

G. R. LONG & S. KING.

Improvement in Hoisting Machines.

No. 119,988.

Patented Oct. 17, 1871.

Fig. 1.

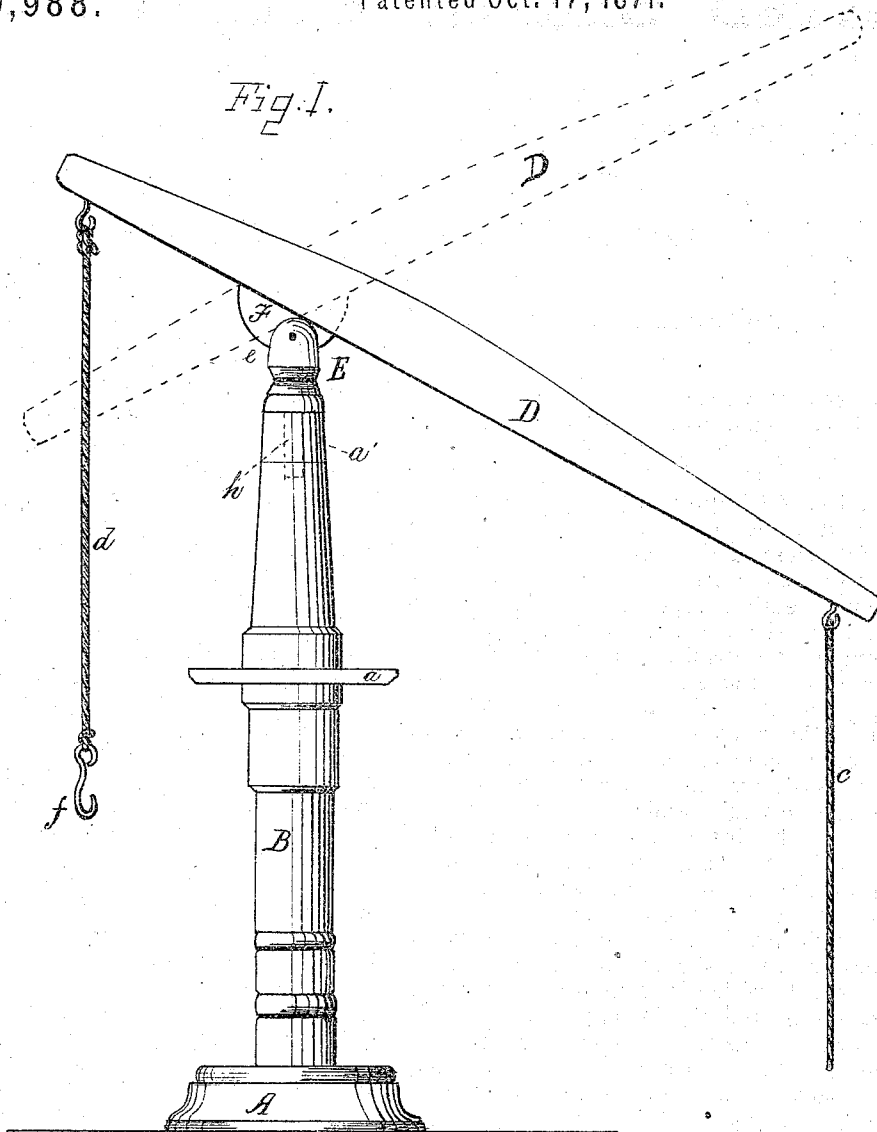
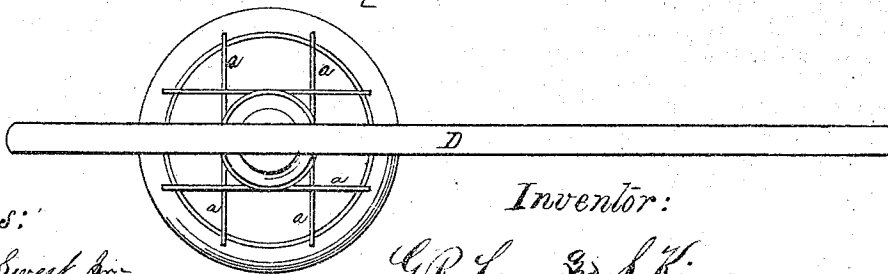


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

GEORGE R. LONG AND SAMUEL KING, OF LANARK, ILLINOIS; SAID KING ASSIGNS HIS RIGHT TO SAID LONG.

