

No. 881,405.

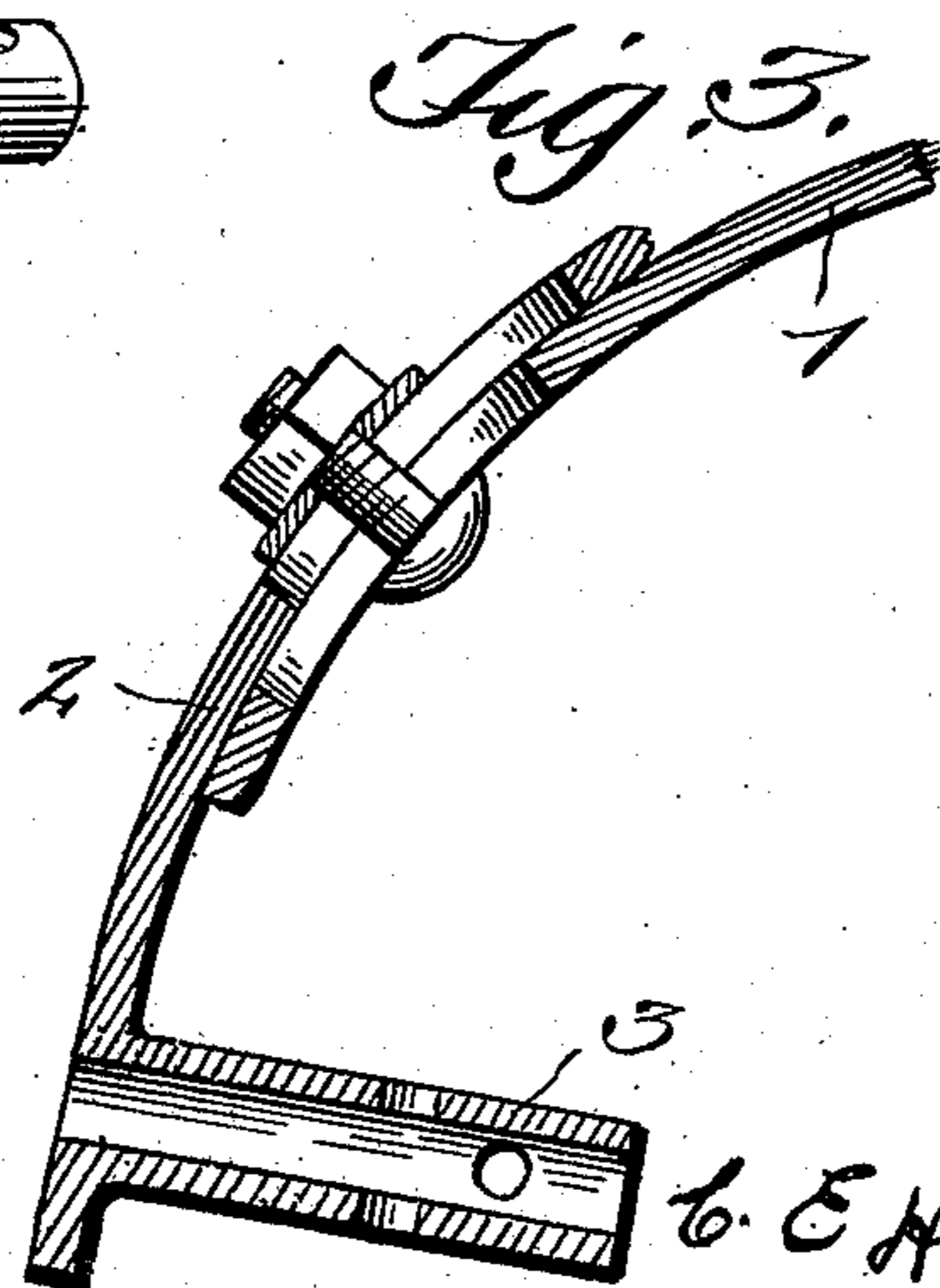
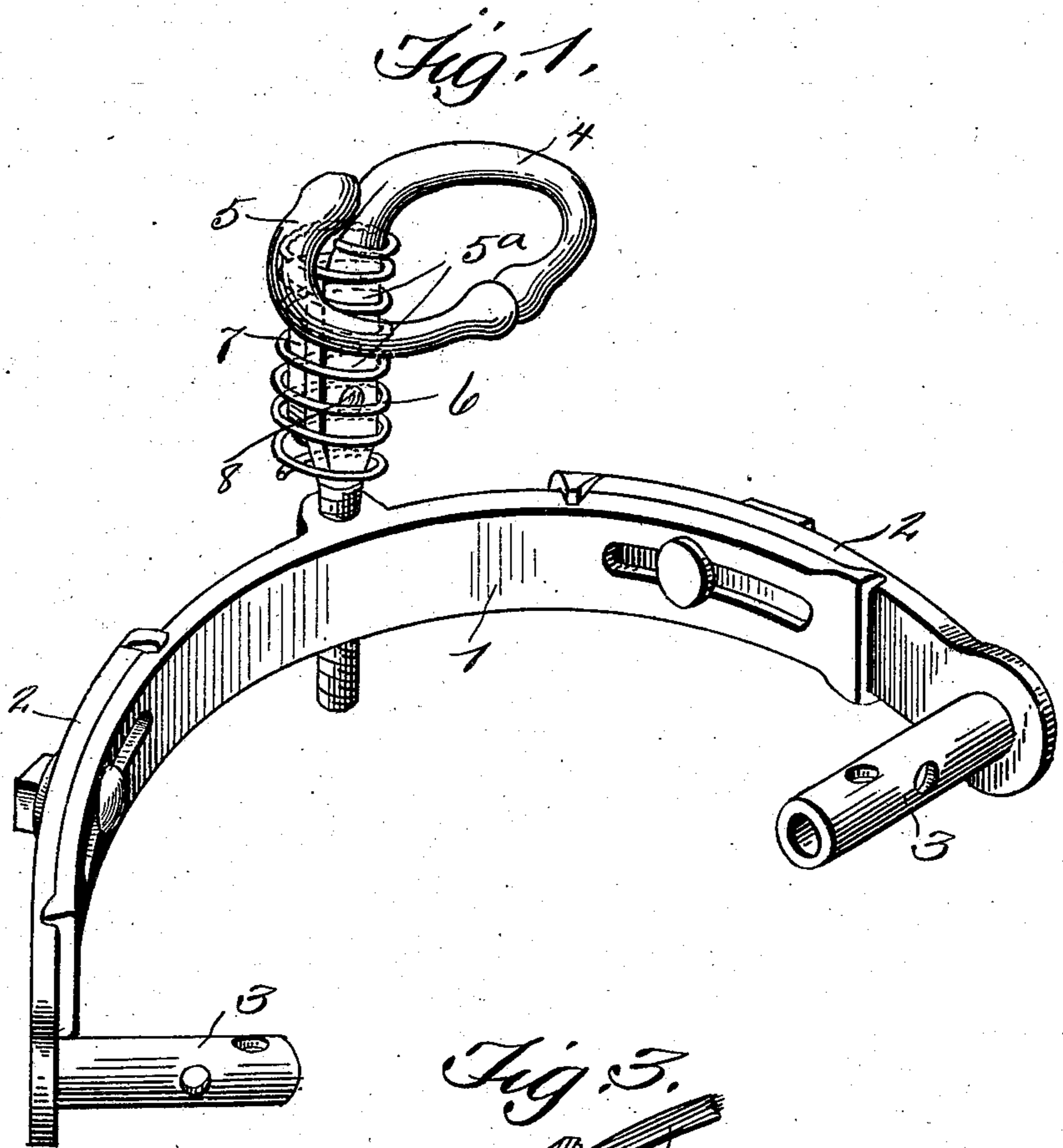
PATENTED MAR. 10, 1908.

