

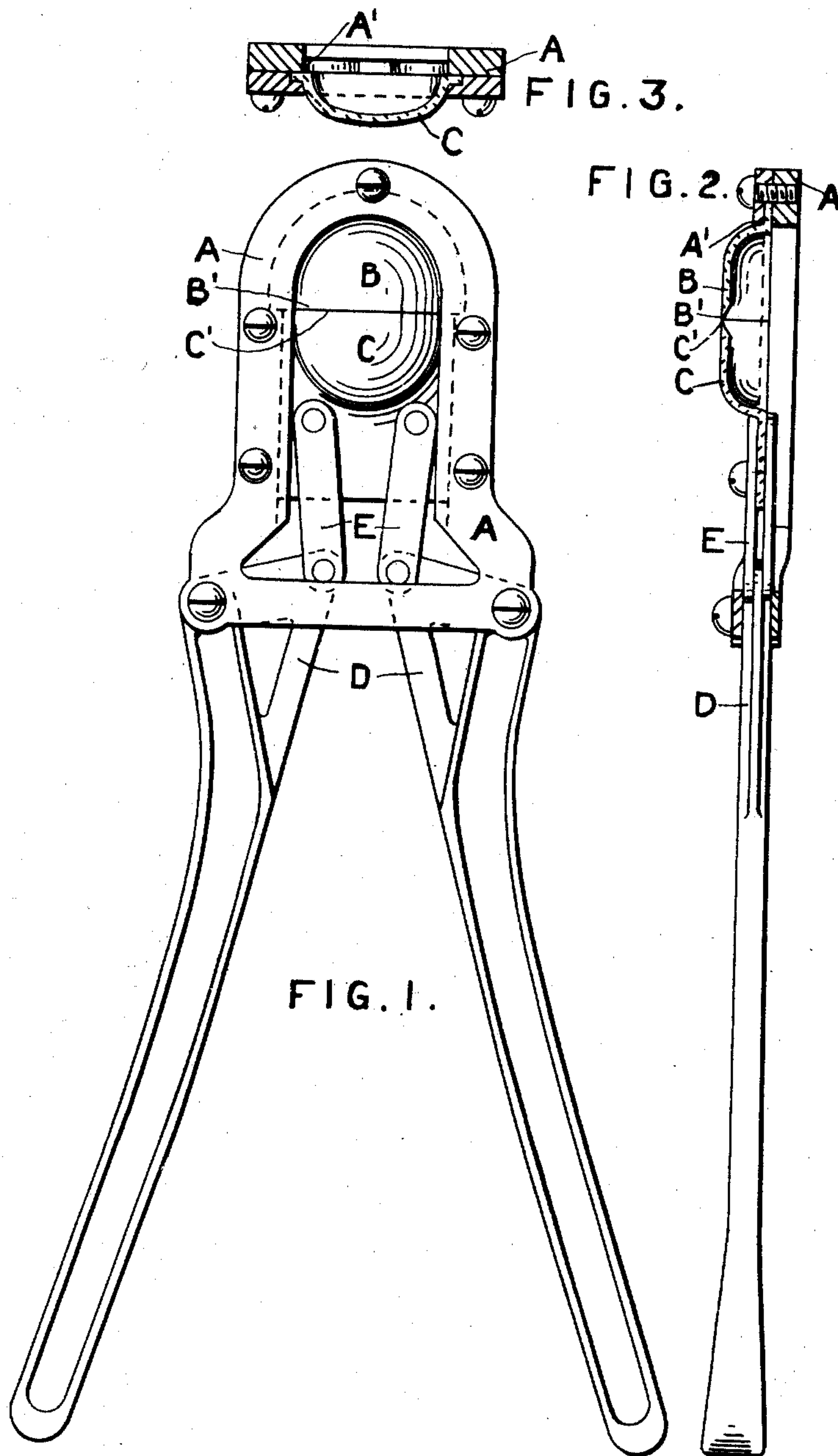
No. 864,590.

PATENTED AUG. 27, 1907.

C. ZOELLER & J. HODGE.
CUTTER OR KNIFE FOR CALF DEHORNERS.

APPLICATION FILED MAR. 7, 1906.

2 SHEETS—SHEET 1.



WITNESSES

W. P. Burke
John A. Perceval

INVENTORS

Carl Zoeller
John Hodge

BY *Richardson*

ATTYS

No. 864,590.

PATENTED AUG. 27, 1907.

C. ZOELLER & J. HODGE.
CUTTER OR KNIFE FOR CALF DEHORNERS.

APPLICATION FILED MAR. 7, 1906.

