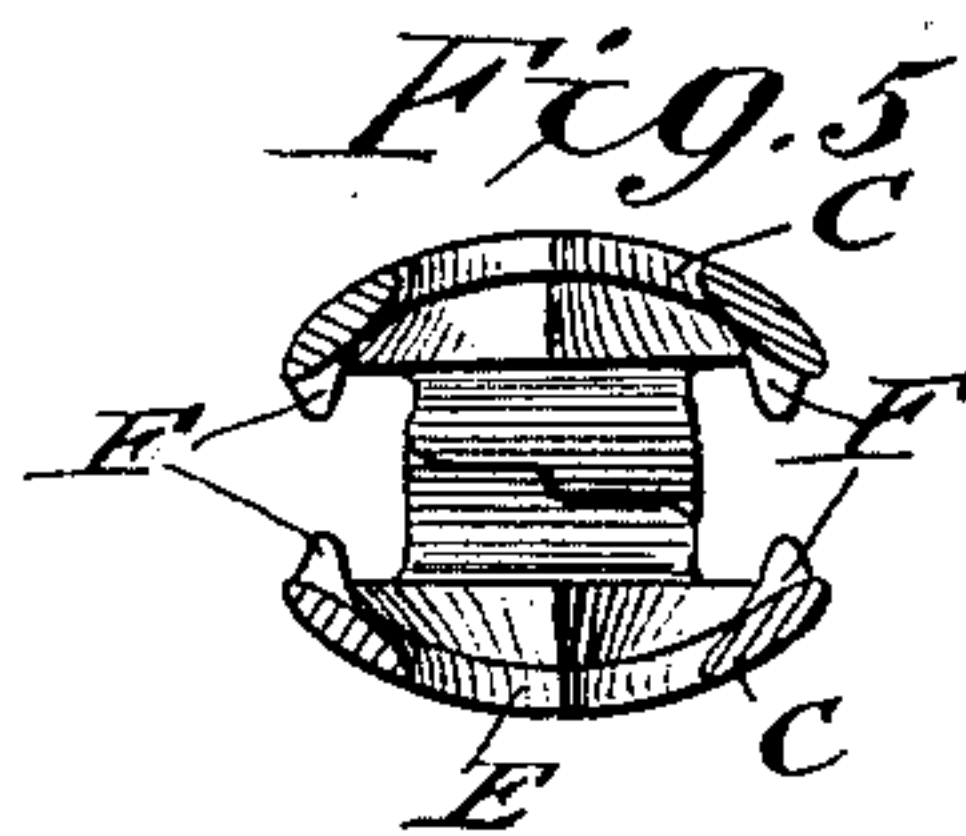
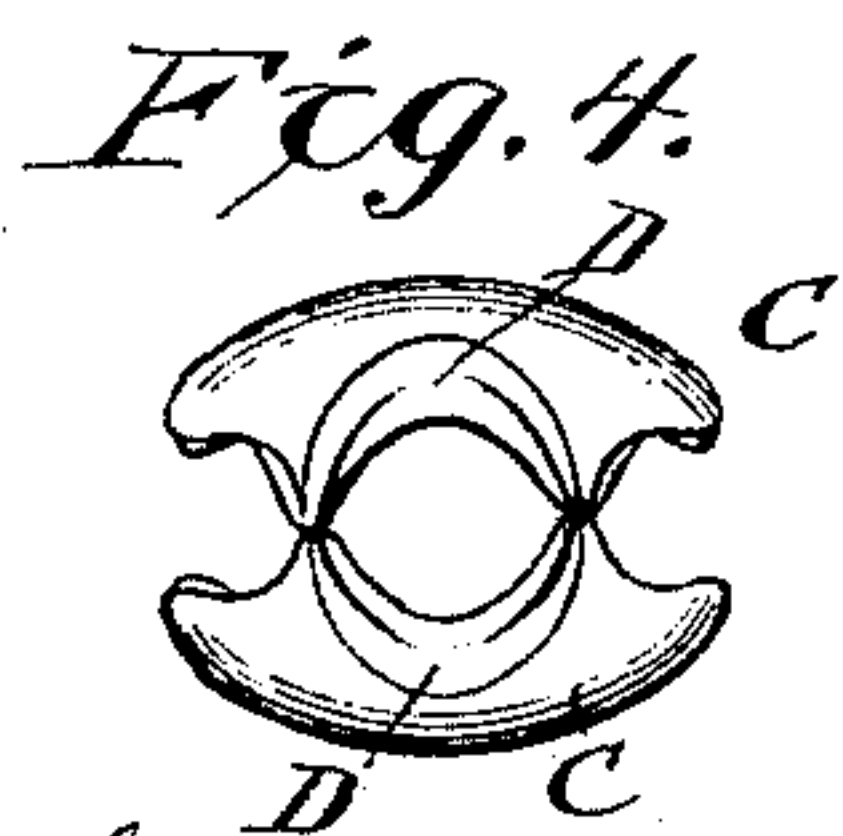
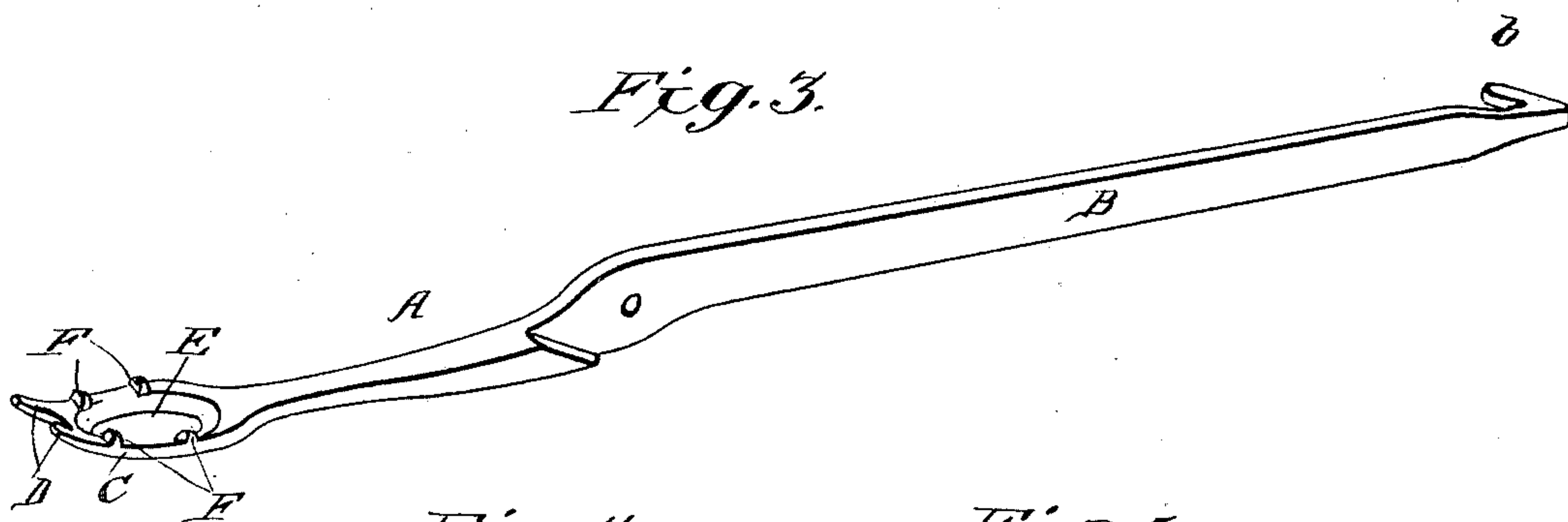