C. E. HOPPENRATH.

CALF WEANER.

APPLICATION FILED AUG. 29, 1907.

2 SHEETS—SHEET 1.



Witnesses

H. G. Brown
R. G. Whitcomb

C. E. Hoppenrath Inventor

D. Swift & C. By

Attorneys

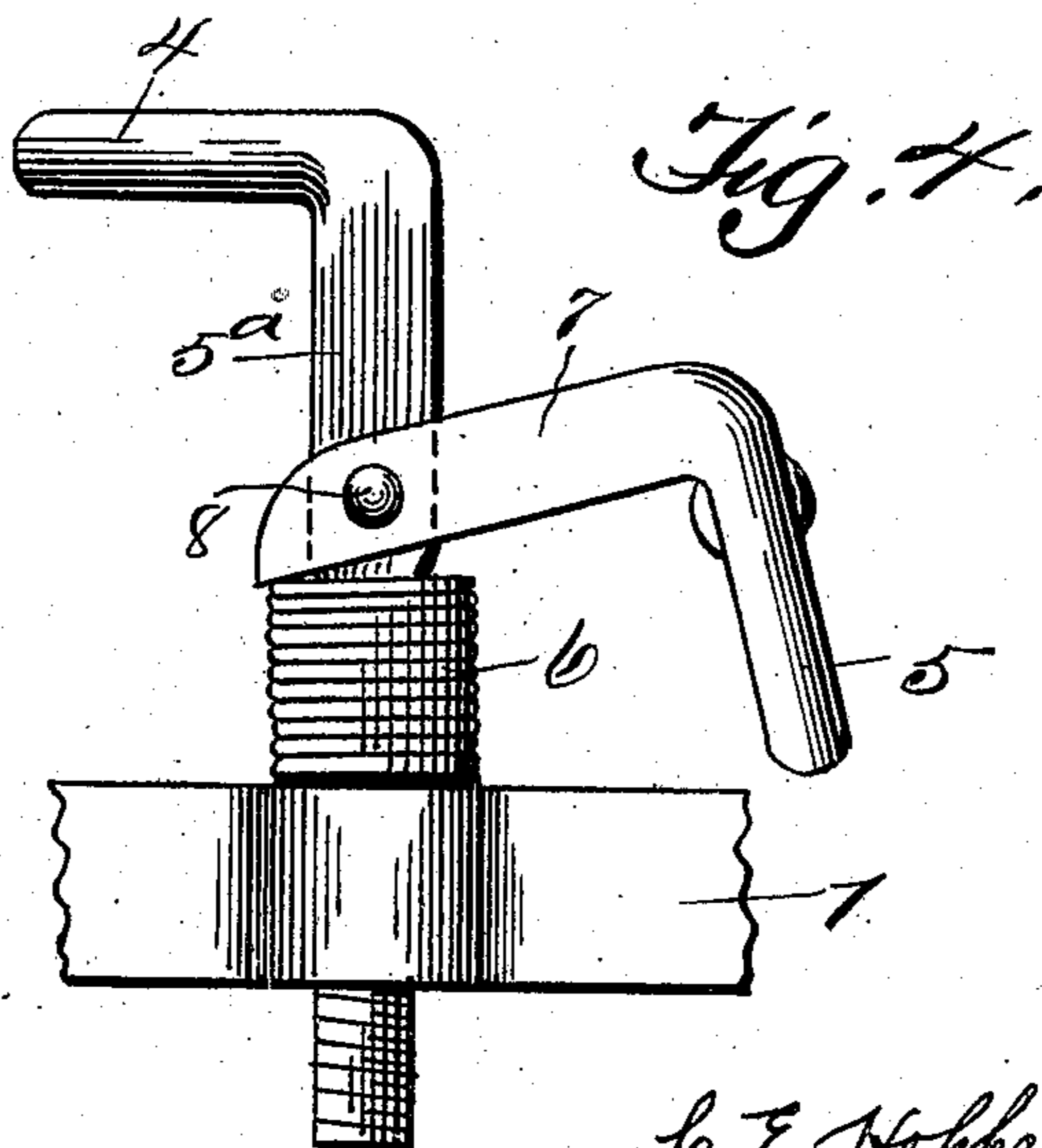
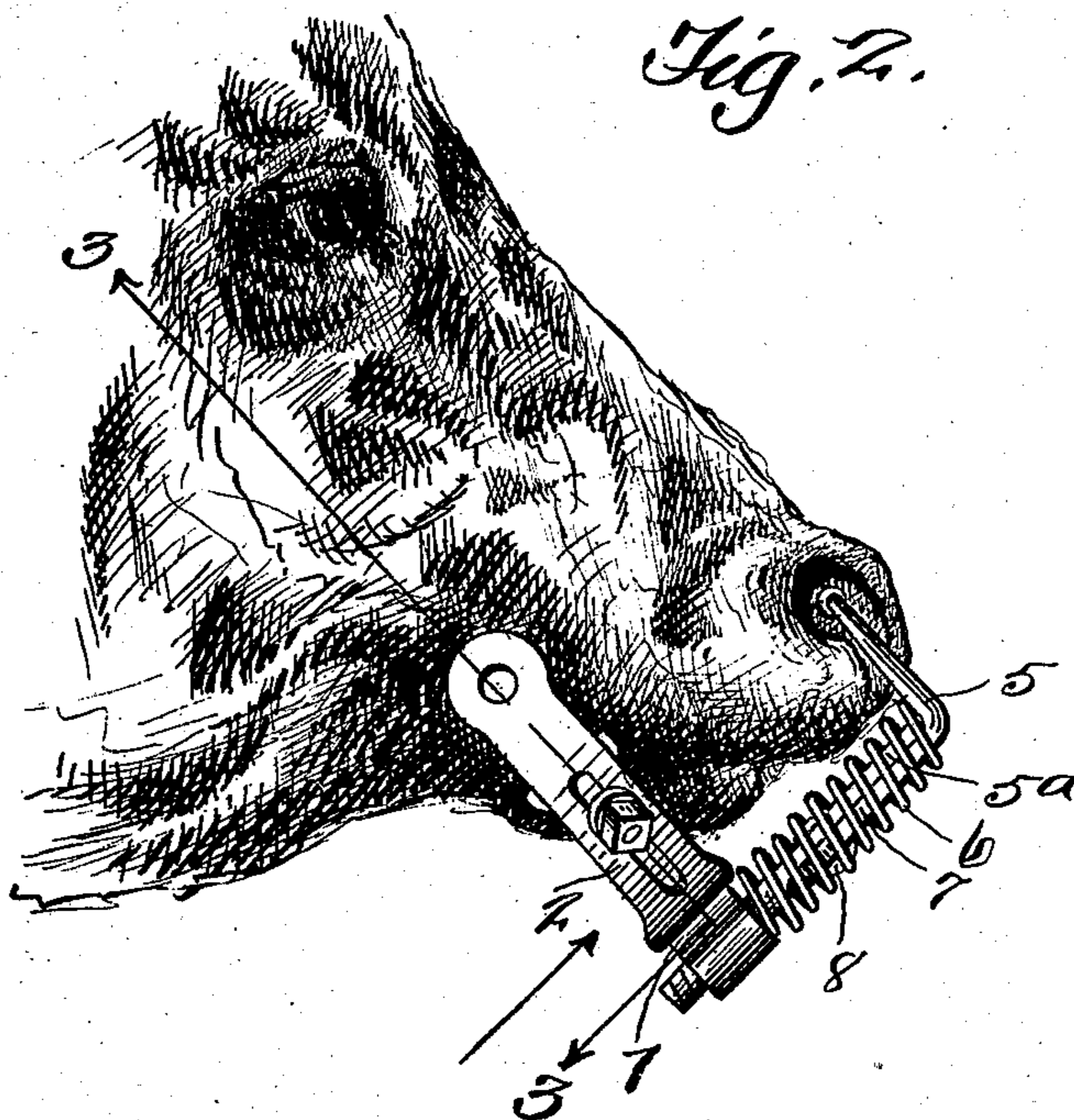
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UNITED STATES PATENT OFFICE.

