

(No Model.)

N. J. THOMAS.
CHUTE FOR DEHORNING CATTLE.

No. 459,052.

Patented Sept. 8, 1891.

Fig. 1.

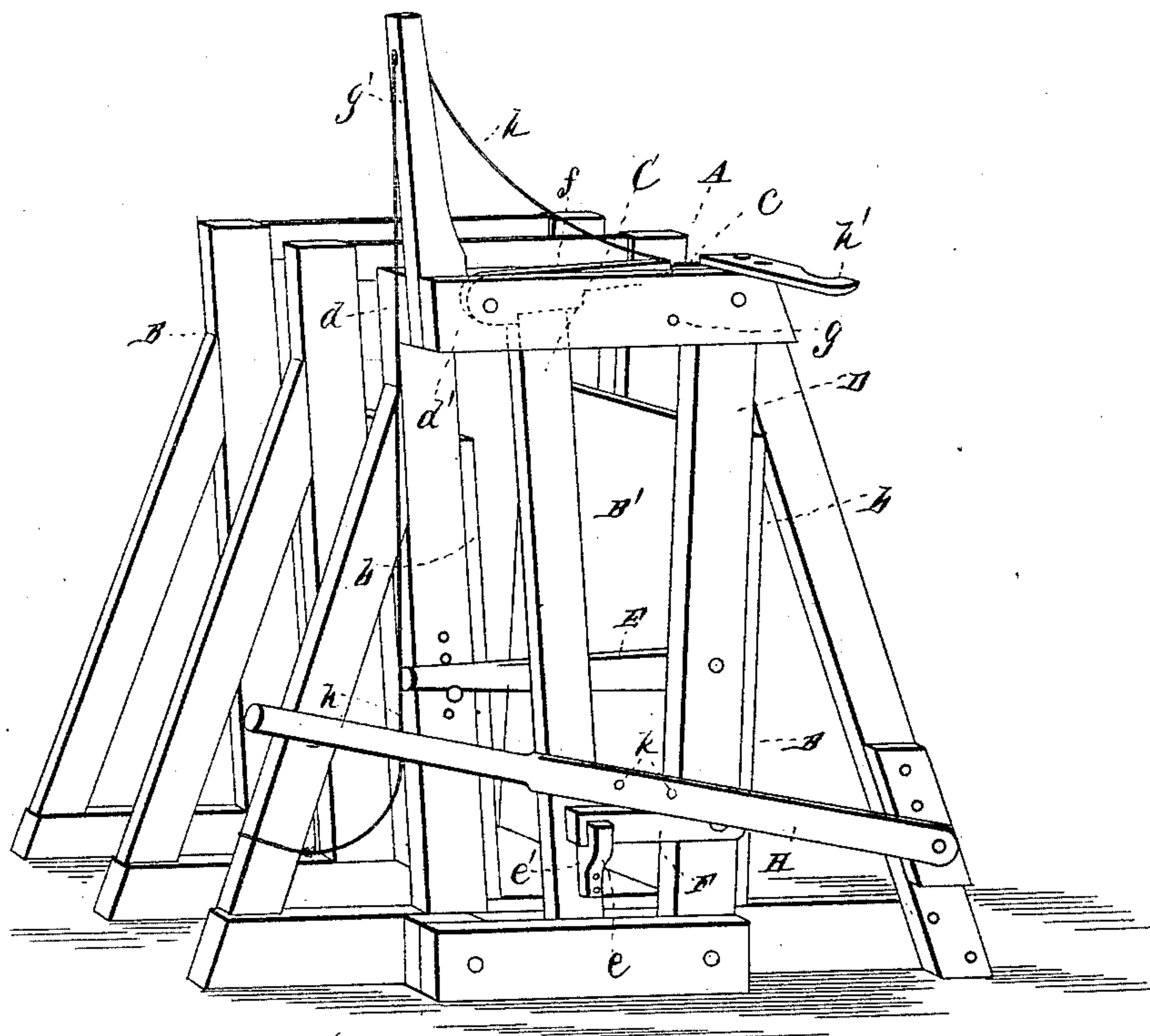


Fig. 2.



Fig. 3.

