

929,376.

Patented July 27, 1909

Fig. 1.

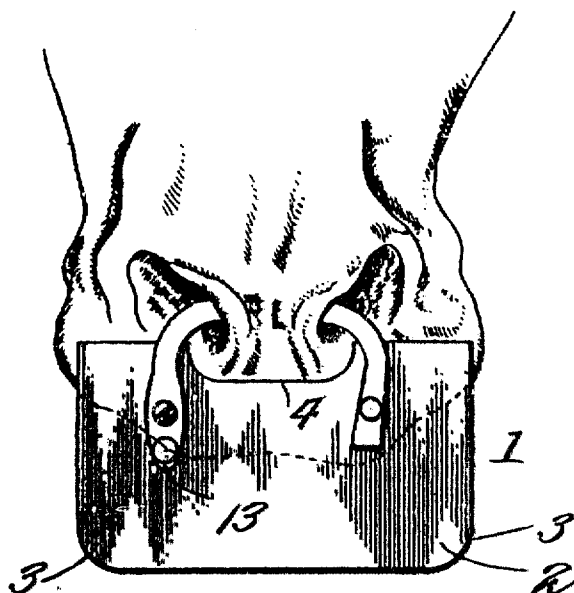


Fig. 2.

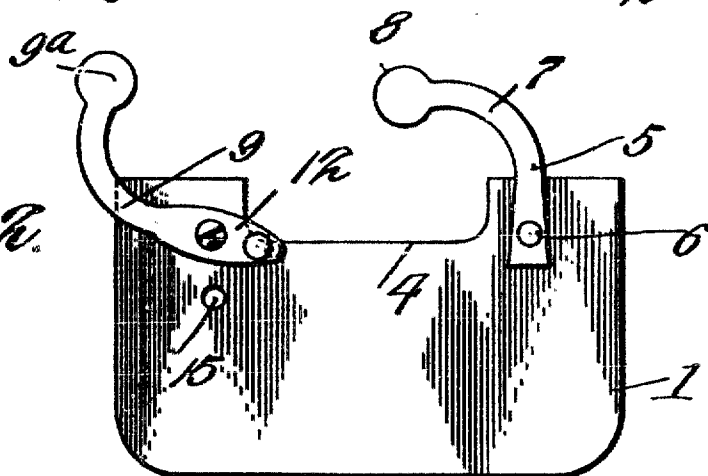
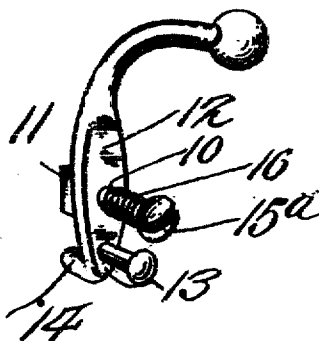


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRY BECK, OF GRANT, NEBRASKA.

CALF-WEANER.

No. 929,376.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed August 25, 1908. Serial No. 450,212.

To all whom it may concern:

Be it known that I, HARRY BECK, a citizen of the United States, residing at Grant, in the county of Perkins and State of Nebraska, have invented new and useful Improvements in Calf-Weaners, of which the following is a specification.

This invention relates to the class of care of live stock, and more particularly to calf weaners, and has for an object to provide a device of the character which will be extremely simple in construction, and which will be provided with simple means for engaging the nose of a calf without piercing or injuring the septum.

Other objects and advantages will be apparent as the nature of the invention is better disclosed, and it will be understood that changes within the scope of the claims may be made without departing from the spirit of the invention.

In the drawing, forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views,—Figure 1 is a front view of the weaner showing its application to the nose of a calf, Fig. 2 is a similar view showing the device detached, parts being in a position to apply the article to the calf's nose. Fig. 3 is a detail view of the swinging arm.

Referring now more particularly to the drawing, there is shown a calf weaner 1 comprising a metallic plate 2 having rounded corners 3 at the lower edge thereof, and at the upper end adjacent to the upper edge of the plate there is formed therein a recess 4. The plate 2 is preferably of rectangular form, but it will be understood that it may be of any preferred form as may be found most desirable. The plate is provided adjacent to one end of the recess 4 with an arm 5 which is permanently secured to the plate by means of a rivet or the like. The arm 5 is extended upwardly, and curved toward the center of the plate as indicated at 7 and carries or has formed integral therewith at the outer end thereof a spherical head 8. Adjacent to the other end of the recess 4 formed in said plate is shown an arm 9 similar in construction to the previously described arm and is retained to the plate by means of a bolt 10 provided with a nut 11 for clamping

engagement against one side of said plate. The portion of the arm 9 with which the bolt is engaged is somewhat elliptical, as shown at 12, and at the lower reduced end of the portion 13 is an inwardly directed stud 14 normally engaged in a passage 15 formed in said plate 2. The bolt 10 has a head 15^a formed at its outer end, and carried by the bolt and confined between the portion 12 and the head 15^a, is shown a helical spring 16 for holding the stud 14 normally engaged in the passage 15.

In operation, when it is desired to apply the weaner to the nose of the calf the arm 9 is swung into the position, as shown in Fig. 2 of the drawing, this being done by lifting the portion 12 of said arm and moving the same toward the head 15^a and against the tension of the spring 16 to disengage the stud 14 from the passage 15, and in this movement of the arm 9 it will be seen that a relatively large space is provided between the head 8 of the arm 7 and the head 9^a of the arm 9, whereupon, the head 8 may be first engaged against one side of the septum, and the arm 9 moved to engage the head 9^a against the other side of the septum, and by means of the spring 16 it is obvious that when the stud 14 reaches the passage 15 the former will spring into the latter to prevent rotary movement of the arm 9 and to hold the same in a permanent position.

The device is extremely simple in construction, may be manufactured and put upon the market at a relatively low figure and may be used and engaged with the nose of the calf without injury thereto. The portion 13 of the arm 9 is provided with a finger piece 14^a adapted to be grasped when it is desired to move said arm against the tension of the spring 16 to effectively permit withdrawal of the stud 14 from the passage 15.

I claim:—

1. A calf weaner comprising a plate having a fixed nose-engaging element, a pivoted nose-engaging element located adjacent to the first named element, the plate having a passage formed therein, means carried by the pivoted element adapted to engage in the passage, and spring means engaged with the pivoted element for holding the just named means yieldingly engaged in said passage.

2. A calf weaner comprising a plate having a fixed nose-engaging element, a bolt located adjacent to the said element and removably engaged with the plate, a pivoted nose-engaging element mounted upon the bolt, a stud carried by said pivoted element, said plate having a passage formed therein to receive the said stud, and spring means carried by the bolt and engaging the pivoted arm for

holding the stud yieldingly engaged in said 10 passage.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY BECK.

Witnesses:

CHRISTIANA E. BECK,
MAUDE BECK.