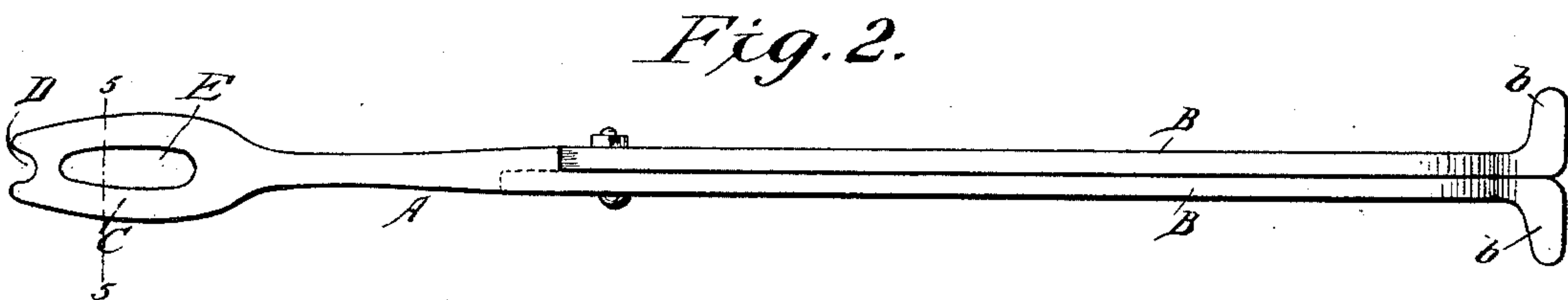
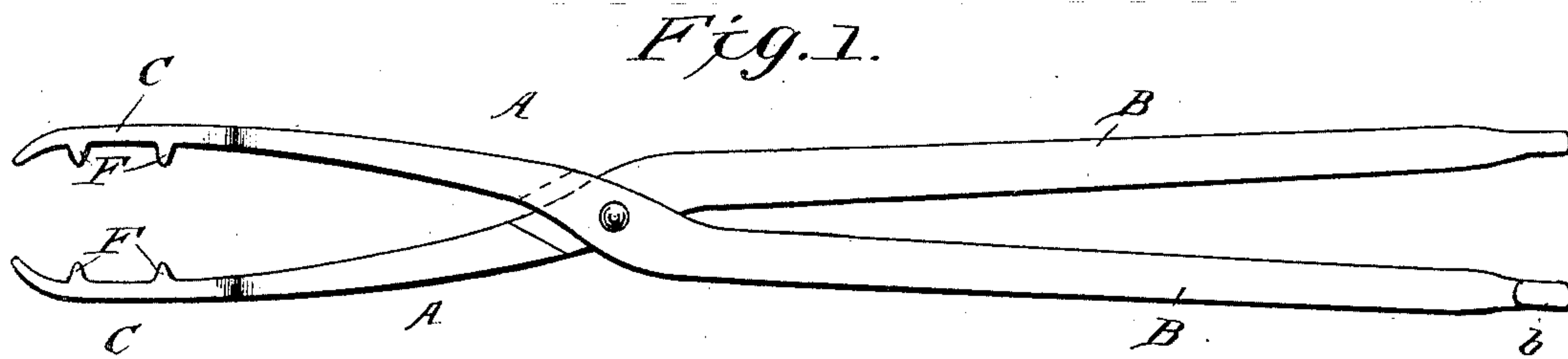


