notches 17. The bottom edge of the blade 16 is provided with projections 18 for cutting purposes.

A screw bar 20 is threaded through the center of the cross bar of a frame 5 and has a swivel connection 21 with the upper edge of the blade 16, openings 22 being provided in the plate 15 to give access to this connec-

tion 21 and for lightening the structure as a whole.

In order to crush the spermatoc cords which are held in the notches 17 by the block 16 when in closed position as indicated in Figure 2, the blade 16 is forced downwardly by turning the bar 20 as will be quite apparent and the cutting projections engage the cords and crush them thus sterilizing the animals.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been disclosed in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. An apparatus of the class described comprising a frame, plates mounted in the frame in spaced relation to each other, a blade slidable between the plates, means for sliding the blade, a block pivotally mounted in the frame to close against the edges of the plates, means for holding the block in closed position, said plates having notches in the edges adjacent the block, said blade having crushing projections on edges adapted to cross the notches.

2. An apparatus of the class described comprising an inverted U-shaped frame having its ends recessed, plates in the frame in spaced relation to each other, a block, means for swingably mounting one end of the block in one of the recesses and the other end of the block being movable in and out of the other recesses, means for holding the block with said other end in the other recess, and a blade slidable between the plates.

3. An apparatus of the class described comprising an inverted U-shaped frame having its ends recessed, plates in the frame in spaced relation to each other, a block, means
5 for swingably mounting one end of the block in one of the recesses and the other end of the block being movable in and out of the other recesses, means for holding the block with said other end in the other recess, and a blade
10 slidable between the plates, said plates having notches on the edges adjacent the block.

4. An apparatus of the class described comprising an inverted U-shaped frame having its ends recessed, plates in the frame in
15 spaced relation to each other, a block, means for swingably mounting one end of the block in one of the recesses and the other end of the block being movable in and out of the other recesses, means for holding the block with
20 said other end in the other recess, and a blade slidable between the plates, said plates having notches on the edges adjacent the block, said blade having crushing projections to cross the notches.

5. An apparatus of the class described comprising an inverted U-shaped frame having its ends recessed, plates in the frame in spaced relation to each other, a block, means
30 for swingably mounting one end of the block in one of the recesses and the other end of the block being movable in and out of the other recesses, means for holding the block with said other end in the other recess, and a blade slidable between the plates, said plates
35 having notches on the edges adjacent the block, said blade having crushing projections to cross the notches, a screw threaded through the cross member of the inverted U-shaped frame, a swivel connection between
40 the screw and the blade.

6. An apparatus of the class described comprising an inverted U-shaped frame having its ends recessed, plates in the frame in spaced relation to each other, a block, means
45 for swingably mounting one end of the block in one of the recesses and the other end of the block being movable in and out of the other recesses, means for holding the block with said other end in the other recess, and a
50 blade slidable between the plates, said plates having notches on the edges adjacent the block, said blade having crushing projections to cross the notches, plates having openings to afford access to the swivel connection.

55 In testimony whereof I affix my signature.

JAMES A. OWENS.