(No Model.)

J. A. HUNT.

OIL MILL BOX AND FITTING.

No. 277,840. Patented May 15, 1883.

Fig. 1.

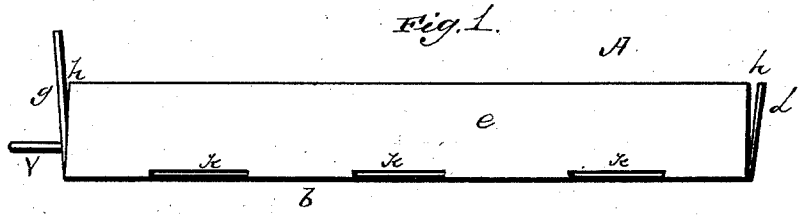


Fig. 2.

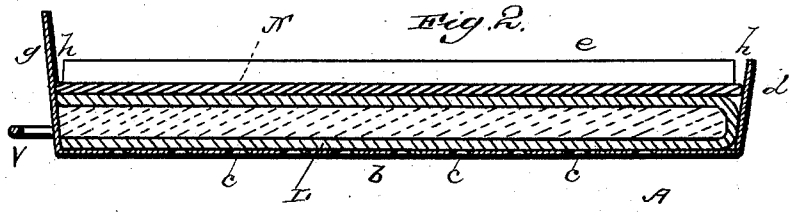
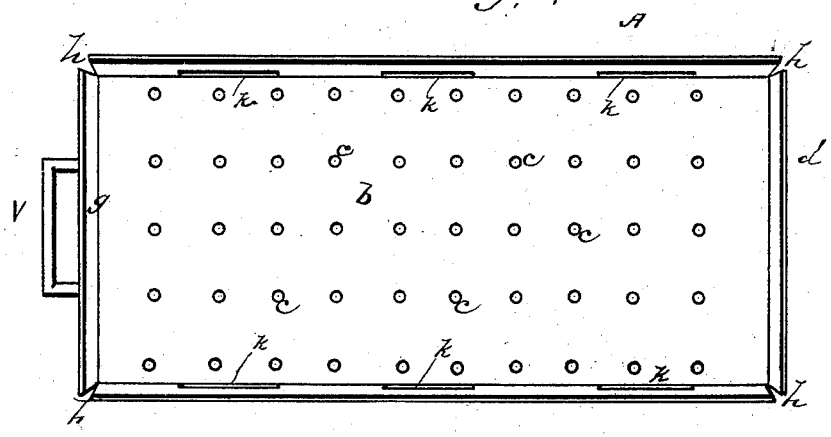


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN A. HUNT, OF GREENVILLE, ALABAMA, ASSIGNOR OF ONE-HALF TO JOSEPH STEINER, OF SAME PLACE.

OIL-MILL BOX AND FITTINGS.

SPECIFICATION forming part of Letters Patent No. 277,840, dated May 15, 1883.

Application filed April 9, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. HUNT, a citizen of the United States, and a resident at Greenville, in the county of Butler and State of Alabama, have invented certain new and useful Improvements in Oil-Mill Boxes and Fittings; 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 or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a side view of my box. Fig. 2 is a vertical sectional view, and Fig. 3 is a plan view.

This invention has relation to devices used in connection with oil-presses; and it consists in the construction and novel arrangement of the steel box having openings in its bottom, and its raised walls separated at the corners; in the combination, with a perforated steel box to be worked under the sinker of the press, of straight cloths and leather top, all as hereinafter set forth.

The object of this invention is to facilitate the operation of the ordinary oil-press working with a sinker, and to dispense with the side plates, which are often clogged by the sediment and meal.

In the accompanying drawings, the letter A designates the steel box, which is placed under the sinker of the press. The bottom *b* of this box is perforated, the perforations *c* being larger at their outer openings than on the inside of the box. The back *d* and sides *e* of the box are of about the same height, so as to pass easily under the sinker, while the front wall, *g*, may be made higher to serve as a guide to prevent the box from being pushed too far. The sides and ends of the box are separated from each other at the corners, thereby providing corner-openings for rapid drainage, as indicated at *h*. Longitudinal openings *k* are also made in the bends between the bottom and sides, still further facilitating the drainage. This construction also enables the cake to be easily and freely taken from the box after being pressed.

L represents a straight cloth, which is laid in the bottom of the box, covering the perforations and drainage-openings. The charge of meal is placed in the box on this cloth, and it is usually covered either by a doubling of the same cloth or by a separate straight cloth, after which the leather top N is put in position. The box is operated by means of a handle, V.

The press being put in action, the oil is expressed thoroughly from the meal, leaving a dry and hard cake, which is easily removed from the box. After the removal of the cake the box is ready for another charge, as it is not apt to be clogged with sediment and meal, its perforations being of the proper form to permit such matters to escape freely.

Some important advantages are proposed in the use of this box. The side drainage is perfectly free and open, so that the press is cleaned every time the box is drawn. The use of costly mohair sacks is dispensed with. More oil is expressed from a given charge and the cake is left comparatively dry and free from oil. The leather top serves effectually to prevent the cloth from being cut by the sinker of the press. Much time and labor are saved both in charging the press and in discharging the cake.

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

1. A steel charge-box for oil-presses, having drainage-openings in its bottom and raised walls separated at the corners, substantially as specified.

2. The combination, with a steel charge-box having drainage-openings in its bottom and raised sides and ends separated at the corners, of the straight charge-cloth covering the drainage-openings, substantially as specified.

3. The combination, with a steel charge-box having drainage-openings in its bottom and raised sides and ends, of the straight charge-cloth covering the drainage-openings, and the leather top, substantially as specified.

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

JOHN ALBERT HUNT.

Witnesses:
A. F. POSEY,
W. R. MARTIN.