

No. 868,125.

PATENTED OCT. 15, 1907.

H. J. O. & J. T. REED.
ANTIKICKING DEVICE FOR COWS.

APPLICATION FILED AUG. 29, 1906.

Fig. 1.

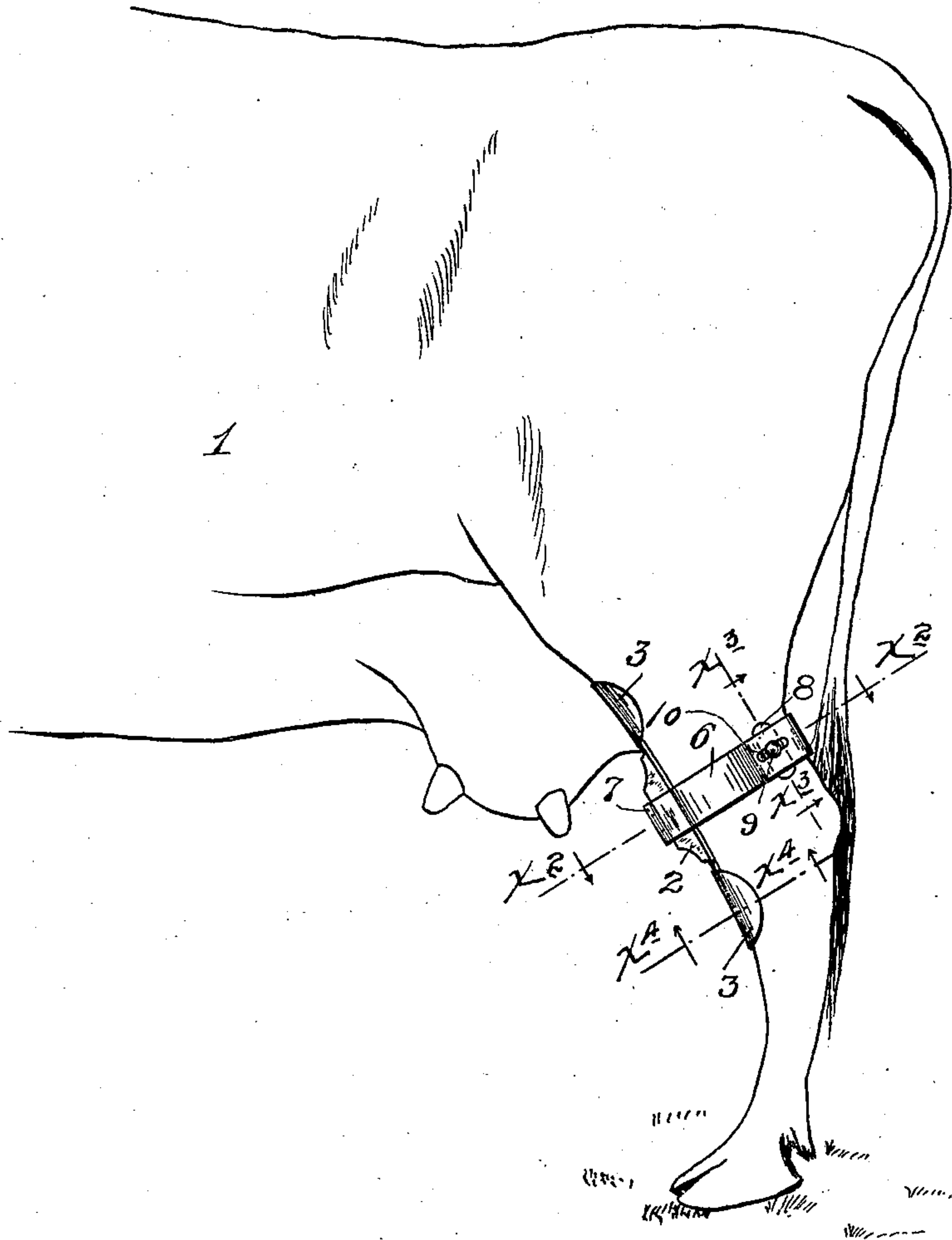


Fig. 4.