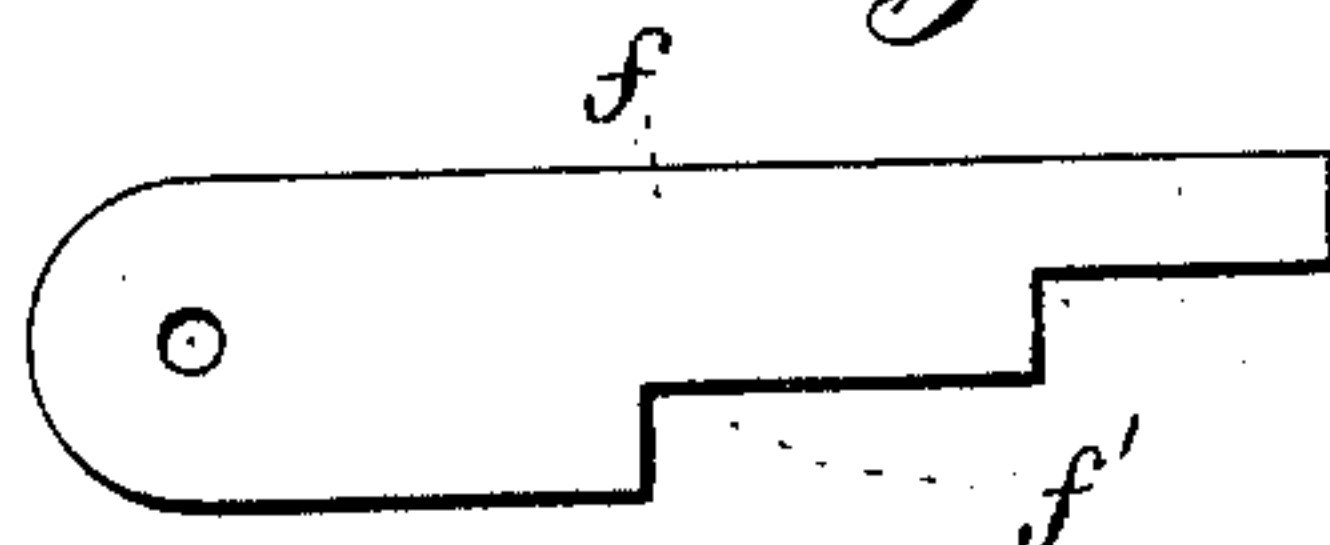
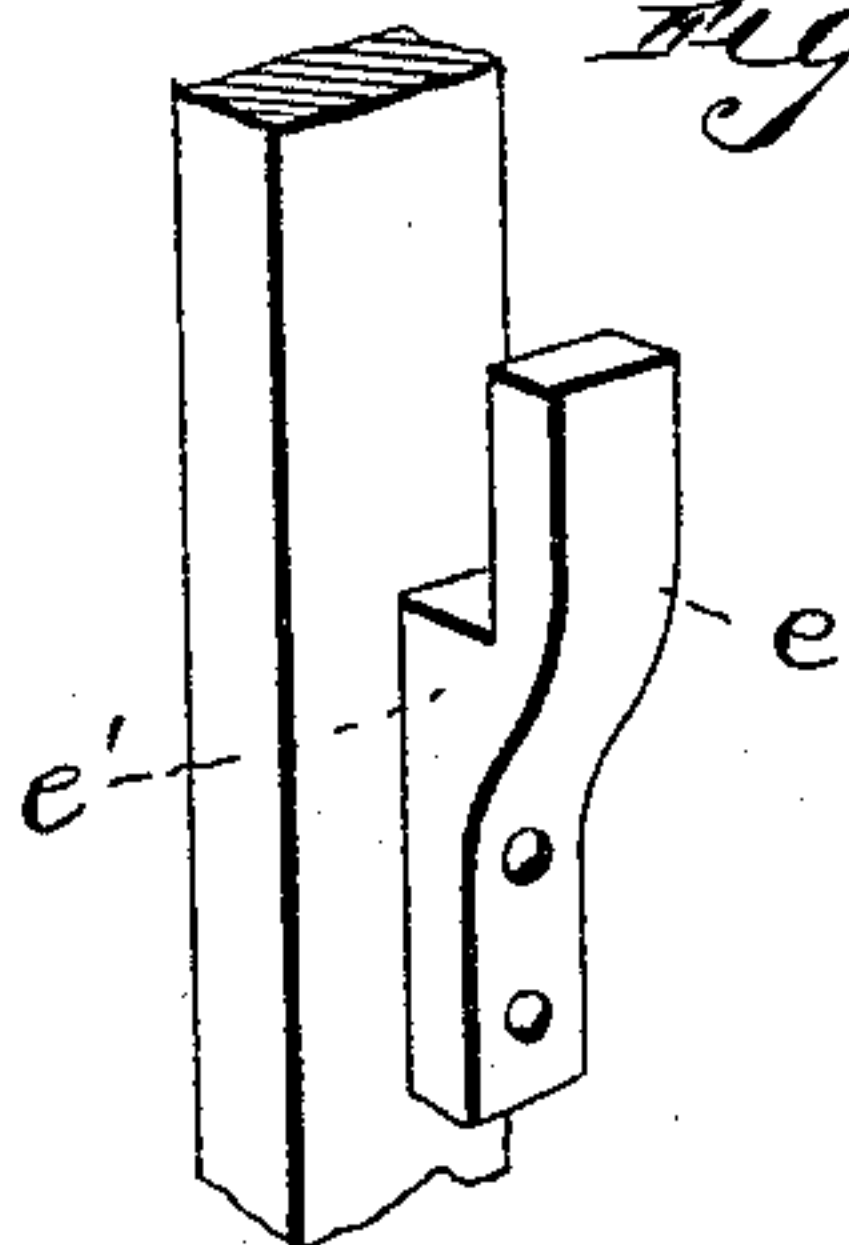


Fig. 4.



