(No Model.)

J. R. LUKING & C. THOMPSON.

BEEF HOIST.

No. 455,408. Patented July 7, 1891.

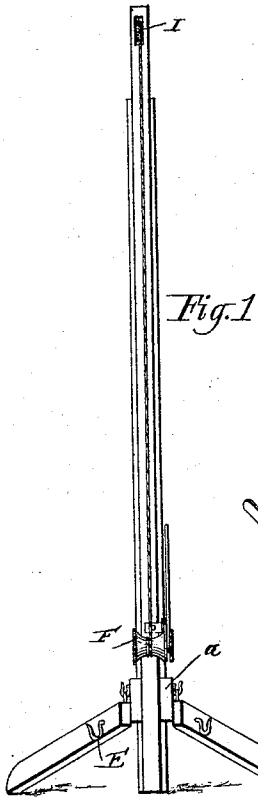


Fig. 1

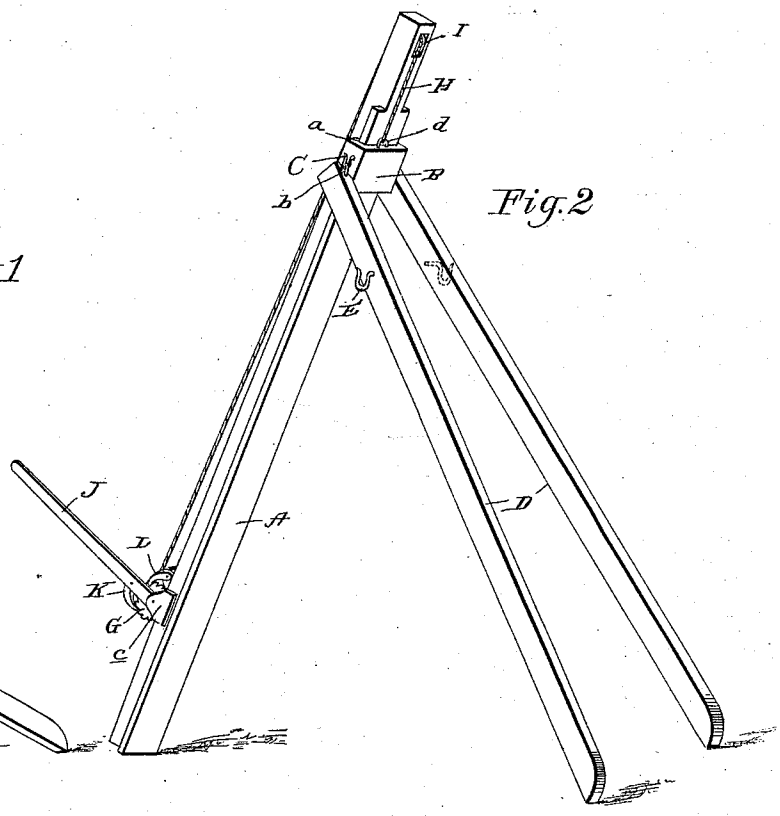


Fig. 2

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN R. LUKING AND CHASE THOMPSON, OF FINDLAY, OHIO.

BEEF-HOIST.

SPECIFICATION forming part of Letters Patent No. 455,408, dated July 7, 1891.

Application filed December 15, 1890. Serial No. 374,836. (No model.)

To all whom it may concern:

Be it known that we, JOHN R. LUKING and CHASE THOMPSON, citizens of the United States, residing at Findlay, in the county of Hancock and State of Ohio, have invented certain new and useful Improvements in Beef-Hoists for Outdoor Work; and we 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.

Our invention has relation to improvements in hoisting apparatus; and it has for its general object to provide an apparatus of a cheap, simple, and capable construction adapted to hoist beef and other heavy meat into a convenient position for dressing.

The improvements will be fully understood from the following description and claims, when taken in connection with the accompanying drawings, in which—

Figure 1 is a front elevation of our improved hoist with the adjustable casting and beams in a lowered position. Fig. 2 is a perspective view with the casting and beams in an elevated position.

Referring by letter to the said drawings, A indicates the obliquely-pitched standard of our improved apparatus, which is provided with lateral flanges adjacent its forward side, as shown, to guide the movable casting B, which is mounted on the said standard and is adapted to be raised and lowered to suitably elevate the beef-supporting beams, as will be presently described. This casting B, which is preferably of a general rectangular form, is provided with the rear inwardly-directed flanges *a*, as shown, whereby it is held upon the standard and prevented from casual lateral displacement. Formed integral with or suitably connected to the sides of the casting B and extending laterally therefrom are hooks C, designed to engage the staples *b* in the upper edge of the beams D, adjacent the upper end thereof. The supporting-beams D, which are preferably of the proportional length shown, are preferably beveled on their inside at their upper end, so that they will be slightly spread laterally with respect to the standard A, as is desirable.

Extending laterally from the outside of the beams D, adjacent their upper ends, are hooks E, which are designed and adapted for holding beef or other meat upon the beams during the operation of dressing the same.

Journaled in the bracket-bearings *c*, attached to the sides of the main portion of the standard at about the elevation illustrated, is a windlass F, to which is fixed a ratchet-wheel G, which is designed to be engaged by pawls, as and for a purpose to be set forth.

Attached to or formed integral with the upper edge of the casting B is a staple or eye *d*, to which is attached one end of the rope or cable H, which passes over a pulley I, housed in the standard adjacent the upper end thereof, and down to the windlass, by which it is wound and unwound to raise and lower the beef-supporting beams. Loosely fulcrumed at one end, and preferably upon the shaft of the windlass, is a lever J, which is provided with a pivoted depending pawl K, adapted to engage the teeth of the ratchet G to rotate the windlass, for the purpose described.

L indicates a pivotally-mounted depending pawl, which is adapted to engage the teeth of the ratchet to prevent the windlass from rotating backward when not desired.

In operation the casting B and beams D are lowered, as shown in Fig. 1 of the drawings, when the beef may be readily placed thereon and secured by the hooks E. The lever J is then operated, when the pawl K, engaging the ratchet G, rotates the windlass F, winds the rope H, and raises the casting B and beams D, with the beef thereon, into a position whereby the beef may be conveniently dressed. Thus it will be seen that a single man is enabled to handle and dress a beef without assistance, as was heretofore necessary.

By the construction disclosed it will further be seen that the several parts may be readily disconnected, whereby the apparatus may be conveniently moved from place to place.

Having described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In an apparatus for hoisting beef, the combination, with a standard having lateral flanges adjacent its forward side, of a casting mounted thereon and adapted to be raised and lowered, supporting-beams loosely connected

to said casting, and a suitable means for raising and lowering the casting and beams, substantially as and for the purpose described.

2. The combination, with the standard having lateral flanges adjacent its forward side, the movable casting mounted thereon, and the beams loosely connected to said casting, of a rope connected at one end to the casting and taking over a pulley journaled in the standard, a windlass journaled in bearings on the standard and adapted to wind the rope, a ratchet fixed to said windlass, and a lever carrying a pawl adapted to engage the ratchet, substantially as and for the purpose set forth.

3. A beef-hoist for the purpose described, comprising a standard provided with a vertical pulley adjacent its upper end, a movable casting mounted upon the said standard and provided with lateral hooks, the supporting-beams provided with eyes to engage the hooks of the casting and also having laterally-extending hooks, and a suitable means for raising and lowering the casting and pulley, substantially as specified.

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