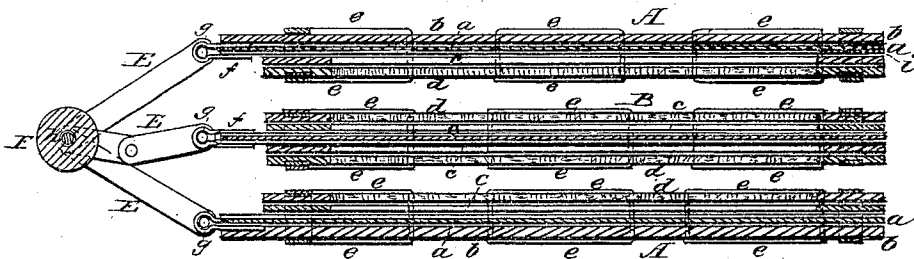


J. J. MISTROT.  
Press Mat.

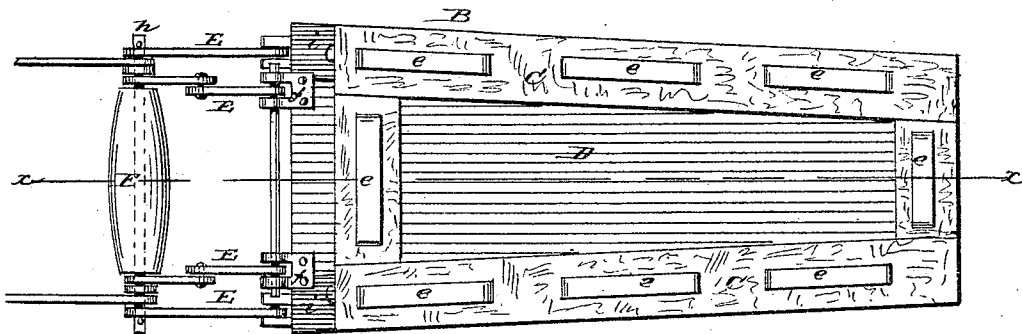
No. 242,553.

Patented June 7, 1881.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Francis Mc Ardle*  
*C. Sedgwick*

INVENTOR:

*J. J. Mistrot*  
BY *J. W. Lehmann*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

JEAN J. MISTROT, OF BRYAN, TEXAS.

## PRESS-MAT.

SPECIFICATION forming part of Letters Patent No. 242,553, dated June 7, 1881.

Application filed August 26, 1879.

*To all whom it may concern:*

Be it known that I, JEAN J. MISTROT, of Bryan, in the county of Brazos and State of Texas, have invented a new and Improved Press-Mat, of which the following is a specification.

My invention relates to an improved construction of press-mats used in connection with cotton-seed-oil presses; and the object of the improvement is to give the mats greater strength and durability, and thus, by enabling them to withstand a greater pressure, obtain a larger yield of oil.

The invention consists in making the mat of three leaves, for the purpose of enabling two eight-pound cakes to be pressed in each mat; also, in making the outside leaves of a combination of leather, sheet metal, and press-cloth, to give them the proper endurance; lastly, in connecting these leaves together by a jointed handle that gives them perfect flexibility in their connection and allows them to adjust readily to the several positions they are required to assume.

In the accompanying drawings, Figure 1 is a longitudinal section of my improved press-mat on line *xx* of Fig. 2, and Fig. 2 shows the mat with one of the outside leaves removed so as to expose the middle leaf.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A A are the outside leaves of the press-mat, and B is the inside or middle leaf. The first are composed of a face-plate, *a*, of sheet metal, and an outside or casing-plate, *b*, of thick leather. The second is composed of a single plate of sheet metal. On the face of the outside leaves, and on both sides or faces of the inside or middle leaf, is formed a rectangular raised rim, C, parallel to the edges, leaving a depression, D, within the rim. The rims are composed of a layer or strip of leather, *c*, next to the plate, and over this a layer of press-cloth, *d*, and the two parts of the rim, the metal, and the leather plates of the outside leaves are all connected together by metal lacing-strips *e* passed through and through, with the ends bent down against the press-cloth.

To the rear end of the leaves are attached jaws *f*, with holes *g* through them to receive a pintle. In the slots between the jaws are placed the ends of links E, where they are held by the pintles passed through them and the jaws. The middle leaf has a double link, as shown. The outer ends of all the links are connected together by a pintle, *h*, over which is placed a wooden handle, F, by means whereof the mat is placed in and taken out of the press. The metal plates are stiffened by doubling the edges of the sides and free ends, as indicated at *i*.

A press-mat thus constructed is stronger, more durable, and cheaper than those now in use, and, owing to their being able to withstand a greater pressure, a larger yield of oil can be obtained by their use than any now known. Another advantage obtained from them is that the leather plates on the outside of the leaves enable the workmen to handle them without liability of being burned.

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

1. As an improvement in press-mats, the leaves A A, composed of a metal face-plate, *a*, outside leather plate, *b*, and a rectangular rim on the face-plate, parallel to the edges thereof, composed of strips of leather, *c*, overlaid with press-cloth *d*, all secured together by metal lacing-strips *e*, in the manner substantially as described.

2. The middle leaf, B, made of sheet metal, with rims C on both faces, in combination with the outside leaves, A A, constructed and arranged in the manner substantially as described.

3. The links E, pivoted at one end to the leaves A A B, and connected together at the opposite end by a pintle, *h*, in combination with the press-mat, substantially as described.

JEAN JACQUES MISTROT.

Witnesses:

W. H. FLIPPEN,  
S. H. BOYLE.