IMPROVEMENT IN HOISTING-MACHINES.

Specification forming part of Letters Patent No. 119,988, dated October 17, 1871.

To all whom it may concern:

Be it known that we, GEORGE R. LONG and SAMUEL KING, both of Lanark, in the county of Carroll and State of Illinois, have invented a new and useful Improvement in Hoisting-Machines; and we do hereby declare the following to be a full, clear, and exact description thereof, sufficient to enable others skilled in the art to which our invention appertains to fully understand and use the same, reference being had to the accompanying drawing, in which—

Figure 1 is a side elevation of my improved hoisting apparatus. Fig. 2 is a plan view.

Our invention relates to certain improvements in hoisting-machines, which can be used with facility in scalding and cleansing hogs; and consists of a vertical standard arranged upon a suitable base, having at its top a cap adapted to rotate, said cap being provided with a slot or bearing for a lever, so that the same can be rotated and raised or depressed, the lever having a rope or chain attached to its long arm, by which it is operated, and a similar rope or chain at its opposite end, to which is secured a hook or other device for grappling the object to be lifted; and it further consists in arranging a rack or platform upon the vertical standard, which may consist of two or more slats in transverse pairs, this platform being for the purpose of resting the hog or other burden on or against it for convenience of manipulation.

In the drawing, A represents the base of the hoisting apparatus; B, the vertical standard, upon which, at any point between its base and top, is suitably attached a small platform, which may consist of two pairs of parallel slats, *a a*, placed transversely on each side of the standard. D represents the lever, upon which is attached a casting or projection, E, which is rigidly secured to or may be formed with the lever. The top of the standard B is formed with a socket or recess, *a'*, in which fits and works freely the journal or end *h* of the cap E, the latter being formed with a slot, *e*, or other bearing-surface, in which works the extension F of the lever D. By thus arranging this cap in the top of the standard, the lever can be rotated to any desired

position, and either raised or depressed. Upon one end of the lever D is attached a rope or chain, *c*, by which to manipulate the lever, and upon the opposite end of the lever is attached a similar rope or chain, *d*, having secured upon it a hook, *f*, or other suitable device by which the hog can be grasped or hoisted.

When a hog is to be scalded and cleaned the hook *f* is attached to its snout and the opposite end of the lever is depressed by means of the rope *c* elevating the hog, which can then be lowered into the scalding-vat, and after being scalded again, elevated and brought to the rack *a a* for cleansing.

The form of the rack *a a* renders it a great convenience by affording a bearing for steady- ing the hog while being cleansed, which enables the operators to work upon nearly all parts without altering its position, while its arms, projecting on four sides, may be used for suspending a carcase by the gambrels to be dressed. The rotation of the lever-beam on its axis enables the hog to be easily transferred from the scalding-vat to this rack or to an adjoining platform. The rack also serves for suspending implements required to be kept at hand during the operation.

All the parts of the apparatus may be constructed in any suitable manner and of any proper material. The apparatus constitutes a simple, durable, and efficient device for scalding and cleansing hogs, and many other purposes, whereby much labor and time is saved.

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

The cruciform bars *a a*, standard B, socket *a'*, cap E, and journal *h*, in combination with the lever D, and cord or chain *d*, the several parts arranged and operating substantially as set forth.

In witness whereof we have hereunto signed our names in the presence of two subscribing witnesses.

GEORGE R. LONG.
SAMUEL KING.

Witnesses:

FRANK HOWLETT,
JOHN R. HOWLETT.

(79)