2 SHEETS—SHEET 2.

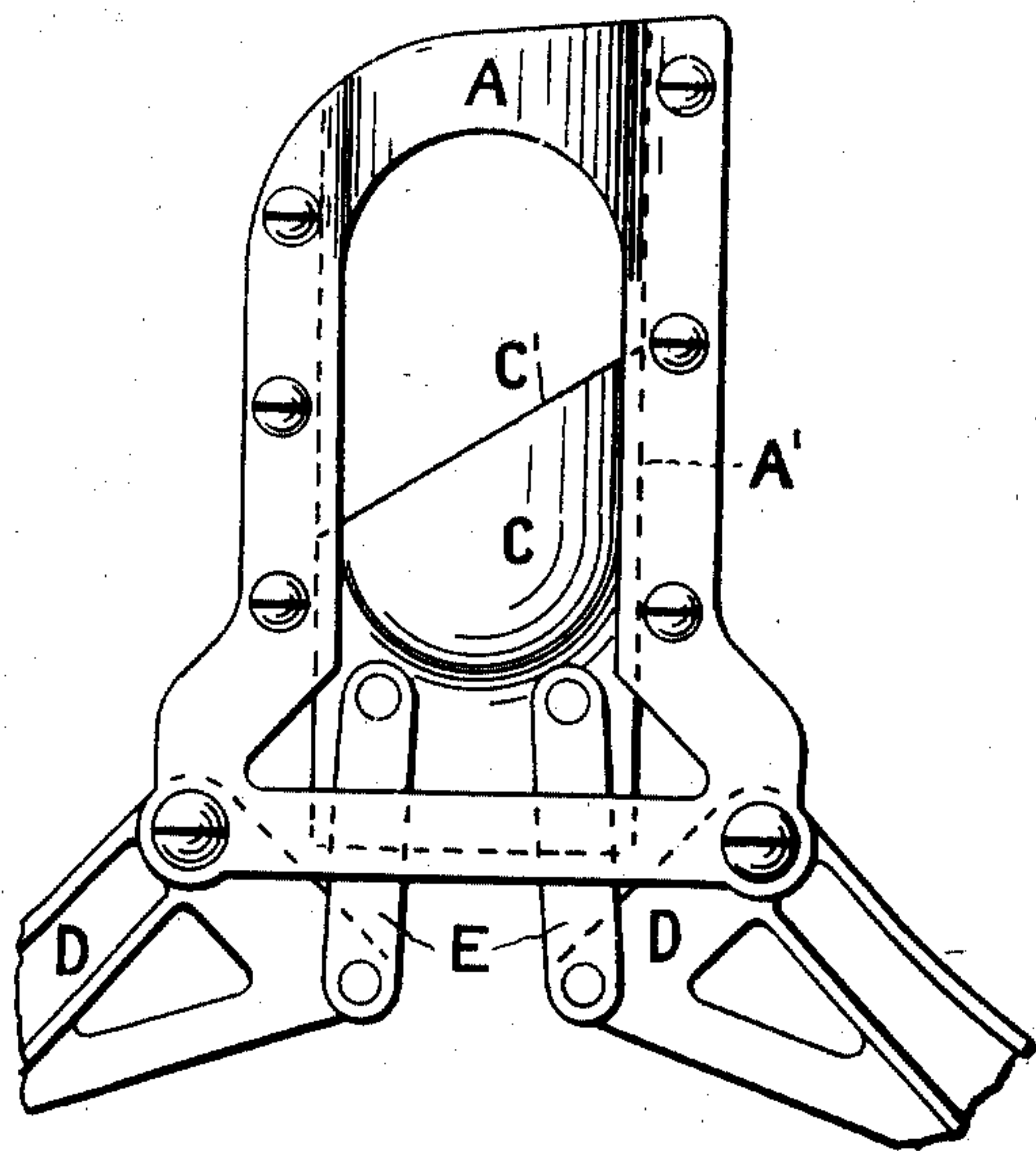


FIG. 4.

