

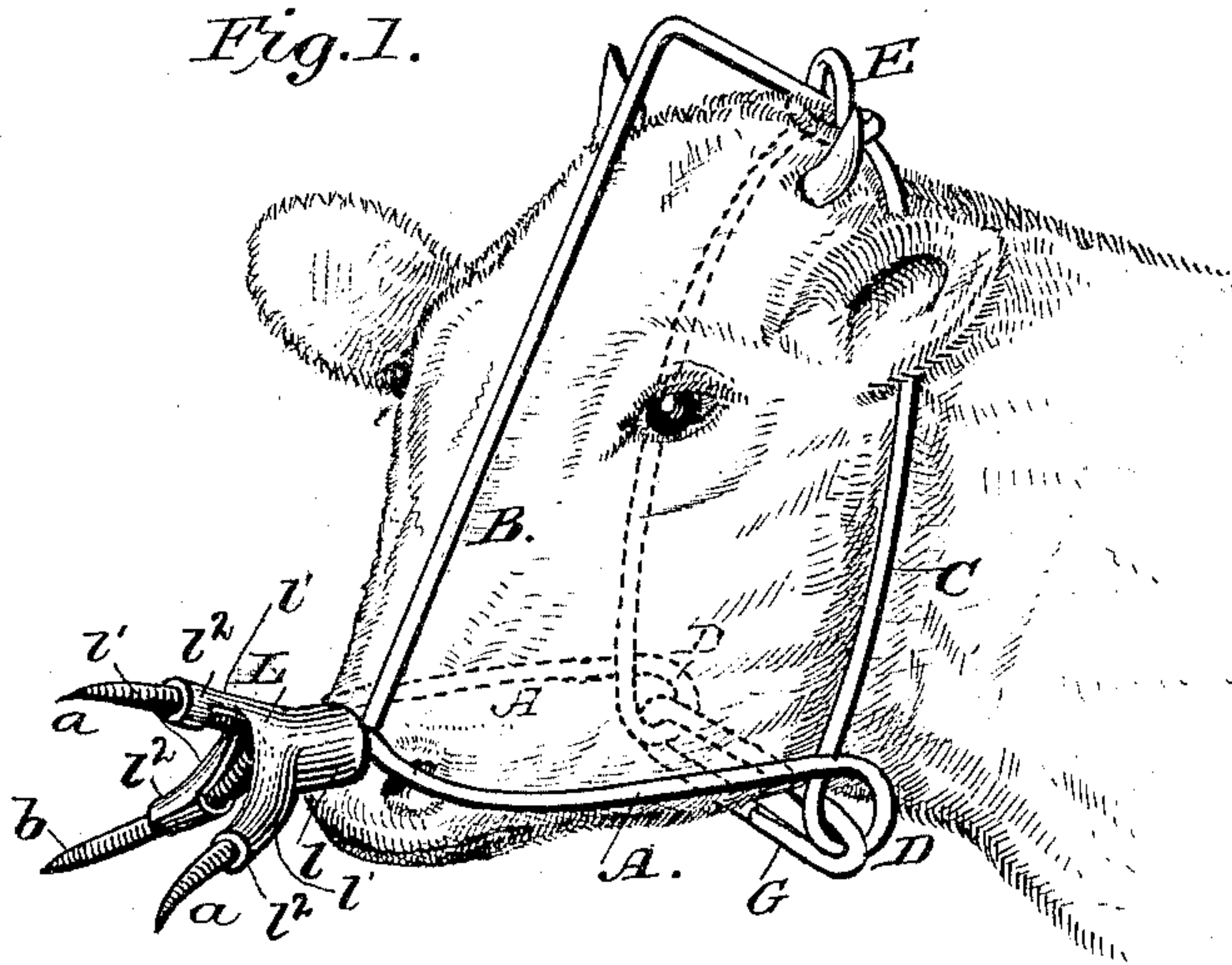
(No Model.)