CHARLES E. HOPPENRATH, OF ELWOOD, INDIANA.

CALF-WEANER.

No. 881,405.

Specification of Letters Patent.

Patented March 10, 1908.

Application filed August 29, 1907. Serial No. 390,654.

To all whom it may concern:

Be it known that I, CHARLES E. HOPPENRATH, a citizen of the United States, residing at Elwood, in the county of Madison and State of Indiana, have invented a new and useful Calf-Weaner; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to calf weaners, and has for its object to provide a simple, efficient and durable device of this character which will effectively prevent a calf from sucking its mother's milk.

In the drawing Figure 1 is a perspective view of the calf-weaner constructed in accordance with this invention. Fig. 2 is also a perspective view of the device, shown attached to the head of the calf. Fig. 3 is a sectional view through the stub bits and its adjustable connection with the frame. Fig. 4 is a side elevation, showing the segmental ring, and the spring 6.

Referring to the drawings, 1 designates the central portion of the frame of this device which is provided on either side with adjustable portions 2, which are provided with stub-bits 3. The stub-bits 3 which are inserted in the mouth of the calf are hollow and also perforated which destroys the suction power of the calf, thus causing him to draw in air, instead of milk when he attempts to suck.

The device is provided with a nose device or segmental ring, which is composed of sections 4 and 5.

The section 4 of the segmental ring is provided with a stem 5^a on which is mounted a coiled spring 6, which spring by engaging the stem and the shank 7 of the segment 5 causes said segments to cooperate with each

other, and thus hold themselves in engagement with the nose of an animal, as shown in Fig. 1 of the drawings. The two sections are pivoted together, as at 8.

When it is desired to apply this device to a calf or other animal, the stub-bits are placed in the mouth of the calf, the spring 6 pressed downwardly which permits the pivoted section 5 of the spring to swing downwardly, by which the two sections thereof can be inserted in the nose of the calf, and the spring being then released the segments are made fast to the nose of the calf.

As shown in Fig. 4, the shank 7, of one of the segments, can be disposed horizontally, when the spring is compressed, and thus lock the two segments apart while the ring is being inserted in the nose of the animal.

What is claimed is;

1. A device of the class described, comprising a frame having adjustable portions, hollow stub-bits mounted on said portions and means cooperating with said bits for holding said device in engagement with the head of the calf.

2. A calf weaner, comprising a frame, and having bits adapted to be inserted in the mouth of a calf, a segmental ring adapted to engage the nose of said calf, said ring having a downwardly extending stem connected with said frame, said stem being provided with a coiled spring for holding said segments together, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES E. HOPPENRATH.

Witnesses:

G. A. MYERS,
H. F. WILKIE.