No. 657,379. Patented Sept. 4, 1900.

E. C. BAKKEN.

STOCK FOR HOLDING CATTLE WHILE DEHORNING.

(Application filed May 16, 1900.)

(No Model.)

Fig. 1

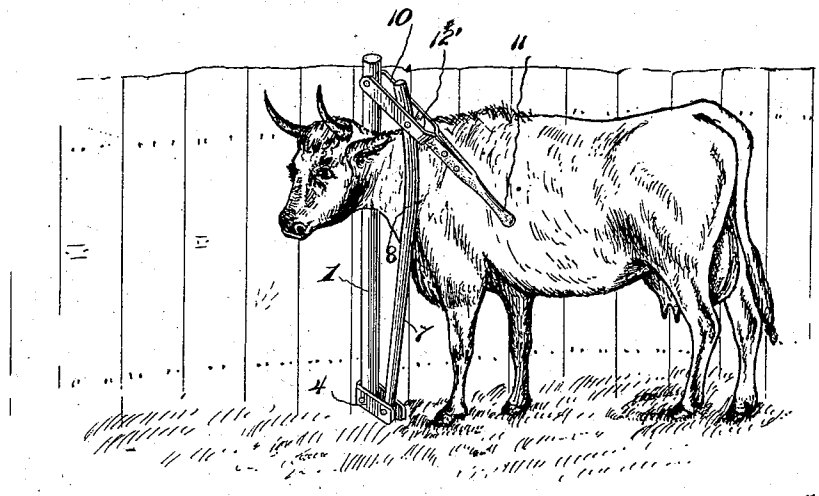


Fig. 2

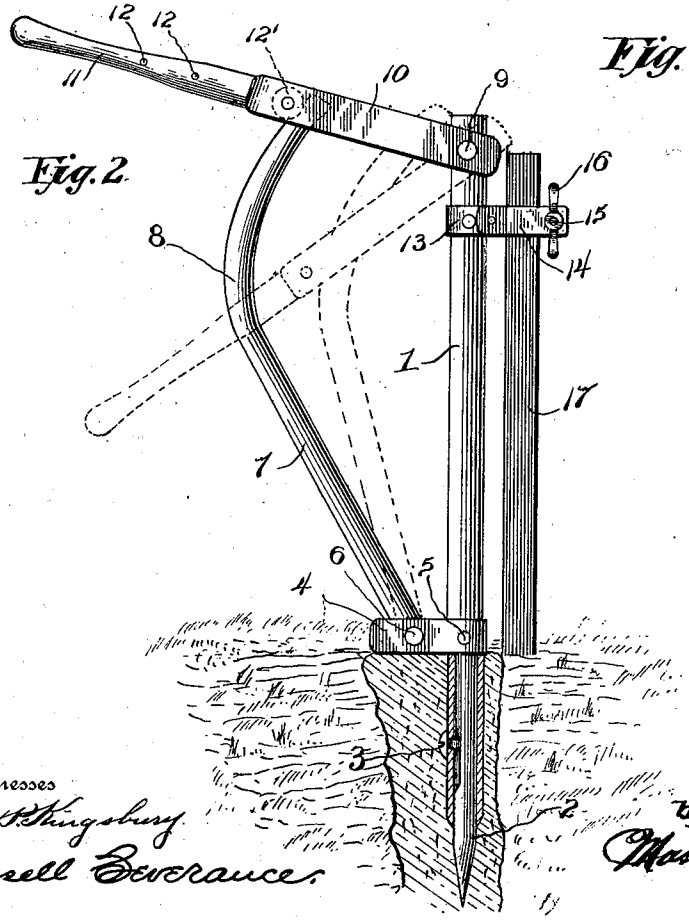
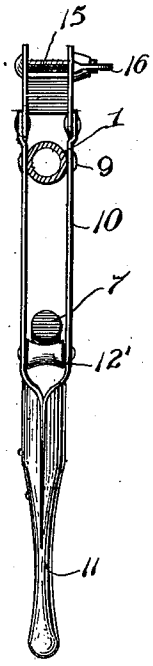


Fig. 3.



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UNITED STATES PATENT OFFICE.

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STOCK FOR HOLDING CATTLE WHILE DEHORNING.

SPECIFICATION forming part of Letters Patent No. 657,379, dated September 4, 1900.

Application filed May 16, 1900. Serial No. 16,864. (No model.)

To all whom it may concern:

Be it known that I, EDWARD C. BAKKEN, a citizen of the United States, residing at Renville, in the county of Renville and State of Minnesota, have invented certain new and useful Improvements in Stocks for Holding Cattle while Dehorning; 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.

