

J. L. PERKINS & G. O. BAKER.

OIL PRESS MAT.

No. 174,432.

Patented March 7, 1876.

Fig. 1.

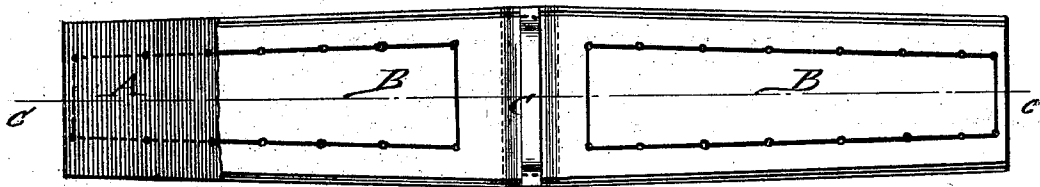


Fig. 2.

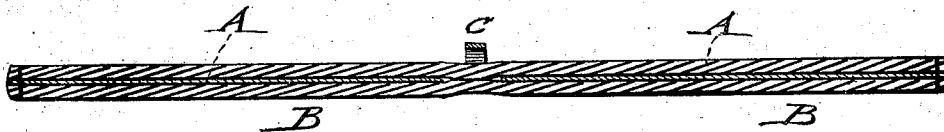
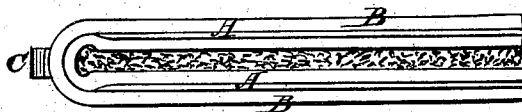


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH L. PERKINS AND GEORGE O. BAKER, OF SELMA; ALABAMA.

IMPROVEMENT IN OIL-PRESS MATS.

Specification forming part of Letters Patent No. **174,432**, dated March 7, 1876; application filed January 22, 1876.

To all whom it may concern:

Be it known that we, JOSEPH L. PERKINS and GEORGE O. BAKER, of Selma, Dallas county, Alabama, have invented a new and Improved Oil-Press Mat, of which the following is a specification:

Figure 1 represents a top view of our improved oil-press mat, shown in open position. Fig. 2 is a vertical longitudinal section of the same on the line *c c*, Fig. 1; and Fig. 3 is a side view of the same, showing it in position for pressing.

Similar letters of reference indicate corresponding parts.

The object of our invention is to furnish to the manufacturers of cotton-seed oil an improved mat, which, by its strength and durability, is not so liable to breakage as the expensive mats of twisted hair-cord at present in use, and which will bear a more powerful pressure, so as to yield a larger percentage of oil from the seed.

The invention consists of an oil-press mat made of wood or metal plates, and covered with leather or other suitable material.

In the drawing, *A A* represent the wood or metallic plates of equal size, which are fitted to the shape of the press-box. These plates *A* are lined at the inside and outside with leather, wood, sheet-iron, or other suitable material, *B*, that is not injured or decom-

posed by the oil. The outside ends of the plates may be so connected by the lining *B* that a hinge with a handle, *C*, is formed for the purpose of putting the mat in and out of the press-box, and for holding the plates in the box in position for use. The lining may be made to project over the edges of the plates sufficiently to protect the lining of the boxes from contact with the metallic plates, preventing thereby bruising and cutting by the contact of metal with metal. The inside lining of the plates may be used or not, as desired, as it has been found by actual tests that the bags holding the meal are not injured by contact with the metal plates. The plates impart to the mat the main strength, and admit thereby a higher degree of pressure than the hair-mats, while lasting longer and being in every respect more effective than the same.

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

An oil-press mat formed of leather on the outside and metal on the inside, the former being carried around the edges of the latter, as and for the purpose specified.

JOSEPH L. PERKINS.
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Witnesses:

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