

No. 756,038.

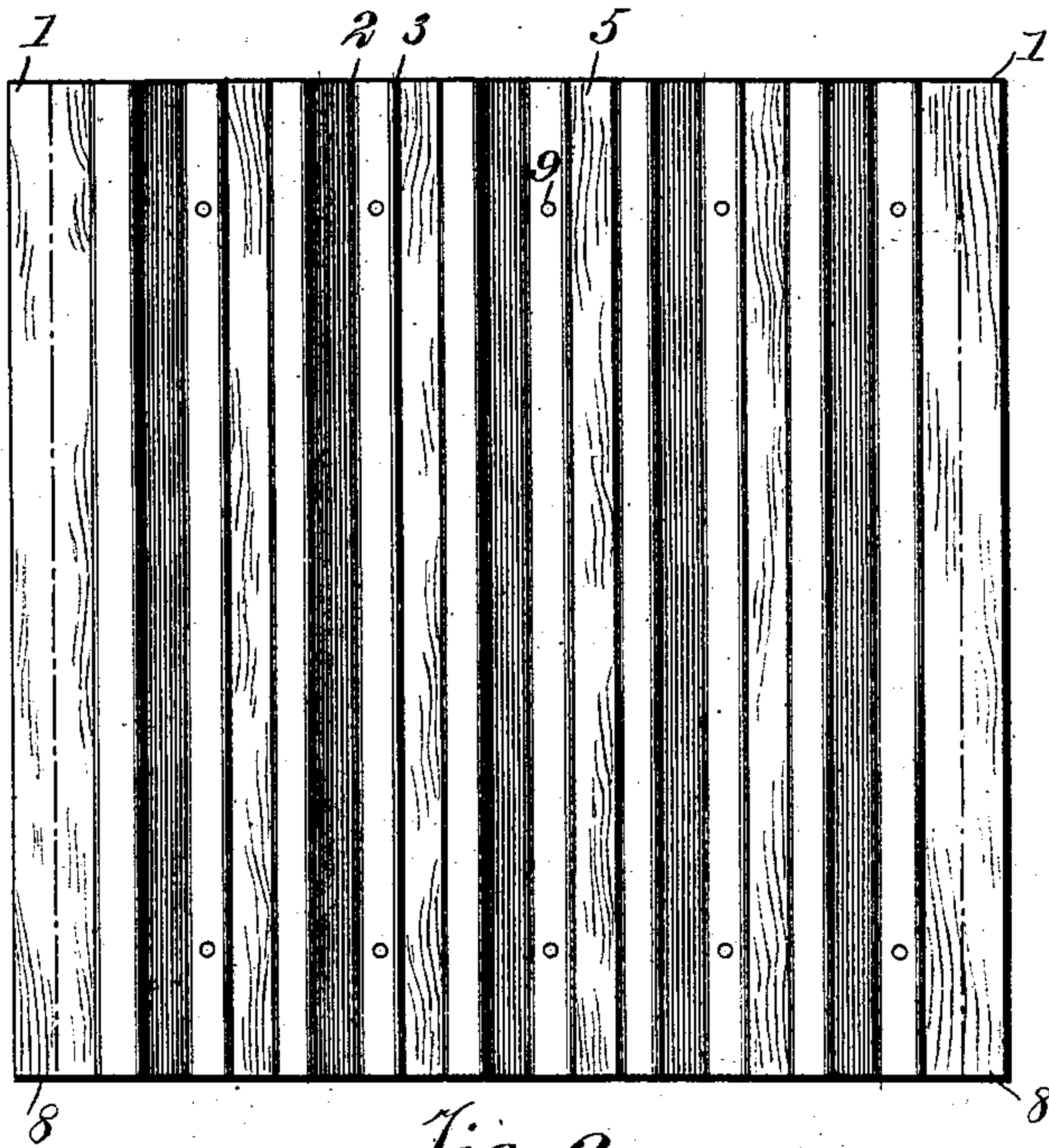