WITNESSES:

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CHUTE FOR DEHORNING CATTLE.

SPECIFICATION forming part of Letters Patent No. 459,052, dated September 8, 1891.

Application filed November 18, 1890. Serial No. 371,845. (No model.)

To all whom it may concern:

Be it known that I, NATHAN J. THOMAS, a citizen of the United States, and a resident of Morrison, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Chutes for Dehorning Cattle; and I do 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view of the invention. Fig. 2 is a detail view, showing nose-lever. Fig. 3 is a plan view of the catch *f*. Fig. 4 is a detail view of the bracket and seat for the catch *f*.

The invention has relation to "dehorning-chutes," or devices for securing or holding cattle while removing their horns; and it consists in the novel construction and combination of parts, as hereinafter described.

In the accompanying drawings, A represents the chute, which consists of the frame B, having therein the box or stall B', said box or stall being open at the rear and front ends and having the outwardly-flaring side walls *b*. A stanchion C is pivoted at its lower end to the front end sill of the stall, its upper end being free to slide within the slot *c* between the two top cross pieces or braces *d d'*, which are secured to opposite sides of the forward posts of the frame. One of the forward posts D stands inside of the side wall of the stall, and about midway its height, on its rear face, is pivoted one end of a lever E, adapted, when the device is in use, to be brought down and pinned or otherwise secured at its free end to the opposite post. On its front face, some distance below the point where the lever E is pivoted on its rear face, is pivoted a second shorter lever F, the free end of which is adapted to rest, when the parts are in working position, in a seat *e*, formed in the bracket *e'*, which is secured to the stanchion C near its lower end. At one end of the slot *c* is pivoted a catch *f*, which is formed with a series of steps or retaining-shoulders *f'*, which are adapted to engage the top of the stanchion

C and lock it against outward movement. Its inward movement is limited by the pin *g*. A cord or wire *h* is secured to the free end of the catch *f*, said cord passing thence up and over a bearing in an arm *g'*, secured to the frame, thence down to a position where it may be operated to lock and release the stanchion.

H represents an arm or lever, known as the "nose-lever," which is pivoted at one end to one of the forward side braces of the frame and when not in use is supported by the bracket *h'*, secured to the top of the frame. Near its central portion the rear face of this lever is provided with a couple of pins or pegs *k* a short distance apart, which are adapted to engage the nose of the animal, as hereinafter described.

The animal to be operated upon is placed in the stall, the stanchion and levers being moved back out of the way. The stanchion C is then brought up and locked, thus securing the head of the animal against lateral movement. The lever F, or "chin-lever," is then brought up under the chin and the top lever E brought down against the top of the head and secured in such position. The nose-lever is then brought down and held and the animal's head thus firmly and steadily held. After it has been dehorned the upper lever is raised, the nose-lever hung in its bracket, and the stanchion released, permitting the animal to pass out and leaving the stall ready to receive the next.

By using levers in the manner above described, instead of ropes, the trouble and annoyance of adjusting or placing the ropes upon the animal's head are avoided, and there is less liability of the animal moving its head from side to side, and especially by using the nose-lever with the pins, which pass upon each side of the nose, whereas a rope must be passed around the central portion of the head to keep it from coming off.

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

The combination, with the chute having a slot at its upper front portion, of the stanchion pivoted at its lower end to the front end sill of the chute and its upper end being

free to slide within the slot at the upper front
portion of said chute, and a pivoted notched
catch for locking said stanchion in different
positions, a lever E, pivoted at one end to one
5 of the forward posts of the chute, a fasten-
ing for said lever on the opposite post, a le-
ver pivoted below lever E and having a seat
for its free end in said stanchion, and a lever
H, pivoted at one end to one of the side braces
10 of the chute-frame, said lever having pins or

pegs thereon adapted to engage the nose of
the animal, and means for supporting said
lever in a vertical position when not in use,
substantially as specified.

In testimony whereof I affix my signature in 15
presence of two witnesses.

N. J. THOMAS.

Witnesses:

A. R. LEWIS,

M. B. CODDING.