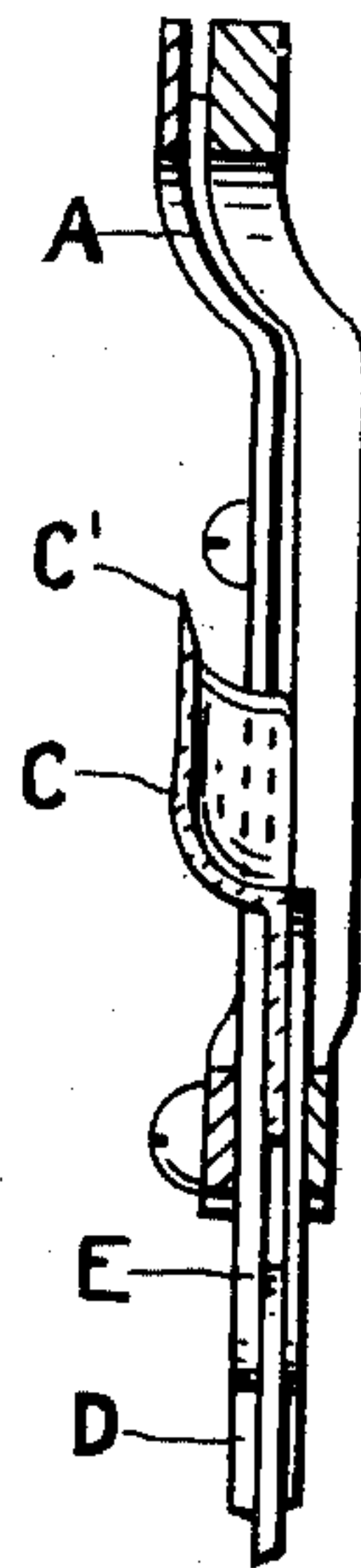


FIG. 5.

WITNESSES

W. P. Burke
John A. Perival.

INVENTORS

Carl Zoeller

John Hodge

BY

Richardson Co

ATTYS.

UNITED STATES PATENT OFFICE.

CARL ZOELLER AND JOHN HODGE, OF BRISBANE, QUEENSLAND, AUSTRALIA.

CUTTER OR KNIFE FOR CALF-DEHORNERS.

No. 864,590.

Specification of Letters Patent.

Patented Aug. 27, 1907.

Application filed March 7, 1906. Serial No. 304,750.

To all whom it may concern:

Be it known that CARL ZOELLER and JOHN HODGE, citizens of Australia, residing at 296-298 Queen street and 275-277 George street, respectively, both in Brisbane, in the State of Queensland, Commonwealth of Australia, have invented new and useful Improvements in Cutters or Knives for Calf-Dehorner, of which the following is a specification.

This invention relates to instruments for dehorning calves, the object being to obtain better results.

With the dehorner at present in use, the horn is cut by a flat blade, but it frequently happens that the root or stump shoots again and a new horn grows. We have found that, by taking out the horn at its socket there is not the same tendency for the horn to grow again, and have therefore devised an improvement in the knife which enables it to carry out that object.

In carrying out our invention we construct the dehorner much on the same lines as those at present in use, viz:—by providing in a suitable frame a sliding cutter or knife operated by levers or racks, but with a view to cutting into the root or socket of the horn we make the cutter or knife dished or bellied instead of flat.

In order that our invention may be better understood, we will now more fully describe same with the aid of the accompanying drawings.

Figure 1 is an elevation of a dehorner, illustrating our invention. Fig. 2 is a section of same. Fig. 3 is a transverse elevation of the cutter head and cutter. Fig. 4 is an elevation showing a modification of the cutter or knife and cutting head (the knife being shown open). Fig. 5 is a section of same.

A is a frame (of metal) of sufficient size to allow it to be placed over the horn. This frame is made, preferably, of two parts secured together so that a groove is formed therein, and at the top thereof a stationary cutter or knife B is secured while a movable cutter or knife C is allowed to slide up or down in the lower portion thereof. These cutters or knives B,

C are dished or bellied as shown and are provided with cutting edges at B' C'.

The lower cutter or knife C may be operated in any desired manner, such as shown in the drawings, by means of bell crank levers D and links E, or by other suitable means.

It will be understood that the cutting edges B' C' of the cutters or knives B, C, need not necessarily be transverse to the center line of the appliance but may be diagonal as in Figs. 4 and 5. Also, if desired, the stationary cutter or knife B may be removed, and instead thereof the upper end of the frame A may be dished or bellied and provided with a slot to permit of the cutter or knife C (having a transverse or diagonal cutting edge) sliding therein, the horn in this case being cut against the upper end of the frame A.

Our appliance may be operated in the same manner as those at present in use excepting that prior to bringing the cutters or knives B, C together, they must be well pressed down towards the root or socket of the horn.

Having now particularly described and ascertained the nature of our said invention and the manner in which it is to be performed, we declare that what we claim is:—

A device for dehorning cattle comprising a frame, a stationary blade in said frame, a blade mounted to slide in said frame towards and from the stationary blade, each of said blades having a dished section so that their cutting edges are to one side of the plane of the frame, handles pivoted to opposite sides of said frame and having inwardly extending portions, and links connecting said inwardly extending portions with the slidable blade.

Dated this second day of February 1906.

In testimony whereof they have signed their names to this specification in the presence of two subscribing witnesses.

CARL ZOELLER.
JOHN HODGE.

Witnesses:

ALEXANDER ANDERSON,
SARAH LYON.