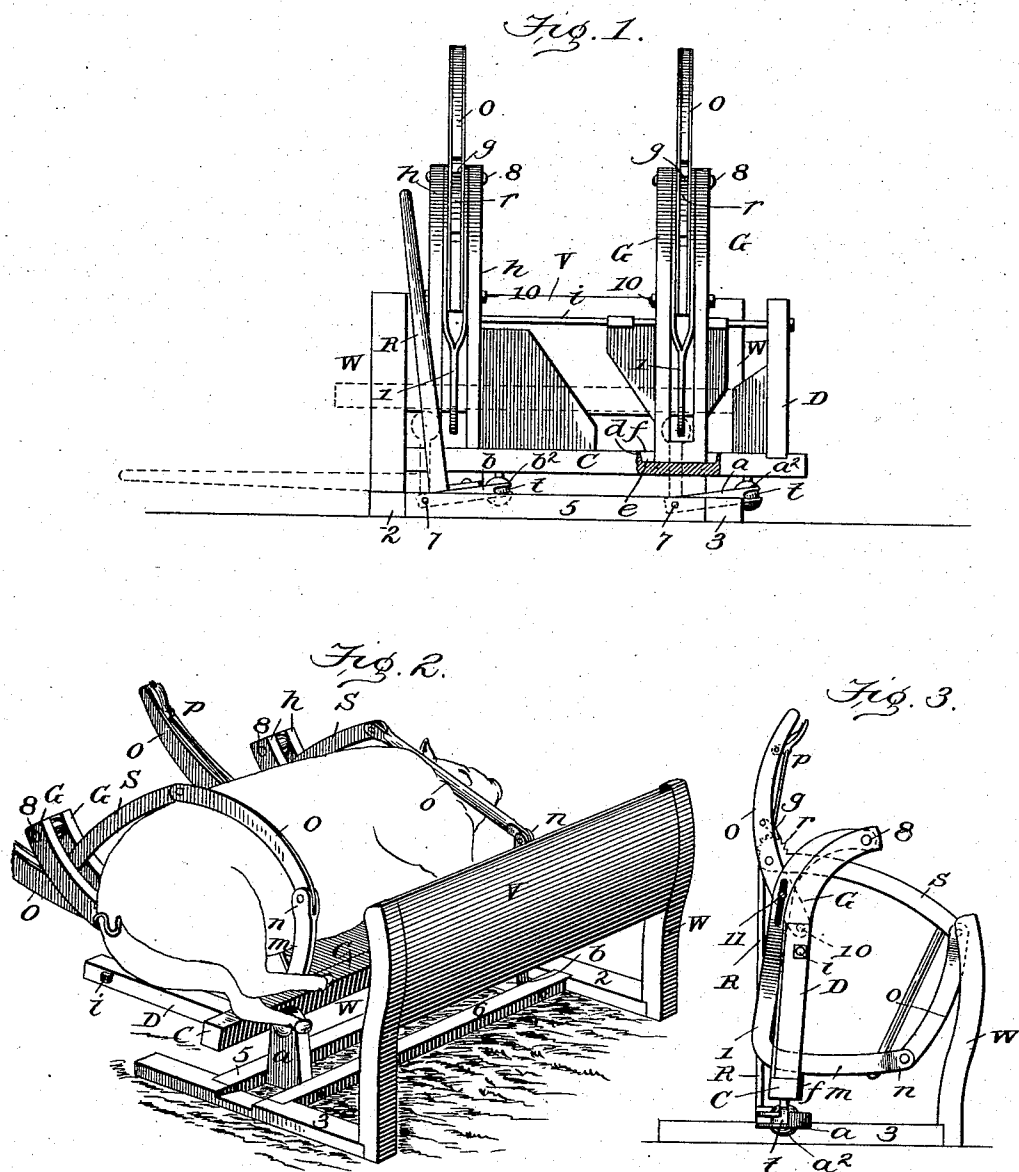


(No Model.)

O. GATES.
HOG CATCHING AND LIFTING MACHINE.

No. 572,792.

Patented Dec. 8, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

OLUS GATES, OF ESTHERVILLE, IOWA.

HOG CATCHING AND LIFTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 572,792, dated December 8, 1896.

Application filed May 2, 1896. Serial No. 590,001. (No model.)

