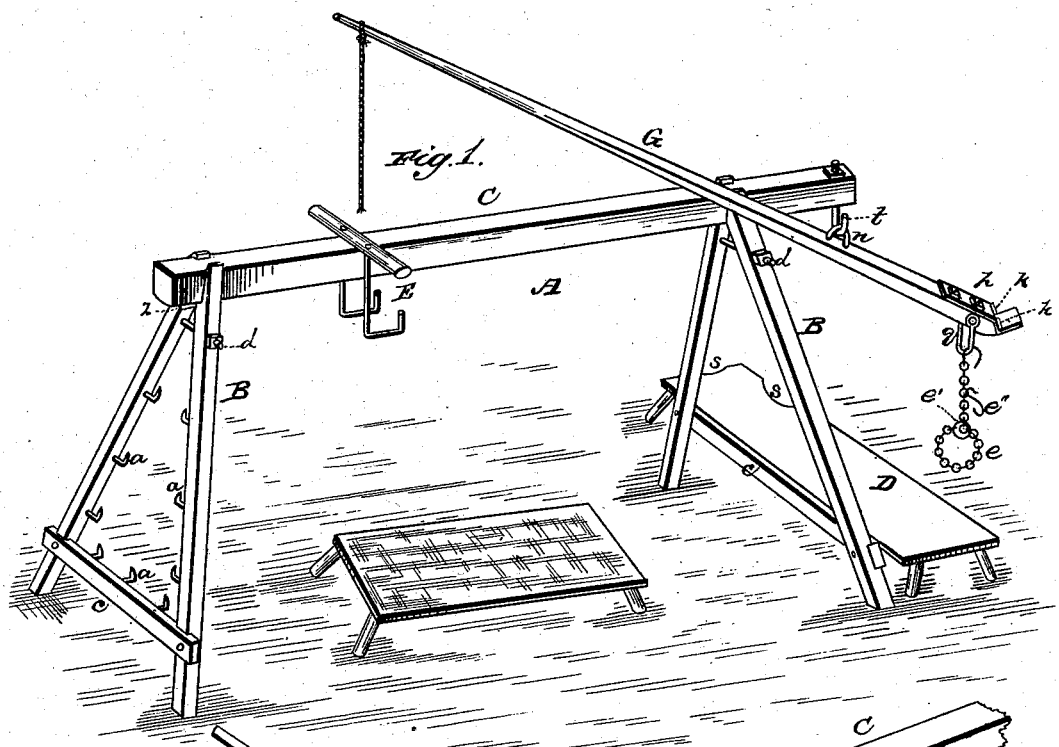
(No Model.)

S. KREITER.

HOG SCALDING AND ELEVATING APPARATUS.

No. 263,918. Patented Sept. 5, 1882.

Fig. 1.



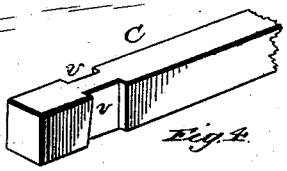


Fig. 4.

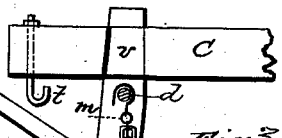


Fig. 3.

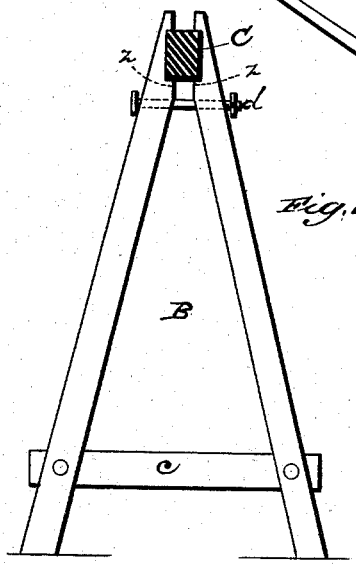


Fig. 2.

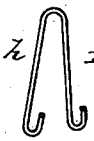


Fig. 5.

Fig. 6.

Fig. 7.

WITNESSES

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UNITED STATES PATENT OFFICE.

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HOG SCALDING AND ELEVATING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 263,918, dated September 5, 1882.

Application filed May 13, 1882. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL KREITER, a citizen of the United States, resident of Lake township, in the county of Kosciusko and State of Indiana, have invented a new and valuable Improvement in Hog Scalding and Raising Apparatus; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a perspective view of my device. Fig. 2 is a cross-sectional view of the same. Figs. 3, 4, 5, 6, and 7 are detail views.