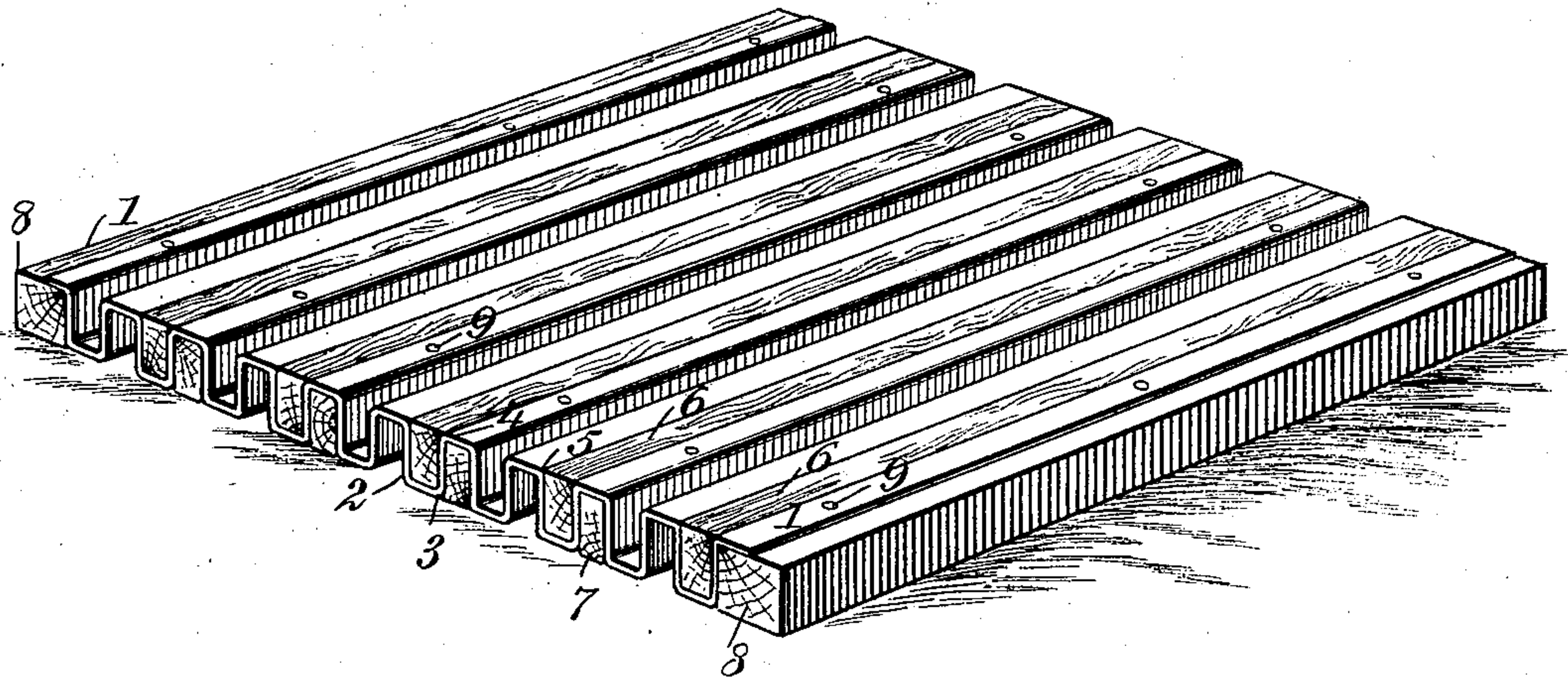
PATENTED MAR. 29, 1904.