E. H. GEISLER.  
CALF WEANER.

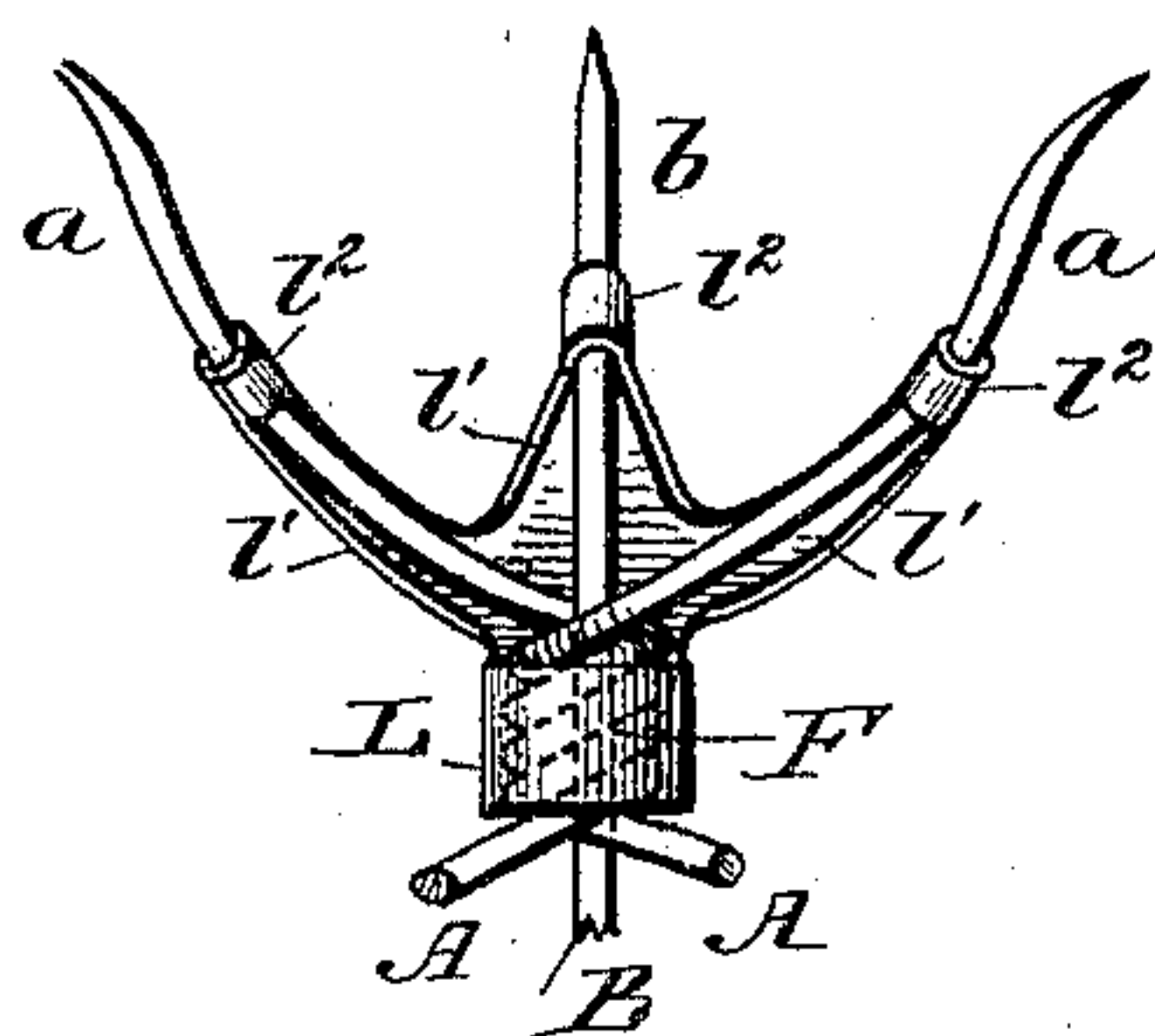
No. 436,655.

Patented Sept. 16, 1890.

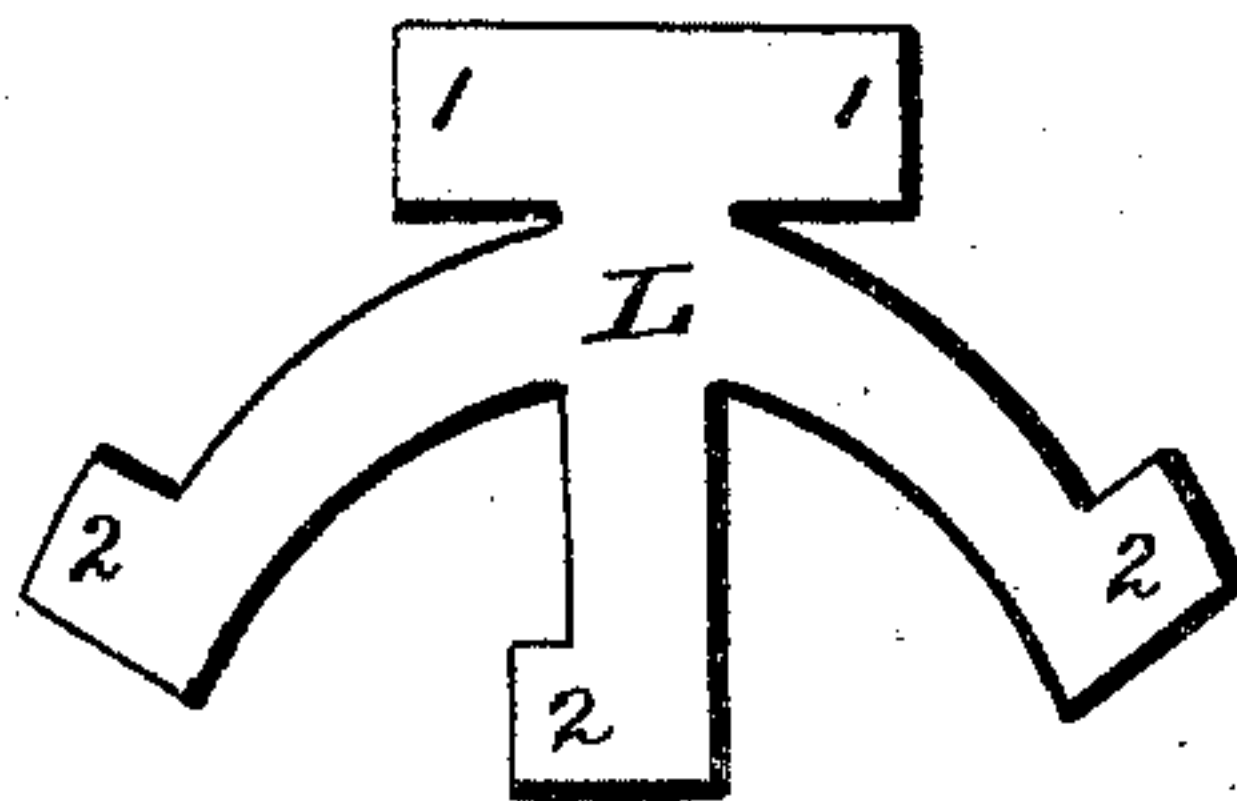
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES:  
*Fred G. Dieterich*  
*Joe A. Ryan*

