

IMPROVED TAN VAT. PATENTED

JOSEPH HUBER.

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Buffalo, N.Y.

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Fig. I.

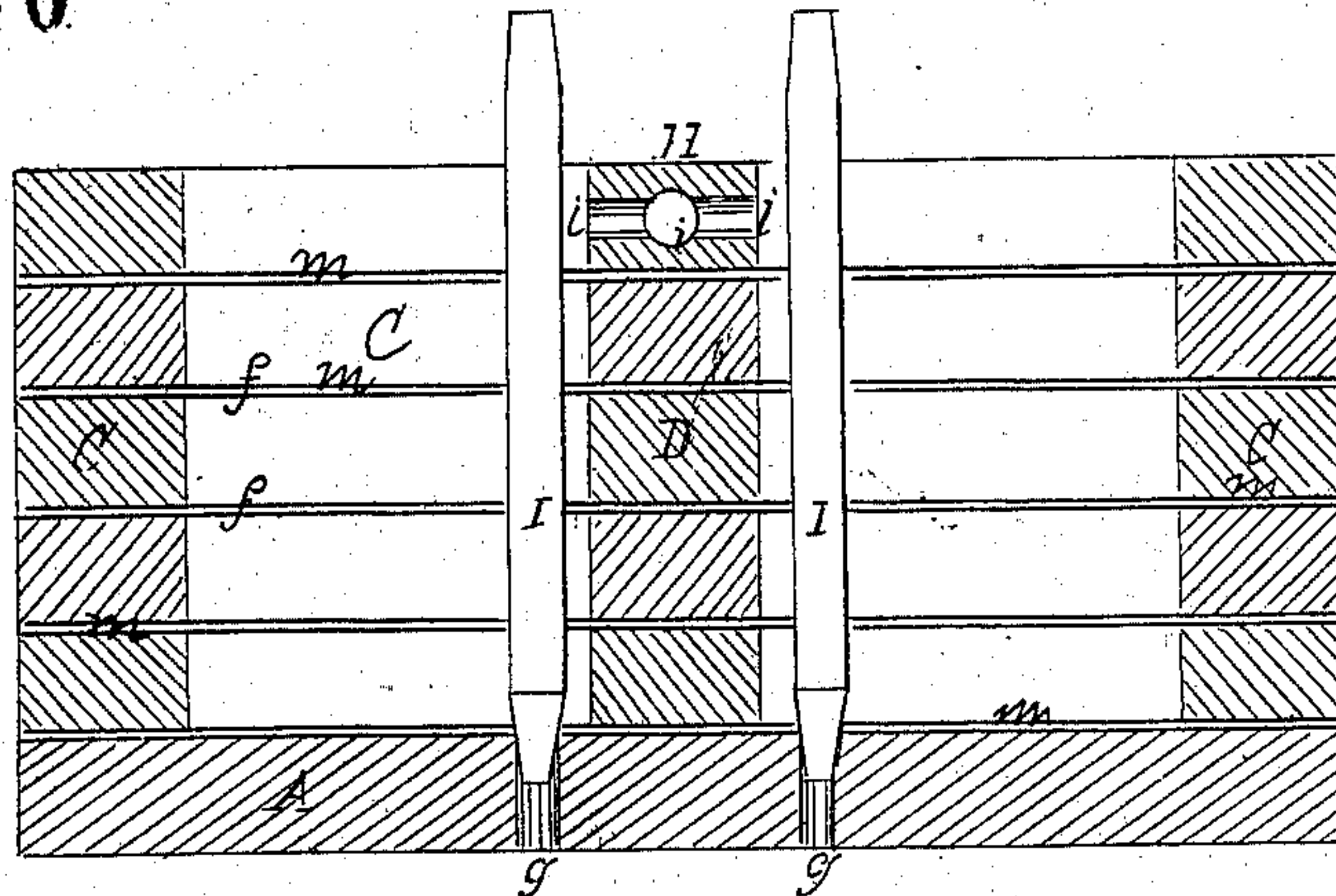
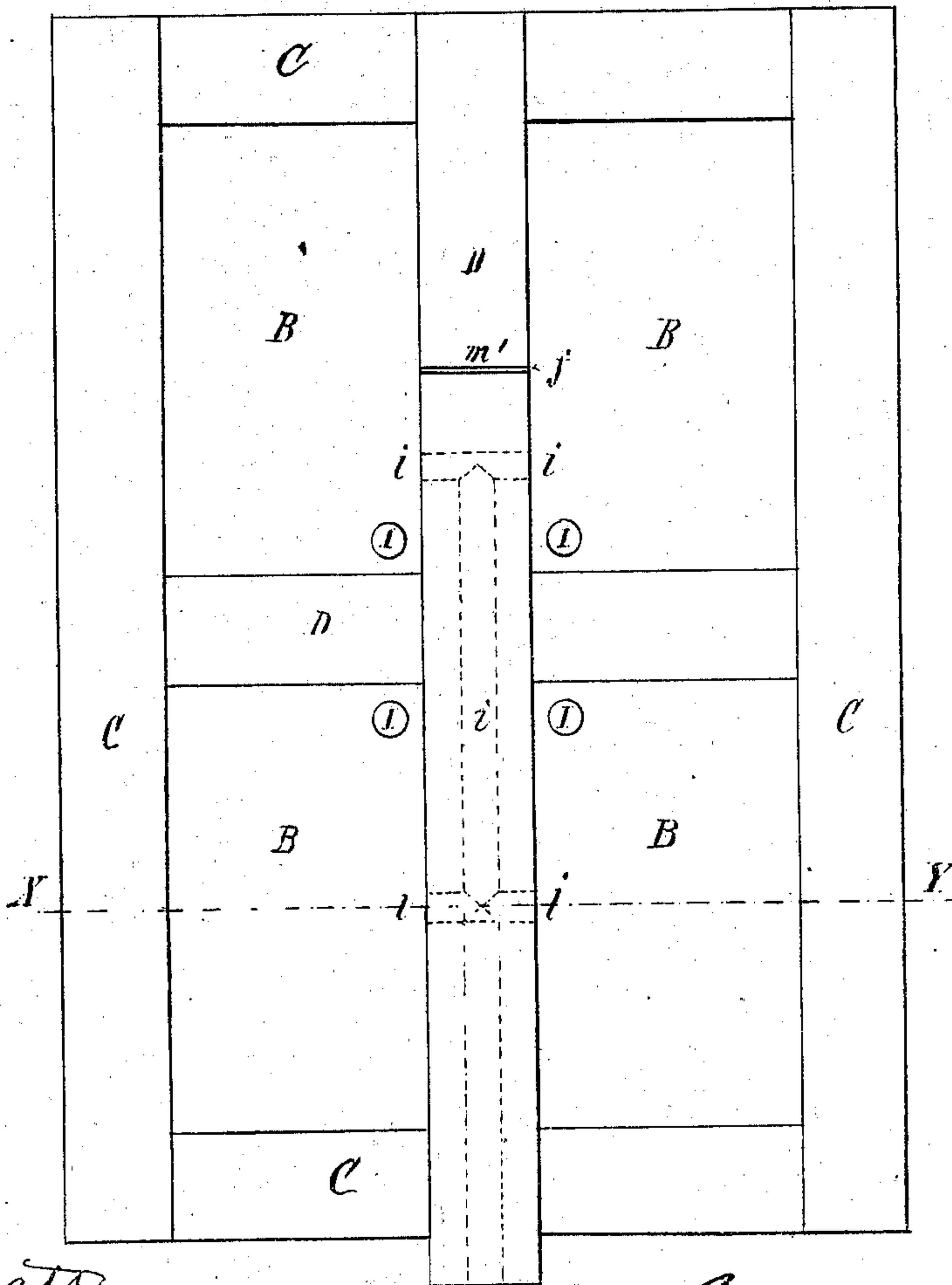