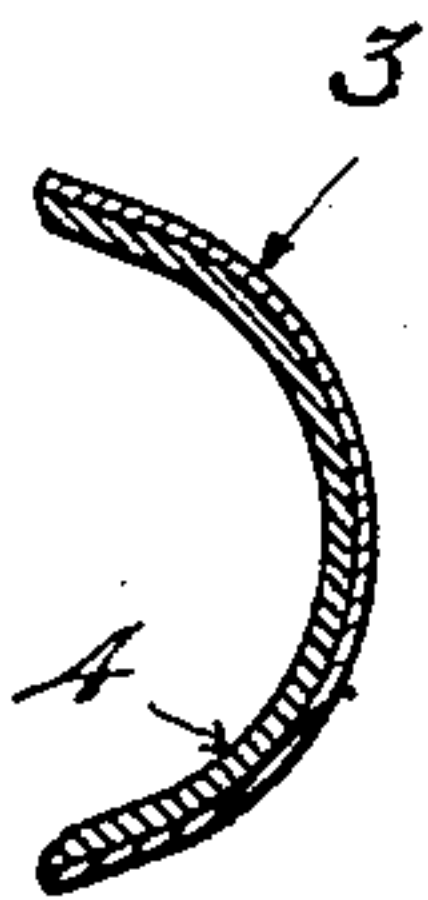


Fig. 2.