INVENTOR:  
*Ernst H. Geisler*  
BY *Munn & Co*  
ATTORNEYS

# UNITED STATES PATENT OFFICE.

ERNST H. GEISLER, OF DESHLER, NEBRASKA.

## CALF-WEANER.

SPECIFICATION forming part of Letters Patent No. 436,655, dated September 16, 1890.

Application filed February 3, 1890. Serial No. 338,962. (No model.)

*To all whom it may concern:*

Be it known that I, ERNST H. GEISLER, residing at Deshler, in the county of Thayer and State of Nebraska, have invented certain new and useful Improvements in Calf-Weaners, of which the following is a specification.

My invention relates more particularly to a calf-weaner for which a patent was granted May 14, 1889, No. 403,186, to Moses Simpson and myself; and it has for its object to provide sundry improvements on the device shown in such patent, whereby the same is made stronger and more durable for its desired purpose.

My invention consists in the improvements hereinafter specifically referred to in the annexed specification and particularly pointed out in the claim, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved weaner adjusted on a calf. Fig. 2 is a detail view of the front end thereof; and Fig. 3 is a detail view of the blank which forms the re-enforce or prong-holding plate.

The body portion of the weaner is substantially the construction shown in the patent referred to, and consists of the side rods or wires A, the crown-wire B, and the connecting-wires C C, such wires being formed of a continuation of the side wires A A, loops D D being formed at the juncture of the wires C C A A, through which passes the fastening-link G, as shown.

The manner of fastening the crown-wire B and the arched wires C is shown at E. The ends of the wires A A B are twisted together at F and then extended to form the prongs *a a b* in a manner precisely similar to that shown in the patent referred to. Connecting the wires in the manner just described to form the prongs does not form an entirely satisfactory means for holding said parts together. The prongs soon lose their rigidity, and the points of connection become loose

soon after the device has been worn for any length of time by the animal. To overcome said objections I provide a re-enforcing plate L, which consists of a ferrule-like portion *l*, which is looped around the twisted portion of the wires A A and B, and the arms or extensions *l' l'*, which extend forward over the tops of the prongs about half-way their length, their ends being formed with loops *l<sup>2</sup> l<sup>2</sup>*, which are bent under said prongs, as most clearly shown in Fig. 2 of the drawings.

For convenient means of manufacture and speedy adjustment I form the plate L, by stamping or otherwise out of a single piece of metal, with the ears 1 1, which form the ferrule *l*, and the ears 2 2 2, which form the loops *l<sup>2</sup> l<sup>2</sup>*, said blank being shown in detail in Fig. 3 of the drawings. The same can be quickly bent around wires A A B and about the prongs by means of any convenient tool.

From the foregoing description, taken in connection with the drawings, it will be seen that the re-enforcing plate will effectually hold the prongs from spreading or becoming loosened.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A weaner, substantially as described, comprising a number of wire rods bent to form a halter-like frame and united at a point near their forward ends, said wires extended from the point of said connection to form prongs, in combination with the re-enforcing plate L, said plate formed with a ferrule-like portion encircling the said point of connection of the wires, and extensions *l'*, fitting over the prongs, provided with loops *l<sup>2</sup> l<sup>2</sup>*, encircling said prongs, substantially as shown and described.

ERNST H. GEISLER.

Witnesses:

H. J. STRUVE,  
WM. STRUVE.