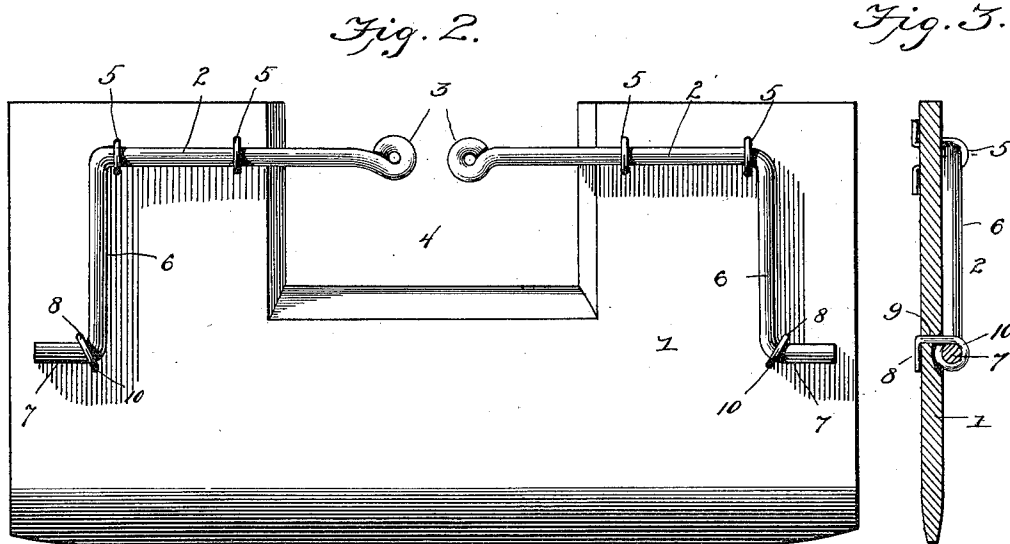
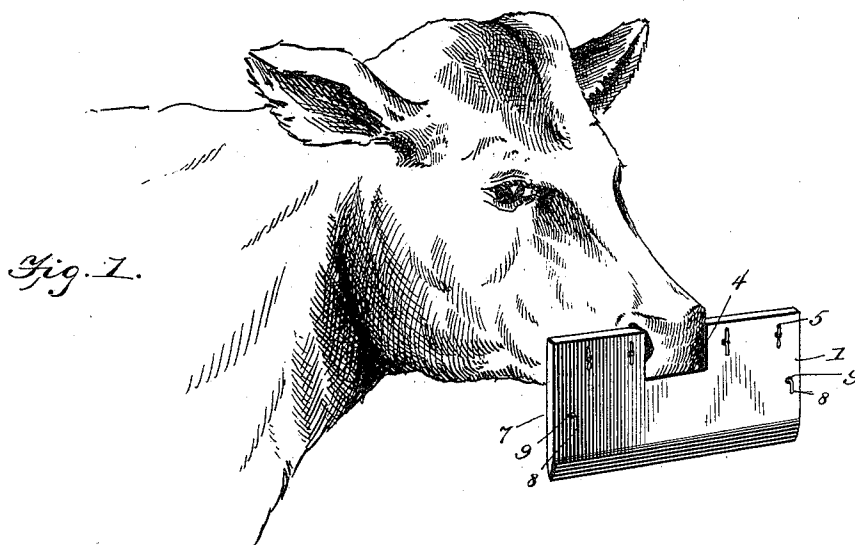


(No Model.)

J. B. McCARTHY & J. A. GRIFFIN.
CALF WEANER.

No. 566,335.

Patented Aug. 25, 1896.



Witnesses

E. H. Monroe

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By their Attorneys,

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UNITED STATES PATENT OFFICE.

JOHN B. MCCARTHY AND JOHN A. GRIFFIN, OF ECKLEY, COLORADO.

CALF-WEANER.

SPECIFICATION forming part of Letters Patent No. 566,335, dated August 25, 1896.

Application filed June 16, 1896. Serial No. 695,761. (No model.)

To all whom it may concern:

Be it known that we, JOHN B. MCCARTHY and JOHN A. GRIFFIN, citizens of the United States, residing at Eckley, in the county of Yuma and State of Colorado, have invented a new and useful Calf-Weaner, of which the following is a specification.

Our invention relates to calf-weaners, and has for its object to provide a simple, inexpensive, and efficient device adapted to be applied and removed with facility, the same being so constructed as to prevent its accidental displacement due to the efforts of the animal.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a view of a calf-weaner constructed in accordance with our invention, the same being shown applied. Fig. 2 is a plan view of the same. Fig. 3 is a sectional view to show the means for securing the crank-arms in operative position.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a plate or board upon which are mounted nose-engaging bolts 2, the inner enlarged and rounded extremities 3 of the bolts projecting over a cut-away portion or recess 4, formed in the upper edge of the plate or board, said recess being designed to receive the nose of the animal, while the extremities of the bolts enter the nostrils and bear against opposite sides of the cartilage. These bolts are mounted to slide longitudinally upon the plate or board in suitable guides, such as keepers 5, and terminate at their outer ends in crank-arms 6, having outwardly-turned extremities 7, said arms forming convenient grips adapted to be grasped by the operator to remove the bolts from engagement with the nose of the animal.

Any suitable means may be employed for securing the crank-arms in contact with the plate or board when the bolts are pushed inwardly to bring their inner extremities in contact with the cartilage of the animal's nose; but the preferred means, and that which we have illustrated in the drawings, consists of

a pliable locking-pin 8, secured at one end to the crank-arm of each bolt and extended through a perforation 9 in the plate, the rear extremity of said pin, after extension through the opening, being deflected to prevent accidental withdrawal. The pins are preferably made of copper wire and their attachment to the crank-arms may be secured by means of eyes 10 at their front extremities, as shown in the drawings.

When it is desired to attach the weaner to the nose of an animal, the recess or opening in the plate is arranged to receive the nose, and the bolts are extended inwardly to engage the cartilage, after which the crank-arms are swung outwardly toward the plane of the plate and the pins simultaneously fitted in their respective perforations, the rear extremities of the pins being finally deflected to prevent displacement. In the same way, when it is desired to remove the device it is simply necessary to straighten the deflected portions of the pins and withdraw the latter from the openings in the plate by swinging the crank-arms from the plane of the plate.

A broken pin may be readily replaced at a small cost, and as this is the only portion of the device which is exposed to any wear liable to necessitate replacement it will be understood that the cost of maintenance is reduced to the minimum.

Furthermore, the means for attaching the device to the animal are of such construction as to provide for its application without injury to the stock, and, furthermore, it may be accomplished without "throwing" the animal.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having described our invention, what we claim is—

A calf-weaner having a plate or board cut away to form a recess to receive the nose of the animal, nose-engaging bolts mounted to slide in alinement upon the plate or board with their inner extremities projecting over said recess to engage the nostrils and terminating at their outer ends in crank-arms, and means for securing the crank-arms in contact

with the plate when the bolts are extended
inwardly, said means including pliable lock-
ing-pins attached to the crank-arms, engag-
ing perforations in the plate and deflected at
5 their rear extremities to prevent accidental
displacement, substantially as specified.

In testimony that we claim the foregoing as

our own we have hereto affixed our signatures
in the presence of two witnesses.

JOHN B. MCCARTHY.

JOHN A. GRIFFIN.

Witnesses:

M. O. HARMON,

C. G. BURKART.