A. MORRISON & A. MORLOCK.
PRESS RACK.

APPLICATION FILED MAR. 21, 1903.

NO MODEL.

Fig. 1.



WITNESSES:

A. R. Appleman
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Fig. 2.

INVENTORS

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UNITED STATES PATENT OFFICE.

ANGUS MORRISON, OF PHILADELPHIA, PENNSYLVANIA, AND ALBERT MORLOCK, OF NEW YORK, N. Y.

PRESS-RACK.

SPECIFICATION forming part of Letters Patent No. 756,038, dated March 29, 1904.

Application filed March 21, 1903. Serial No. 148,881. (No model.)

To all whom it may concern:

Be it known that we, ANGUS MORRISON, a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, and ALBERT MORLOCK, a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, citizens of the United States, have invented new and useful Improvements in Press-Racks, of which the following is a full, clear, and exact description.

Our invention relates to press-racks of the kind employed in presses of great power for the purpose of engaging bags or other receptacles containing crushed seeds, comminuted materials, offal, garbage, &c., to be subjected to pressure.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view showing our improved rack ready for use, and Fig. 2 is a plan view of the same.

A sheet of metal 1 is bent abruptly at right angles, as shown at 2 3 4 5 in Fig. 1, being folded back and forth upon itself and formed into the shape indicated, and slats or blocks of wood 6 7 are provided for the purpose of being inserted into the corrugations thus formed.

The slats 6 are disposed upon the upper surface of the sheet and the slats 7 upon the lower surface thereof, each slat being partially inclosed by the corrugation within which it is placed—that is to say, it exposes one of its faces, the other three of its faces being hidden by the metallic sheet. End pieces 8 are provided for the purpose of convenience in handling the rack and are made comparatively wide for the purpose of adding strength thereto. The rivets 9 are merely small nails which can be extracted at will, so that the slats 6 7 may be readily removed.

We preferably insert a plurality of slats 6 7 immediately adjacent to each other, as indicated in Fig. 1, so that the slats support each other, and the joint effect of the slats thus immediately grouped together and separated by the portion of the plate virtually forms a solid block, (see Fig. 2)—that is to say, the several

successive groups of slats separated by corrugations in which there are no slats amount, in effect, to a plurality of comparatively large blocks connected together by the sheet of metal. The side bars 8 are of a thickness double that of each slat in order that the smallest surface presented by the aggregate surface of a side bar 8 and a corrugation immediately adjacent may be equal to the surface presented by the other blocks.

As any number of the slats may be employed, the groups just described may be so arranged as to virtually form blocks of any desired width.

This rack is of great adaptability and also of great strength. By its use all obstruction of the flow of liquid from the substance to be pressed is obviated. When the slats are worn out or splintered, all that is necessary is to discard them one at a time, if need be, or all together, if desired. The plate of metal is easily formed and only costs a trifle.

It will be noted that the corrugated plate embodies to some extent the principle of the arch and that it is braced by any and all of the slats in contact with it.

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

1. A press-rack, comprising a sheet of metal provided with corrugations, and slats fitting into divers arbitrarily-selected groups of said corrugations and disposed immediately adjacent to each other, said slats and said corrugations together virtually forming solid blocks spaced apart.

2. A press-rack, comprising a sheet of metal, provided with corrugations, and slats disposed upon both sides of said sheet of metal, and fitting into said corrugations.

3. A press-rack, comprising a sheet of metal bent sinuously back and forth upon itself so as to form corrugations, and wooden slats fitting into said corrugations from opposite sides of said sheet of metal, said slats being substantially in the same plane with each other.

4. A press-rack, comprising a plate of sheet metal bent sinuously back and forth upon itself so as to form corrugations, wooden slats

inserted into said corrugations from opposite sides thereof and flush with the exposed surfaces of said corrugations, thereby virtually forming solid blocks connected by said sheet
5 of metal.

5. A press-rack, comprising a sheet of metal provided with corrugations, and slats fitting into divers of said corrugation so as to fill the same completely.

10 6. A press-rack, comprising a sheet of metal provided with corrugations, slats fitting into divers of said corrugations so as to completely fill the same, and detachable fastenings connecting said sheet of metal and said slats to-
15 gether.

7. A press-rack, comprising a sheet of metal bent sinuously back and forth upon itself so

as to form corrugations, and wooden slats fitting into said corrugations from opposite sides of said sheet of metal. 20

In testimony whereof we have signed our names to this specification in the presence of subscribing witnesses.

ANGUS MORRISON.
ALBERT MORLOCK.

Witnesses to the signature of Angus Morrison:

JNO. M. RITTER,
WALTON HARRISON.

Witnesses to the signature of Albert Morlock:

JNO. M. RITTER,
F. W. HANAFORD.