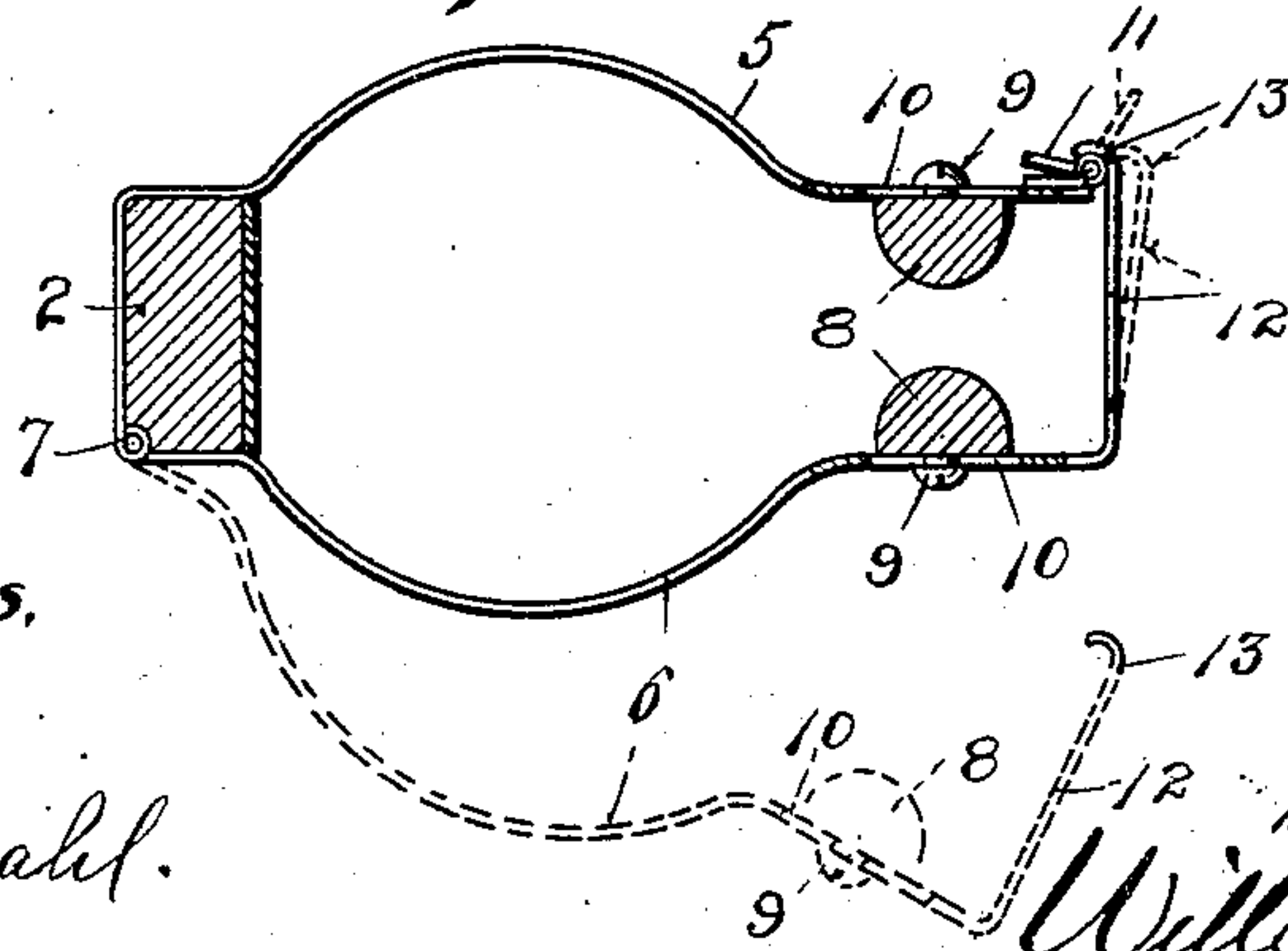
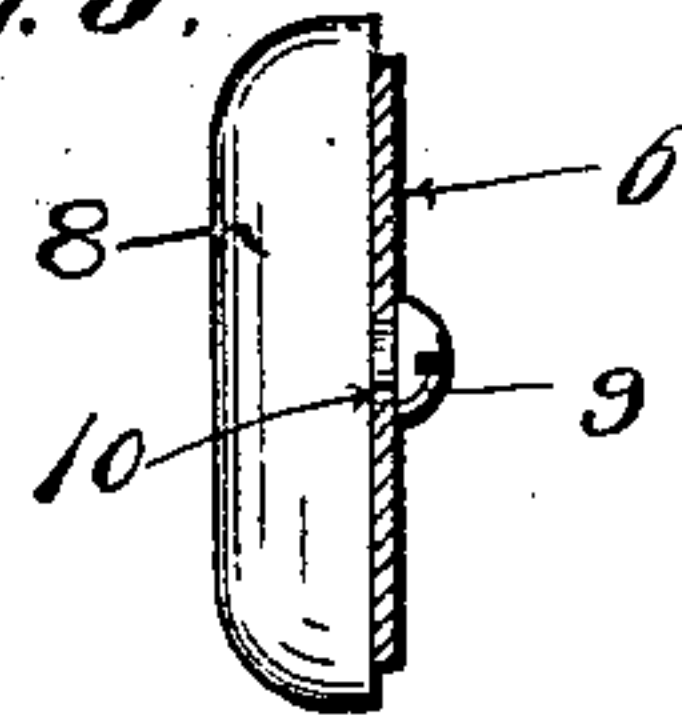


Fig. 3.



Witnesses,

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ANTI-KICKING DEVICE FOR COWS.

No. 868,125.

Specification of Letters Patent.

Patented Oct. 15, 1907.

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To all whom it may concern:

Be it known that we, HENRY J. O. REED and JAMES T. REED, citizens of the United States, residing, respectively, at Minneapolis and Auburn, in the counties of Hennepin and King and States of Minnesota and Washington, have invented certain new and useful Improvements in Antikicking Devices for Cows; and we 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.

Our invention has for its object to provide an improved anti-kicker for cows, and to this end it consists of the novel devices and combinations of devices hereinafter described and defined in the claims.

It is a well known fact that a cow, in kicking, brings the lower portion of the leg forward with a hinge-like movement of the hock joint.

Our improved anti-kicking device is designed for application to the rear leg of a cow with a part thereof clamping the large tendon of the leg just above the hock joint, and with the body of the said device clamping the front portion of the leg both above and below the hock joint. With the device applied in this manner, it is impossible for the cow to bend the leg forward or to kick, and, furthermore, any attempt to thus bend the leg or to kick will cause the device to press against the nerves of the leg above the hock joint. This pressure on the nerves of the leg will produce considerable pain, depending on the force of the attempted kick, and, hence, a cow having attempted a few times to kick with the device applied to the leg, will usually thereafter be afraid to kick for fear of a repetition of the pain, and when this occurs the cow is, of course, broken of the kicking habit.

