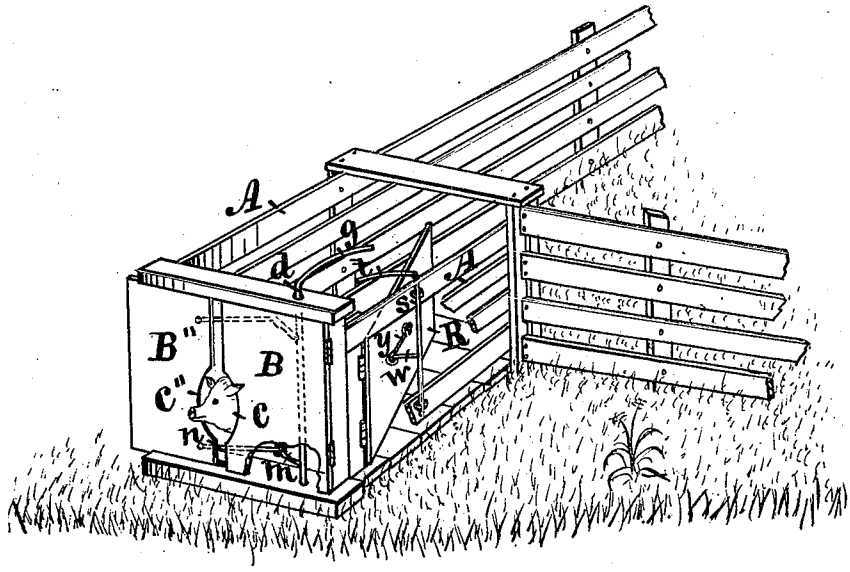
I. E. WINCHELL.

HOG CATCHING AND HOLDING DEVICE.

No. 193,307. Patented July 17, 1877.



Witnesses:
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UNITED STATES PATENT OFFICE.

IRA E. WINCHELL, OF PRAIRIE CITY, IOWA, ASSIGNOR OF ONE-HALF HIS RIGHT TO MARSHALL FEATHERS, OF SAME PLACE.

IMPROVEMENT IN HOG CATCHING AND HOLDING APPARATUS.

Specification forming part of Letters Patent No. **193,307**, dated July 17, 1877; application filed May 25, 1877.

To all whom it may concern:

Be it known that I, IRA E. WINCHELL, of Prairie City, in the county of Jasper and State of Iowa, have invented a Hog Catching and Holding Apparatus, of which the following is a specification:

The object of my invention is to provide a simple mechanical means for taking hogs successively from an inclosure and holding them securely without touching them, while rings are placed in their noses.

It consists in forming, arranging, and combining a sliding door having a nose-hole, and a fixed abutting door or wall having a mating nose-hole, with a passage-way having a swinging door, in such a manner that the movable doors can be readily operated to catch and hold a hog by simply working two hand levers, all as hereinafter fully set forth.

My drawing is a perspective view, illustrating the construction and operation of my complete invention.

A A represent the sides of a trap and passage-way, formed similar to a fence, and connected at its rear end with a stock-yard, field, stable, or inclosure, in any suitable way, so that hogs can be readily driven into the open end thereof. B represents a hinged and locked door, or a fixed end, designed to close the main portion of the front end of the trap. It has an elongated semicircular hole, *c*, in its edge. B″ is a door, sliding in grooves at its top and bottom ends.

The groove or bearings required are formed in or attached to the end frame of the trap in any suitable way.

c″ is a hole in the edge of the sliding door, designed to match the hole in the fixed end or locked door B in such a manner that when the sliding door is moved to abut against the fixed door a nose-hole only will be open in the front end of the complete trap. *d* is a vertical shaft, pivoted inside of the door B. It has its bearing formed in or attached to the end frame of the trap, inside of the door B, in any suitable way. *g* is a lever-handle, rigidly attached to the top of the shaft *d*. *m* is a crank-arm, rigidly attached to the lower portion of the shaft *d*. *n* is a rod, linked to the end of the arm *m*, and to the inside of the sliding door B″.

A corresponding connection, *m n*, is formed between the shaft and door, near the top of the door.

R is a door hinged to a corner-post, inside of the fixed door B, in such manner that it can be readily swung to and fro to alternately open and close the passage-way and confine a hog in the front end of the complete trap. *s* is a vertical shaft, mounted in bearings attached to the side A. *t* is a lever-handle, fixed to the top end of the shaft *s*. *w* is a crank-arm, fixed to the lower portion of the shaft *s*. *y* is a rod, linked to the arm *w* and the door R.

In the practical operation of my invention it requires the attention of two persons, one to operate the hand-levers *g* and *t* to catch and hold an animal, and another to apply the ring to the animal's nose when caught and held.

By turning the lever *t* the door R is readily opened by means of the shaft *s* and its arm *w*, and the connecting-rod *y*, to allow an animal to pass into the front and closed end of the trap, and then again closed by the same means, so that it will stand diagonally across the passage-way, in which position it can be retained by the operator until the hog is fastened.

The confined animal will put its nose through the opening *c c″*, and the operator can, by means of the lever *g* on the top end of the shaft *d* and the connections *m n*, readily move the sliding door and allow the animal to pass its head through the nose-hole, and then, by a reverse motion of the lever *g*, abut the sliding door against the neck of the animal and clamp it between the sliding door B″ and the fixed door B, and hold it there until the second person fixes a ring in the cartilage of the hog's nose.

Animals of various kinds may be thus successively caught and held advantageously for various purposes, and without laying hands on them.

My apparatus may be made complete, with a fixed bottom, in a portable form, or it may

be permanently fixed by setting posts in the ground, and in such a manner that a bottom will not be required.

I claim as my invention—

The trap A A, having the fixed door or end section B *c*, the sliding door B″ *c*″, and its operating mechanism *d g m n*, and the door R and its operating mechanism *s t w y*, arranged and combined to operate substantially as and for the purposes shown and described.

IRA E. WINCHELL.

Witnesses:
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