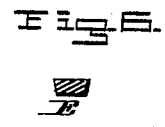
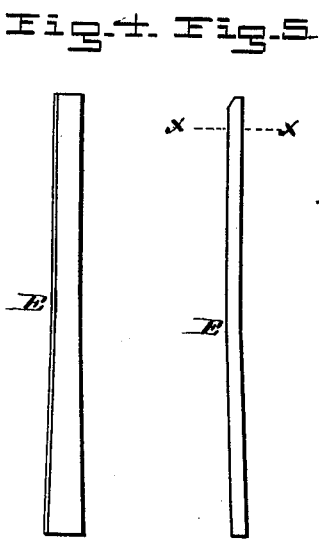
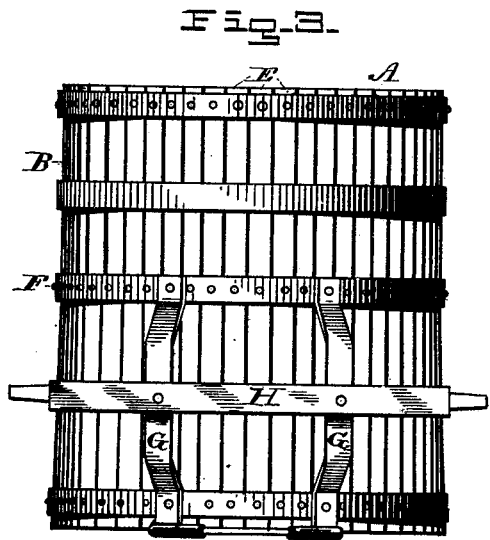
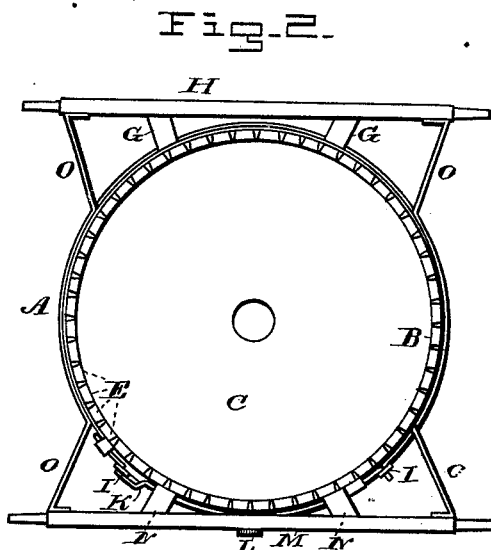
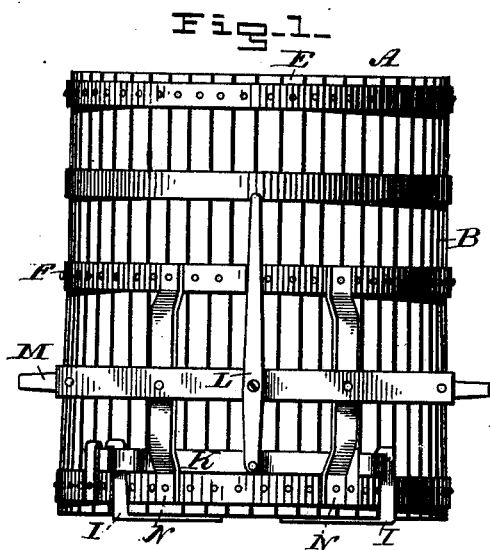


S. P. HEDGES.
Oil-Press.

No. 197,218

Patented Nov. 20, 1877.



WITNESSES:

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SAMUEL P. HEDGES, OF GREENPORT, NEW YORK.

IMPROVEMENT IN OIL-PRESSES.

Specification forming part of Letters Patent No. 197,218, dated November 20, 1877; application filed October 27, 1877.

To all whom it may concern:

Be it known that I, SAMUEL P. HEDGES, of Greenport, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Oil-Presses; and I do hereby declare that the following is a full, clear, and exact description thereof.

This invention relates to certain improvements in presses used in rendering oil from fish; and it consists in the special construction and arrangement of parts which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and arrangement, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a side view, showing the device for holding the bottom up in position. Fig. 2 is a top view. Fig. 3 is a view, showing the bottom hinged to the hoop. Fig. 4 is a front view of one of the slats. Fig. 5 is a side view of the same, and Fig. 6 is a section taken on line *x x* of Fig. 5.

A represents a tub composed of the hoop B and hinged bottom C, rigidly attached to axles H M, which are provided with wheels for transportation.

The hoop B is constructed of metal slats E, riveted or bolted to bands F. These slats E are placed a suitable distance apart, and are beveled upon their sides, as shown in Figs. 2 and 6 of drawings, for the purpose of facilitating the flow of oil and increase in breadth from the center to the bottom, as shown in Fig. 4, enough to overcome the enlargement of the opening between the slats consequent upon the outward slant of the slat shown in Figs. 1, 3, and 5. This outward slant commences at about the center of the slat, and extends to the lower end, and its effect is to give the hoop an increasing diameter as the bottom is approached, so that the hard cake remaining after the pressure is removed can be readily forced out at the bottom of the tub.

The bottom C is attached by means of hinges to the lower ends of the braces G, which are firmly fastened to the lower band, the axle H, and the middle band. The opposite side of the bottom is sustained by means of latches I, which are caught and held by a bolt, K, actuated by a lever, L, pivoted upon the axle M, the bolt sliding freely within the braces N, which are firmly fastened to the lower band, the axle M, and the middle band.

The axles are also braced by stays O O on either side of the tub, which pass from one axle to the other, and, being curved to fit closely to a section of a band, are firmly attached thereto.

This construction and arrangement gives the necessary strength and rigidity without in any manner impeding the flow of oil.

The tub having been filled with fish, and submitted to the required pressure, the bolt is drawn, the bottom swung out of the way, and the hard cake remaining in the tub is forced through the bottom.

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

1. In a press for fish, a slat, constructed substantially as shown and described, slanting from about the center of the slat outwardly to the bottom.

2. In a press for fish, the combination of a tub with the axles H M, braces G G and N N, and stays O O, substantially as shown and described.

3. In a press for fish, the hoop B, bottom C, hinged and bolted, substantially as shown and described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

SAMUEL P. HEDGES.

Witnesses:

GEO. E. POST,
H. W. HALSEY.