To all whom it may concern:

Be it known that I, OLUS GATES, of Estherville, in the county of Emmet and State of Iowa, have invented an Improved Hog Catching and Lifting Machine, of which the following is a specification.

My invention relates to improvements in hog catching and lifting machines, the object of the same being to provide a device for facilitating the work of spaying, labeling the ears of hogs, &c.

With these objects in view the invention consists of the combination and arrangement which will more fully appear hereinafter.

In the accompanying drawings, which form a part of this application, Figure 1 is a side elevation thereof, showing in dotted lines the manner of raising the combined operating-table and holding device. Fig. 2 is a perspective of the device with the hog in position for operating. Fig. 3 represents an elevation of the device set ready for the capture of the hog.

Like numerals or letters of reference indicate corresponding parts in the several views.

Referring to the drawings, it will be seen that the device has a framework consisting of parallel beams 2 and 3, which are secured together by the longitudinal bars 5 and 6. The said bars 5 and 6 are placed at suitable distances apart and have pivot-pins 7 rigidly attached thereto. Supports *a* and *b* are journaled at their bottom ends to the said pivot-pins. The operating-table and catching and holding device consists of a framework composed of beam *C*, having the upright *D* at one end, and a groove *e*, which is formed by the flange *d* in conjunction with the strip *f*. At the other end of the beam *C* are situated parallel standards *h*, the said standards being slightly curved at their upper ends.

A shaft or rod *i* extends from the standard *D* to the parallel standards *h*, the purpose of which will be shown hereinafter. Parallel bars or standards *G*, similar to standards *h*, are arranged to slide in the groove *e* at the bottom and at the top on the rod *i* about midway of its length. The said parallel rods or standards *D* and *h* serve as means for holding the mechanism used for securing the hogs in position on the operating-table. The said holding mechanism consists of arms 1, which

are pivoted to the shafts 8, the said arms being slightly curved and, converging, form a single bar *m*, which after extending a short distance turns at right angles, the ends thereof being bifurcated, as at *n*. Pivoted to the bifurcated ends *n* are strips *o*, which are pivoted at their upper ends, and curved strips *S*, which are pivoted to the levers *O*, which are journaled on the shafts *i*. Slots are situated in the arms 1, in which play the pins 11, said pins being situated in the levers *O*, the object thereof being to limit the action of the levers *O*. A lever *p*, together with catch or pawl *g* of the ordinary construction, is pivoted near the ends of the levers *O*, the said pawls thereof engaging with the toothed segments *r*, situated on the ends of the curved strips *S*. Extending downward from the beam *C* are balls *t*, which fit into the sockets *a*² and *b*², thus forming a combination hinge which will allow the table to be moved up or down or tilted over for use in operating.

A lever *R* is attached to the support *b*, by means of which the operating-table is raised or lowered at pleasure. To the ends of the frame 2 and 3 are uprights *W*, which support the curved side *V*, which forms part of the chute.

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

1. In a hog catching and lifting machine, the combination of a ground-frame, pivot-pins rigidly attached to cross-bars of said ground-frame, supports, *a* and *b*, journaled to said pivot-pins, sockets situated in the upper ends of said supports, an operating-frame, said operating-frame hinged in said sockets, and the parallel standards, *h* and *G*, containing the holding mechanism, the holding mechanism consisting of curved arms, 1, pivoted within said parallel standards, strips, *o*, pivoted to said arms and strips, *S*, strips *S* pivoted to levers, *O*, and strips, *o*, levers, *O*, substantially as set forth and described.

2. In the above-described device, the combination of a ground-frame, pivot-pins secured in said ground-frame, supports journaled to said pivot-pins, sockets in the upper ends of said supports, an operating-frame,

said operating-frame hinged in said sockets, parallel standards, G and h, containing the holding mechanism, the holding mechanism, said mechanism consisting of curved arms, 1, 5 pivoted within said parallel standards, strips, o, pivoted to said arms and strips, S, said strips S pivoted to levers, O, and strips, o, levers O, the parallel standard, G, said standard sliding in the groove, e, and on the rod, i, a

lever for raising and lowering the operating- 10
table, substantially as set forth and described.

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

OLUS GATES.

Witnesses:

GEO. FULLINWEIDER,
JOHN JOHNCK.