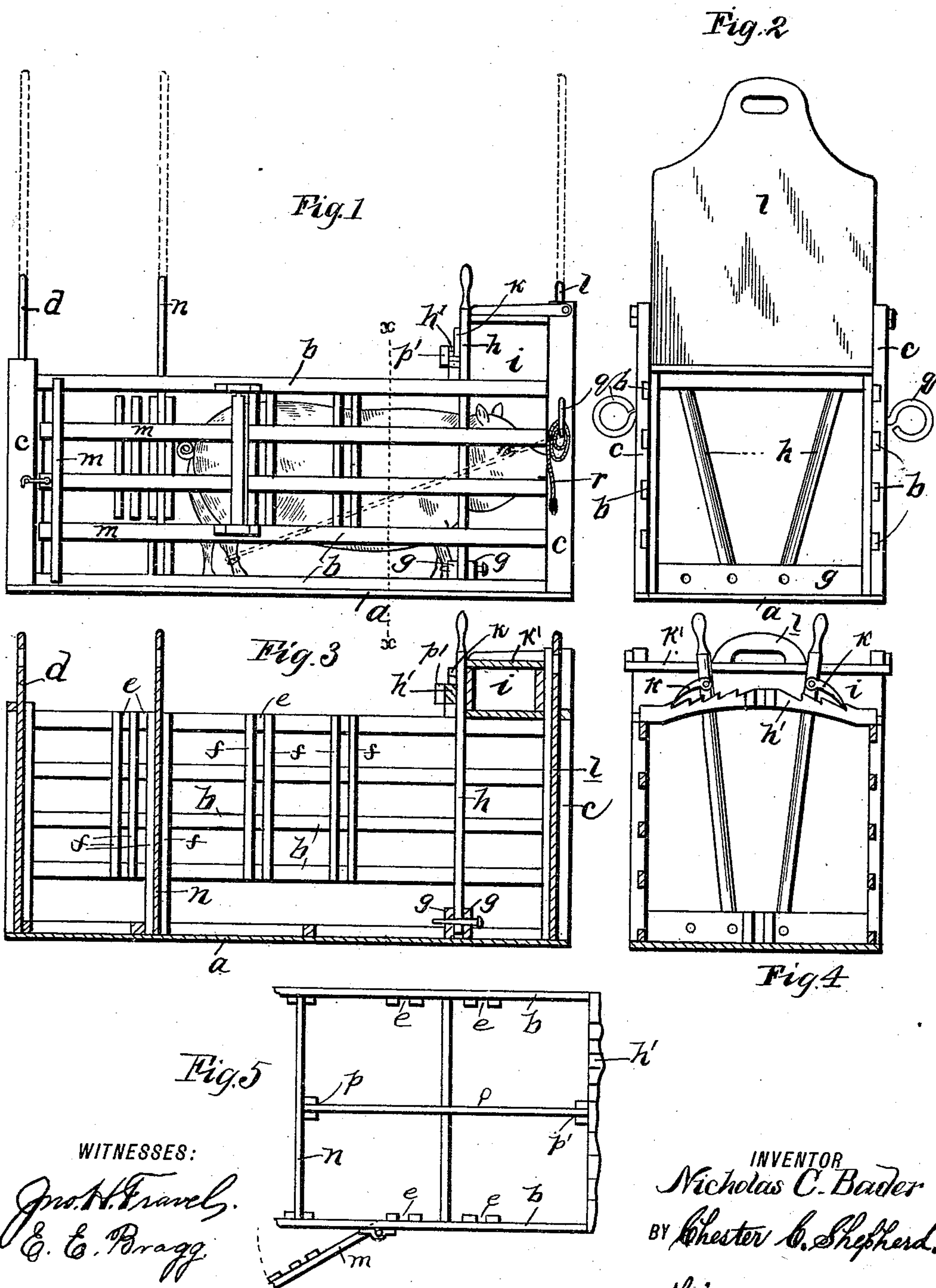


(No Model.)

N. C. BADER.
HOG TRAP.

No. 446,215.

Patented Feb. 10, 1891.



WITNESSES:

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HOG-TRAP.

SPECIFICATION forming part of Letters Patent No. 446,215, dated February 10, 1891.

Application filed April 18, 1890. Serial No. 348,474. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS C. BADER, a citizen of the United States, residing at Marits, in the county of Morrow and State of Ohio, have invented a certain new and useful Improvement in Hog-Traps, of which the following is a specification.

My invention relates to the improvement of hog-traps of that class wherein a hog may be held in position for ringing or other purposes; and the objects of my invention are to provide an improved device of this class by means of which a hog may be entrapped and firmly held in a convenient position for inserting a ring in his nose, to so construct the device as to facilitate the operation of castration, to admit of the device being used to facilitate the loading and unloading of hogs from wagons or cars, to combine with said trap a tool-holding box, and to construct the trap in a simple and inexpensive form. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved trap, showing a hog therein in position for ringing. Fig. 2 is a front end view showing the front door-slide elevated. Fig. 3 is a central vertical longitudinal section. Fig. 4 is a transverse section on line *xx* of Fig. 1, and Fig. 5 is a plan view of a portion of the trap, showing position of the parts when small hogs are to be operated upon.