My invention relates to improvements in cattle-stocks, and more particularly to that class of stocks in which the instrument is adapted to press closely about the animal's neck and prevent any movement of the head during the operation of dehorning.

It consists of a vertical standard carrying a slotted arm at its top and a laterally-moving arm pivotally connected to said standard and adapted to slide in the slot of said upper arm, whereby when the cow's head is thrust between the vertical standard and the laterally-moving arm and the slotted arm is moved downwardly the animal's neck will be tightly held.

It also consists of certain other novel constructions, combinations, and arrangements of parts, as will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a cattle-stock embodying the features of my invention and showing the same in operation. Fig. 2 is a view in side elevation of my improved stock, showing the laterally-moving arm open to receive the head and the slotted arm raised, a portion of the same being broken away to show the spool-roller against which the pivoted arm rides, the lowered position of the slotted arm and the closed position of the laterally-moving arm being shown in dotted lines; and Fig. 3 is a top plan view of the device.

The object of my invention is to provide means for quickly and easily securing cattle in such position that they cannot possibly move their heads while their horns are being removed, said means being so simple as to be operable by a single person.

Referring to the drawings by numerals, 1 is a hollow vertical standard provided with an adjustable point 2, adapted to enter the lower end of the hollow standard and be secured in any adjusted position by the set-screw 3. A piece of flat material 4 is bent in U shape and secured rigidly by means of the rivet 5 to the standard 1 above the set-screw 3. Pivotally secured by means of the bolt or rivet 6 between the free ends of the U-shaped piece 4 is a laterally-moving arm 7, said arm being curved inwardly at the top, as at 8. Pivoted by the bolt or rivet 9 at the top of the vertical standard 1 is a slotted arm 10, provided with a handle 11, into which is inserted and rigidly secured by rivets 12 12 the meeting sides of the arm, which open immediately after leaving the handle and straddle the standard 1, leaving a slot in which the arm 7 moves. Between the sides of the pivoted arm 10 and near the handle thereof is journaled a spool-roller 12′, adapted to form bearing for the curved end of arm 7, so that when arm 10 is brought downward arm 7 will be forced toward standard 1. Just below the pivoted arm 10 is rigidly secured to the standard 1 a U-shaped piece 13, to the free ends of which is pivoted a clamp 14, said clamp comprising two plates, each pivotally secured to its respective end of piece 14 and adapted to be brought together or be allowed to separate at their outer ends by means of bolt 15 and thumb-nut 16.

In operation the point 2 is forced into the ground far enough to support the parts in operative position, and the clamp 14 is placed about and tightened upon an auxiliary support, as 17, which will firmly hold the entire mechanism and prevent the same from becoming loose, owing to the struggles of the animal operated upon during the dehorning process. After the device has been given a fixed position the arms 7 and 10, being in the position shown in full lines in Fig. 2, the animal's head is thrust between arm 7 and standard 1, and arm 10 is then brought down, the curve 8 of the arm 7 bearing against roller 12′, causing the arm 7 to move toward standard 1, and thus clamping the neck of the animal, holding it until the arm 10 is released and preventing any movement of the head.

It will be observed that my invention makes the operation of dehorning cattle very easy, the construction being very simple and com-

paratively cheap, so as to be operable by any one without any great knowledge of the art and at the same time being of such small cost of manufacture as to be within the reach of every one. It will also be seen that if the point 2 should become dull or worn by frequent use it is only necessary to loosen set-screw 3 and remove the worn point and replace it with a new one.

Although I have described specifically the various parts of my invention, yet I do not wish to be understood as limiting myself to the exact construction and arrangement, but reserve the right to make such changes in the size, form, and details of construction as are clearly comprehended in the spirit and scope of the invention.

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

1. Cattle-stocks, comprising a hollow standard, a pointed extension adapted to be adjusted in said hollow standard, means for securing said standard to an auxiliary support, a laterally-moving arm pivoted to said standard, and means for forcing said arm toward said standard, substantially as described.

2. Cattle-stocks comprising a rigid support, a vertical standard adjacent thereto, a bracket for securing the standard to the support, an adjustable point on the lower end of the standard to enter the earth, a laterally-movable arm pivoted at its lower end to the standard, and a slotted arm pivoted to the standard and embracing the laterally-movable arm, substantially as described.

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

EDWARD C. BAKKEN.

Witnesses:

RUTH HANSON,

D. BENSON.