

W. H. CROCKER.

Mats for Pressing Oil, &c.

No. 150,941.

Patented May 19, 1874.

Fig. 1.



Fig. 2.

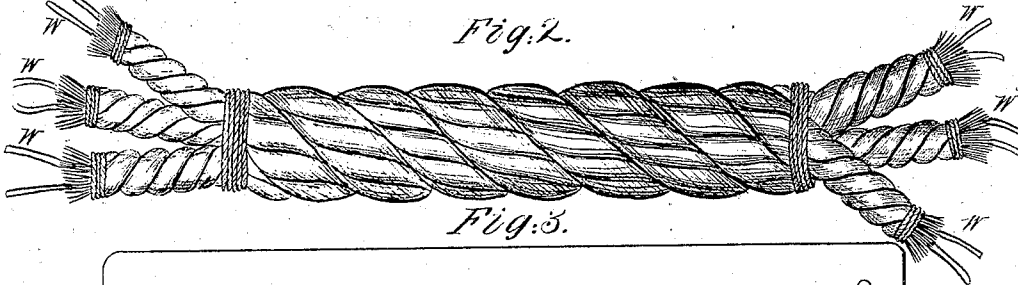


Fig. 3.

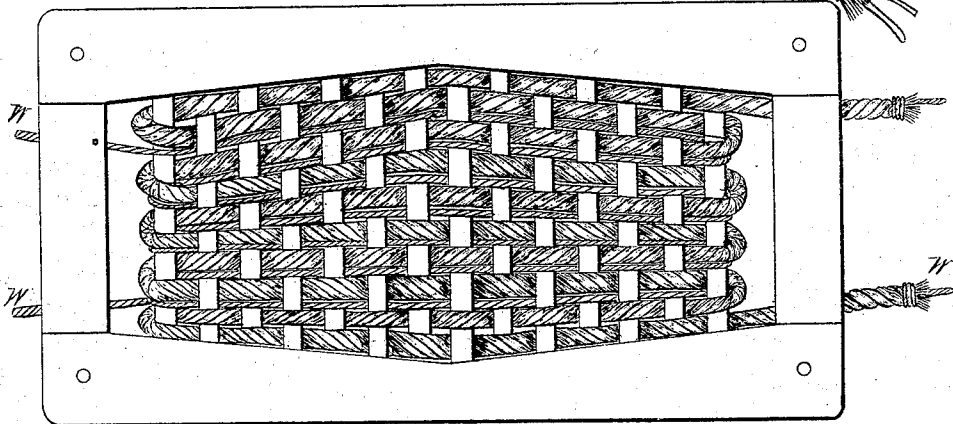
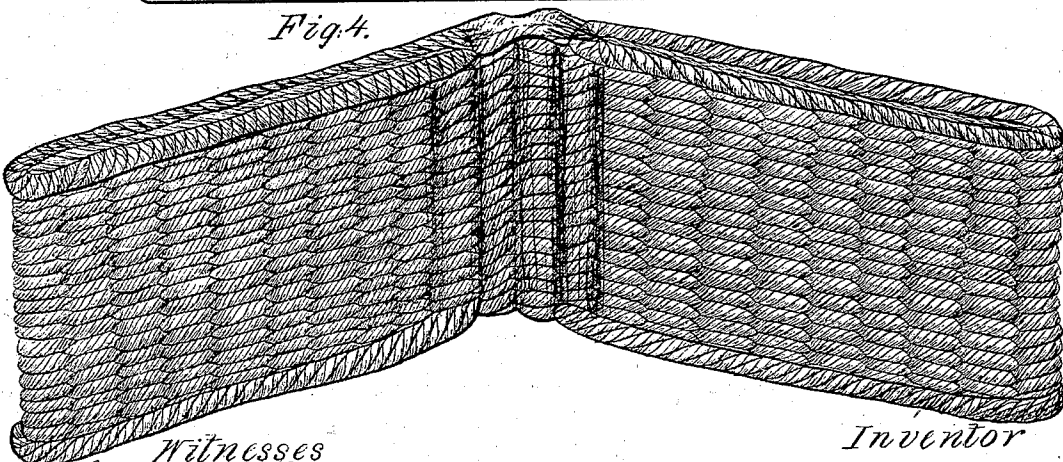


Fig. 4.



Witnesses

Inventor

Frank Hollister
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UNITED STATES PATENT OFFICE.

WILLIAM H. CROCKER, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN MATS FOR PRESSING OIL, &c.

Specification forming part of Letters Patent No. **150,941**, dated May 19, 1874; application filed October 9, 1873.

To all whom it may concern:

Be it known that I, WILLIAM HENRY CROCKER, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in the Manufacture of Mats or Squeezers used in Pressing Linseed-Oil and other Fats and Liquids; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the figures and letters of reference marked thereon.

The peculiarity of this invention consists in the use of metallic wire, either alone or in combination with hair, wool, cotton, hemp, or other suitable material, and its operation is as follows, viz: The wire, being woven through and through the mat, both ways, receives the pressure and sustains the hair or other material, thereby preserving its strength and elasticity much longer, and insuring the following advantages, viz: Increased durability in the mats, and a great economy in keeping the same in repair; less expansion, consequently less friction or wear on the woolen (or other) bag containing the material operated upon; greater ease of manipulation to the workman from their (the mats') rigidity and ability to support themselves when loaded for the press; and an increased yield of the desired product.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction.

Preferably I form a rope of hair and wire in either of the following or other ways: First, (Figure 1 in the drawing,) I form a center strand of one or more threads of wire, W, Fig. 1, the other strands being made of hair, and lay up the rope in the usual way; second, (Fig. 2 in the drawing,) I spin the hair around one or more threads of wire, W, Fig. 2, and lay up the threads and strands thus formed in the usual manner.

The combination rope so made I then weave on a suitable frame, Fig. 3, either by itself, or alternately with one or more strands of naked wire, W, Fig. 3, and proceed with the manufacture in any of the usual ways.

Fig. 4 in the drawing represents the mat or squeezer finished, excepting the leather cover which it is customary to apply before using, the two middle ribs, forming the hinge, being woven of hair rope without wire, that it may be opened and closed the more readily.

The use of hair, wool, cotton, hemp, and similar materials in making these mats is not new, and is not claimed in this invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

A mat for pressing oils, composed of wire and fibrous material woven together, substantially as shown and described.

WILLIAM HENRY CROCKER.

Witnesses:

FRANK HODGKINS,
JOHN CRAY.