(No Model.)

J. N. REIMERS.
OBSTETRICAL FORCEPS.

No. 424,689.

Patented Apr. 1, 1890.



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN N. REIMERS, OF CALUMET, IOWA.

OBSTETRICAL FORCEPS.

SPECIFICATION forming part of Letters Patent No. 424,689, dated April 1, 1890.

Application filed January 13, 1890. Serial No. 336,833. (No model.)

To all whom it may concern:

Be it known that I, JOHN N. REIMERS, of Calumet, in the county of O'Brien and State of Iowa, have invented a new and useful Improvement in Pig-Forceps, of which the following is a specification.

This invention is an improvement in forceps for aiding in delivering animals of their offspring, and is especially designed for use in delivering pigs.

The invention consists in the novel constructions and combinations of parts, as will be hereinafter more fully described and claimed.

In the drawings, Figure 1 is a side view, and Fig. 2 an edge view, of the forceps. Fig. 3 is a detail view of one of the arms. Fig. 4 is a front end view of the forceps, and Fig. 5 is a cross-section on about line 5 5 of Fig. 2.

The forceps are shown as constructed in tong-form with the arms A A, pivoted together and extended to form the handle-arms B, which are suitably constructed at their ends at b to enable the operator to pull strongly without necessitating the pressing of the forceps-jaws too tightly together. The arms A have the jaws C at their ends, such jaws being substantially alike, so that the description of one will answer for both. The jaw C' is formed with its outer side or face smoothly finished and is rounded off transversely, and also down toward its free end or point, at which end or point the jaw has a notch D, or cut-out portion, for the purpose presently described. The jaw C also has an opening E to receive the skull of the animal, so the jaws may securely grasp the same. This opening E is approximately oval and makes the jaw into practically a ring, from the inner side of which prongs or teeth F project inward, as shown. As the two jaws are brought together or toward each other, they will serve to securely and firmly grasp the young as it is presented, so it may be readily withdrawn. The

notches D of the two jaws together form an opening adapted to receive the leg, if the presentation be such, so that the leg may be firmly grasped and drawn without ripping or otherwise damaging the muscles or other parts. This construction of the forceps to enable the grasping of the leg is an important feature of my invention, as is also the provision of the prongs or teeth on the under side of the ring of the jaw, as such teeth enable the operator to get a firm hold on the head of the pig, so the forceps will not slip and injure the animal. Consequently whether the presentation be of head or leg the forceps are constructed to properly assist in the delivery.

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

1. The improved forceps herein described, consisting of the pivoted arms having the jaws and provided in the front end or point thereof with notches, which form the opening to receive the leg of the animal, substantially as set forth.

2. The forceps herein described, having their arms pivoted and provided with jaws, such jaws having openings to receive the skull and provided with prongs or teeth projected from the inner side of the ring surrounding such opening, substantially as set forth.

3. As an improved article of manufacture, the forceps herein described, consisting of the arms pivoted together and provided with the jaws having their points or free ends notched, provided with openings forming them into ring shape and having prongs or teeth projected from the inner sides of the rings of the jaws, substantially as set forth.

JOHN N. REIMERS.

Witnesses:

C. E. ACHORN,
W. P. DAVIS.