Fig. II.



Jay Mayatt.
P. H. Becker.

Witnesses.

Joseph Huber
Inventor

United States Patent Office.

JOSEPH HUBER, OF BUFFALO, NEW YORK.

Letters Patent No. 74,540, dated February 18, 1868.

IMPROVEMENT IN THE CONSTRUCTION OF TAN-VATS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH HUBER, of the city of Buffalo, county of Erie, and State of New York, have invented a certain new and useful Improvement in the Construction of Tan-Vats; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I is a vertical section on line X Y, Fig. II, and

Figure II is a plan view of my improved tan-vats.

The nature of this invention consists in constructing tan-vats of rough strips of board or plank, laid one upon the other, and nailed together with interposed packings of coal-tar and felt between every two strips, so as to produce a tight connection of the same, and thereby forming water-tight receptacles for tanning purposes, as hereafter described.

Like letters designate corresponding parts in both figures.

In the drawings, A represents the bottom, constructed in any suitable manner, of four vats, B B B B; C C are the outer or side walls, and D D two partitions, intersecting each other at right angles, forming the four compartments. These walls and partitions are formed of strips of board or plank, in a rough state, arranged one above the other, with an intervening strip, *m*, of felt, roughly coated on both sides with pitch or equivalent impervious substances. The strip of board H, forming the top of the longitudinal partition, has a cylindrical bore and side openings, *i i*, one for each vat, which are closed by any suitable device, and opened, when desired, so that the liquor, which is led from the leaches to the vats through the bore of the strip H, may be drawn into any vat desired. A discharge-opening, *g*, is made in the bottom of each vat, through which the liquor may be drawn off by releasing the stoppers or plugs I. A coating of coal-tar is first applied to the bottom of the vats, at the places where the walls and partitions are to be built up, then a strip of felt is laid on the coal-tar coating, and a rough strip of board or plank, of which the vats are constructed, and whose under side is also coated with coal-tar, is laid on to the felt strip, and firmly nailed to the bottom, the former perfectly filling the space between the bottom and the rough strip of board, thereby securing a perfectly tight connection of both. After that the same operation is repeated, that is, the rough strip of plank is coated with coal-tar at the top, a felt strip is laid upon it, and another strip of board, with the tarred under side laid upon the felt strip, and nailed to the lower strip of board; then the next strip of board is applied in the same manner, and so on until the walls and partitions forming the tan-vats reach the required height. If the strips of wood should not be long enough to answer the size of the vats, but require every layer to be composed of different strips, a tight connection of the latter, at their contiguous ends, is procured by the same packing as represented at *m'*, Fig. II. The bottom of the vats can be made also of rough strips of board or plank, laid down side by side, with the same packing interposed.

It is evident that my improvement furnishes a very cheap and expedient mode of constructing tan-vats, as the strips of board or plank used in the construction of them do not require any finishing, but are used in the very rough state they are in when cut, thereby saving a good deal of labor and dispensing with the skill required for constructing tan-vats in the ordinary manner. The vats are strong, durable, and perfectly tight.

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

A tan-vat, constructed of strips of board or plank laid up with coal-tar and felt-packing between the strips, and nailed together, in the manner and for the purpose substantially as described.

JOSEPH HUBER.

Witnesses:

JAY HYATT,

N. H. BECKER.