

W. V. McKENZIE.
Oil-Press Hoop.

No. 218,044.

Patented July 29, 1879.

Fig: 1.

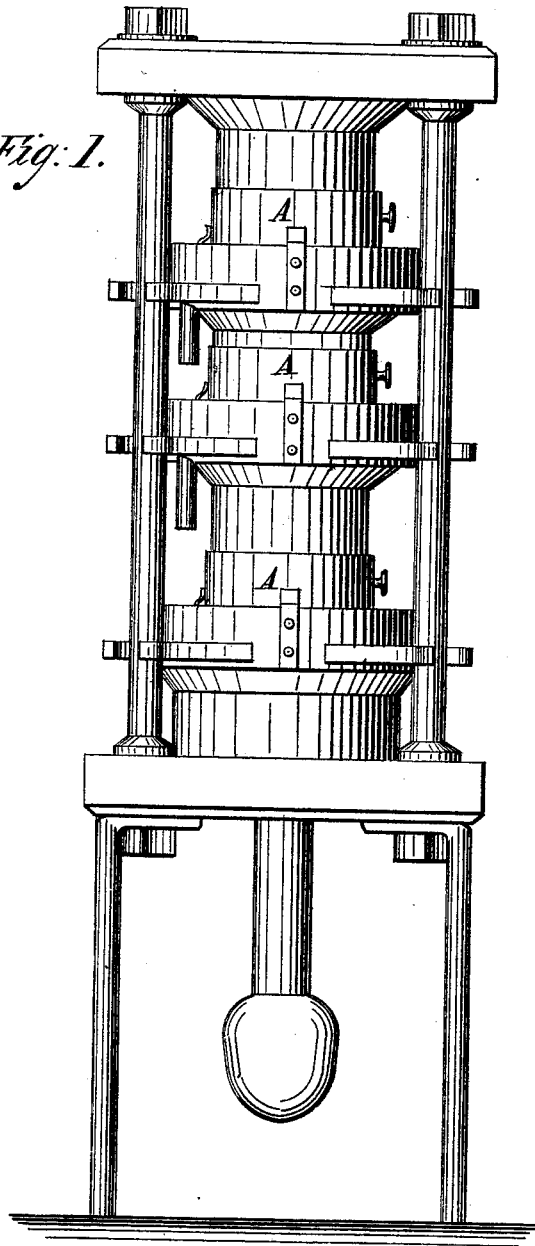


Fig: 2.

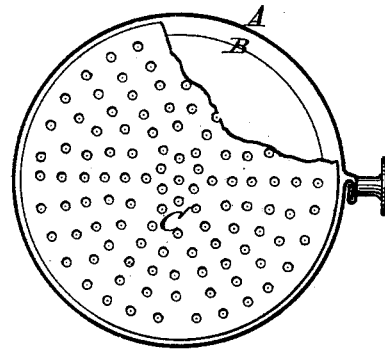
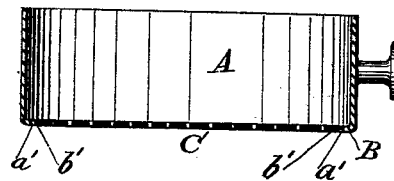


Fig: 3.



WITNESSES:

Achilles Schehl.
C. Sedgwick

INVENTOR:

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM V. McKENZIE, OF RAHWAY, NEW JERSEY.

IMPROVEMENT IN OIL-PRESS HOOPS.

Specification forming part of Letters Patent No. **218,044**, dated July 29, 1879; application filed December 27, 1878.

To all whom it may concern:

Be it known that I, WILLIAM V. McKENZIE, of Rahway, in the county of Union and State of New Jersey, have invented a new and Improved Oil-Press Hoop, of which the following is a specification.

Figure 1 is an elevation of an oil-press. Fig. 2 is a top view of an oil-press hoop with strainer broken away at one point to show the shoulder on which it rests. Fig. 3 is a cross-section through the squeezer.

Similar letters of reference indicate corresponding parts.

The object of this invention is a new style of oil-press hoop possessed of great advantages in the way of simplicity, durability, strength, and convenience.

The ring part A of the hoop is of stout metal, preferably of wrought-iron, from a half to three-quarters of an inch thick, more or less. It has a flange or shoulder made on it, as shown at B, and the flange is beveled, as shown at *a'*. The bottom C of the hoop is of perforated metal, with edge beveled off, as shown at *b'*, to correspond with and fit upon the beveled shoulder of the ring A, so that the under surface of the strainer or perforated bottom shall, when in position, be flush and level with the under surface of the ring-shoulder.

If oil-seed, fish-scrap, or any other material is to be pressed, a cloth is first placed within

the hoop over the perforated movable bottom, and the material is introduced.

I have shown the hoops placed on a series of sliding trays, the lower parts of which serve as plungers for the hoop on the tray below. Pressure being applied in any convenient manner to the lowermost tray, it is raised until the plungers on the trays are forced into the hoops below, and the oil or other liquid is pressed out and escapes through the cloth and perforated bottom, the pressure being removed, and the hoop with its contents being removed. The resulting cake of pressed substance is then readily expelled by inverting the hoop and pushing the bottom out.

I do not confine myself to the circular-shaped squeezer, though ordinarily it is most convenient to use, but make them of rectangular or other shape when desirable.

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

An oil-press hoop with beveled shoulder and movable beveled perforated bottom, substantially as and for the purpose herein described.

WILLIAM V. McKENZIE.

Witnesses:

C. SEDGWICK,
J. H. SCARBOROUGH.