The improved device is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a view in side elevation, and shows the rear portion of a cow and illustrates the application of our improved anti-kicking device to one of the rear legs thereof. Fig. 2 is an approximately horizontal section taken through the device on the line $x^2 x^2$ of Fig. 1, some parts being left in full. Fig. 3 is a detail in section taken on the line $x^3 x^3$ of Fig. 1; and Fig. 4 is a detail in section taken on the line $x^4 x^4$ of Fig. 1.

The numeral 1 indicates the body of the cow. The numeral 2 indicates the leg bar, so-called, which at its upper and lower extremities is provided with saddle plates 3 that are adapted to engage the front portion of the cow's leg, one above and the other below the hock joint. The inner face of the bar 2 and the inner faces

of the saddle sections 3 are preferably lined with leather, felt or other suitable material 4 to prevent chafing of the cow's leg. A pair of spring clamping arms 5 and 6 are pivotally connected together at 7, and the said arm 5 is secured to the intermediate portion of the bar 2. Said clamping arms 5 and 6 are provided near their free ends with pressure pads 8 of wood or other suitable hard material. The said pads 8 are adjustably secured to the arms 5 and 6, and to this end are, as shown, provided with screws 9 that work in slots 10 of the said arms. The intermediate portion of said arms 5 and 6 are bowed outward so as to clear the thick portion of the cow's leg. The numeral 11 indicates a small hinge, one leaf of which is rigidly secured to the end of the arm 5, and the other leaf of which is loose. The arm 6, at its free end, is provided with a transversely extended portion 12, the end of which is bent to form a hook 13 that is adapted to be engaged with the barrel or hub portion of the hinge 11 to hold the two arms 5 and 6 clamped around the cow's leg, with the hard pads 8 engaged with the cow's leg above the hock joint and in the channels formed between the large tendon and the muscular body portion of the leg. By an outward pivotal movement of the loose leaf of the hinge 11, the hook portion 13 of the clamping arm 6 may be easily disengaged from the hub of said hinge.

By proper adjustments of the pad 8, they may be so set that they will engage with or in the vicinity of the nerve portion of the leg, so that when the cow attempts to kick, the said pads will be thrown with force against the said nerve portions of the leg with the results above stated.

The device described may be very quickly applied to a cow's leg and may be very easily removed therefrom, and when it is applied, it will cause the cow no discomfort whatever unless an attempt is made to kick with the leg to which it is applied.

What we claim is:

1. An anti-kicking device for cows comprising a leg bar engageable with the front of the leg, above and below the hock joint, and having a pair of clamping arms adapted to surround the leg, and provided at their free ends with pads for clamping the hollow rear portion of the leg above the hock joint, substantially as described.

2. An anti-kicking device for cows comprising a leg bar having saddle portions engageable with the front portion of the cow's leg, both above and below the hock joint, a pair of arms pivotally connected to the intermediate portion of said bar and provided with means for detachably connecting their free ends, and hard pads applied to said arms near their free ends and adapted to engage the hollow rear portion of the cow's leg above the hock joint, substantially as described.

3. In an anti-kicking device for cows, the combination with a leg bar, of a pair of clamping arms applied to the intermediate portion of said bar, and provided at their free

ends with means for detachably connecting them, and a pair of opposing hard pads adjustably connected to said arms near their free ends, substantially as described.

4. The combination with a leg bar 2 having, at its ends, saddle portions 3, of spring arms 5 and 6 pivotally connected to the intermediate portion of said bar 2, a hinge 11 having one leaf secured to the free end of said arm 5, the said arm 6 having an extension 12 terminating in the hook portion 13 that is engageable with the hub of said hinge, and pads

8 adjustably secured to said arms 5 and 6 near their free ends, substantially as described. 10

In testimony whereof we affix our signatures in presence of two witnesses.

HENRY J. O. REED.
JAMES T. REED.

Witnesses:

A. J. PORTER,
A. C. LACEY.