This invention has relation to devices for facilitating the handling of hogs during the operations of scalding, cleaning, and scraping them; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claims appended.

In the accompanying drawings, the letter A designates a portable frame-work, of any suitable material, but preferably constructed of wood, consisting of three pieces or parts adapted to be easily put together and taken apart.

B B represent two trusses, composed each of two inclined standards resting upon the ground and converging toward their upper ends, which are beveled a short distance from the end on their inner surfaces, forming bearings *z* for the sides of the beam C. The bearings *z* of the trusses do not meet each other, but are arranged apart to receive and hold the recessed bearings of the beam C by means of the draw-bolts *d*. The lower ends of the trusses are braced by means of cross-bars *c*. The standards and cross-bars of the trusses are studded on their inner protected surfaces with short hooks *a* for supporting hogs' heads.

C represents the beam, which extends horizontally, and is supported by the trusses between the upper beveled surfaces or bearing ends, *z*, thereof, being held in secure engagement by means of the lateral grooves or recess-bearings *v* near each end and on both sides and the draw-bolts *d*. In this manner is constructed a compact and secure frame for suspending the hooks, chains, and lever in operating upon the stock during the various stages of the process of cleaning, scalding, &c. The beam C is provided at the end with a swivel bolt-hook, *t*, for suspending chains and the lever used during the operation.

G represents the lifting-lever, which is provided at one end with an angular end plate, *p*, for supporting the spreading-stick, and with a clevis, *q*, for attachment to the hooks and chains used in lifting the hogs by means of said lever into position. It is also provided with a staple or fulcrum hook, *n*, for suspending it from any point of the scaffold as occasion may require, a bearing hook and chain being employed therewith as indicated at *m*. At the other end of the lever a cord is secured for working it when too high to be reached by the arms of the operator.

D represents the working-bench, which is provided with concave notches or bearings *s* on its end and side, to engage the barrels or vessels containing the scalding and cleansing liquids, and said benches are placed in convenient position with reference to the supporting-frame when in use.

The mode of proceeding is as follows: The hog, having been placed beneath the beam C, is secured by passing the hind leg through a noose formed by passing the chain *e* through the ring *e'*. The lever G is then suspended from the hook at the end of the beam or from the draw-bolt by means of the chain *e* or hook *e''* and the staple or hook on said lever, and a fulcrum is thereby secured in order to raise the hog from the ground and immerse it, head foremost, in the barrel or vat containing the scalding-liquid. This part of the hog, having remained sufficiently long in the scalding-liquid, is raised therefrom and detached from the chain. In order to complete the scalding of the animal, an S-shaped hook, *s'*, sharp at one end, is inserted in the jaw of the animal, which is raised by means of said hook in the manner previously described, and the rear part is subjected to the scalding process. The hog is now transferred by means of the lever to the working-bench to be cleaned and scraped.

E represents a device for holding the hog, which is constructed of a bar of wood, having secured thereto two L-shaped hooks, and in-

tended to straddle the beam C in a manner sufficiently loose to slide easily thereon. These bearing-hooks are designed to support the hog by the engagement of the spreading-stick after it has been cleaned for the purpose of allowing the drippings to escape. The animal is lifted to the bearing-hooks by means of the lever G, which is suspended, as before described, from the frame or scaffold, by inserting the angular toe of the end plate underneath the spreading-stick, which has been previously inserted by each barbed end through and between each hind leg of the dressed hog in the manner well known to operatives. By means of the lever the hog is lifted to the bearing-hooks and suspended therefrom. One or more of these straddle-hooks may be used, according to the exigencies of the case. The angular toe of the end plate is formed with raised edges or biting-edges *k*, which serve to prevent the spreading-stick from slipping when in engagement therewith.

Barrels or vats required during the process of hog-dressing are readily moved to desired points by means of the lever G and the chain and ring, the ring having two claws or hooks, *h*, which are attached to grips or to the hoops on the barrels or vats.

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

1. The combination of the lever G, having the angular end plate, *p*, and the clevis *q*, with the truss B and beam C and connecting devices, as shown and described.

2. The combination of the bearing-hooks E, beam C, truss B, chain and ring *e e'*, and hook *m*, as shown and described.

3. In hog-raising apparatus, the lever G, having the angular engagement-plate *p*, clevis *q*, staple-hook *n*, and cord, as shown, and for the purpose described.

4. The operating-lever having a fulcrum-staple and clevis, and having an end plate formed with an angular toe having raised biting-edges, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

SAMUEL KREITER.

Witnesses:
ADAM STOUT,
ALVIN ROBINSON.