Similar letters refer to similar parts throughout the several views.

The body of my device consists of an oblong pen or box having a solid floor *a*, slatted sides *b*, and an open top. In the construction of this frame-work four corner-posts *c* are employed, the posts of the forward end being somewhat higher than those of the rear end and extending above the body of the pen. Formed in the inner sides of the rear posts are vertical grooves or guideways, within which is inserted and adapted to be made to slide vertically a door-slide *d*, which has its upper end projecting above the frame-work. Guideways *e*, corresponding with said post-guideways, are also formed on the inner sides of the pen by securing thereto parallel cleats or bars *f*. These guideways *e* may be of any number and at such intervals as may be desired.

Secured to the upper side of the bottom *a* and extending transversely between the slatted sides of the pen a short distance in rear of the forward end thereof are two parallel cleats or strips *g*, between which are pivoted the lower ends of two upwardly-extending clamp levers or arms *h*. The pivoted ends of these levers are in close proximity to each other and are normally connected with the central portions of the cleats *g*. Connecting the top sides of the upper slats is a ratchet-bar *h'*, which is slightly bowed and has its teeth, which are on its upper side, inclined from each end thereof toward its center. This ratchet-bar is in vertical alignment with the rear floor-cleat *g*, and its teeth form stops for the outer ends of pawls *k*, one of which is pivotally connected with the front face of each of the levers *h* above said ratchet-bar. Supported upon and connecting the two upper side slats, immediately in front of the levers *h*, is a transverse tool-box *i*, which is provided with a suitable hinged top lid *k'*. As shown in the drawings, one of the long sides of this tool-box abuts against the rear sides of the upwardly-extending portions of the forward frame-posts *c*, and the rear side of the tool-box acts as a brace or support for the upper ends of the levers *h* to prevent their being pushed forward by the hog.

l represents a forward door-slide, which corresponds in form with the slide *d* and which is detachably inserted within vertical guideways formed in the inner sides of the two forward frame-posts *c*. One of the sides *b* of the pen is provided in its rear half with a gateway and hinged gate *m*.

n represents an intermediate door-slide, which is adapted, as hereinafter specified, to be inserted within the desired guide *e*. This door-slide *n* is provided on its forward side with a central vertical guideway *p*.

q represents a screw eye or head, which may be made to project from the outer side of one or both of the forward posts *c*. Attached to the eye *q*, which is in that side of the pen in which is contained the gate, is a rope *r*.

The method of using and operating my device is as follows: In order to secure a hog in position for ringing, the rear end of the trap-frame is made to communicate with the pen or other inclosure which contains the hogs to

be operated on. The door-slides, with the exception of the forward slide, are elevated to the positions shown in dotted lines in Fig. 1 of the drawings, and a hog, having entered the trap from the rear, travels forward therein in his attempt to pass out the front end of the trap until his head extends through and his neck is between the two lever-arms *h*, which have been previously thrown open to the position shown in Fig. 2. The intermediate slide *n* is then dropped into two opposite guideways, which are immediately in rear of the hog, and the levers *h* pressed inward to firmly clamp the neck of the hog and prevent his further movement forward. The clamping lever-arms are set in the desired position by causing the pawls *k* to engage with the desired notches of the ratchet-bar. The forward door-slide is then elevated from its guideways, when access to the animal's nose is readily had. The ring having been inserted, the clamping-arms may be released and temporarily removed by removing the pivot-pins thereof, and the hog allowed to escape out the forward end of the trap.

In case it is desired to load or unload hogs on or from a wagon or other vehicle, the trap may be inclined until one of its ends rests within the wagon and the trap with its door-slides drawn used as a passage-way.

For the purposes of castration or other operations the hog may be held in a convenient position by the following means: The animal having been secured in the position shown in Fig. 1 of the drawings, the trap is tipped over on its side, the gate *m* opened, and one of the hind legs of the hog connected with the free end of the rope *r*, as shown in dotted lines, and the rope drawn forward and made taut.

In case small hogs are to be ringed or operated upon, I may divide the space longitudinally between the levers and slide *n* by inserting an extra slide *o*, allowing its ends to enter the guideways *p*, formed on said slide *n*, and similar guideways *p'*, formed on the rear side of the ratchet-bar. In case this is done the pivot-points of the lever-arms may be changed to one side of the center of the cleats *g* by inserting the pivot-pins in other pin-holes of said cleats.

The tool-box *i*, as will be observed, is so located as to be easy of access, and may be used for the reception of tools and material employed.

From the construction and operation shown and described it will be seen that my improved trap is simple of construction and will greatly facilitate the handling of hogs for the purposes named.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a hog-trap, the combination, with a frame provided with guideways on its inner side and having a door in one side near the rear end, of detachable door-slides in the guide ways, clamping lever-arms, and a screw eye or head at the front end on the same side as the door near the rear end and adapted to receive and retain one end of a rope, substantially as described.

NICHOLAS C. BADER.

In presence of—

M. M. IDEN,
WASH HARRIS.