(Model.)

R. LAVERY.

Curb for Presses.

No. 231,821. Patented Aug. 31, 1880.

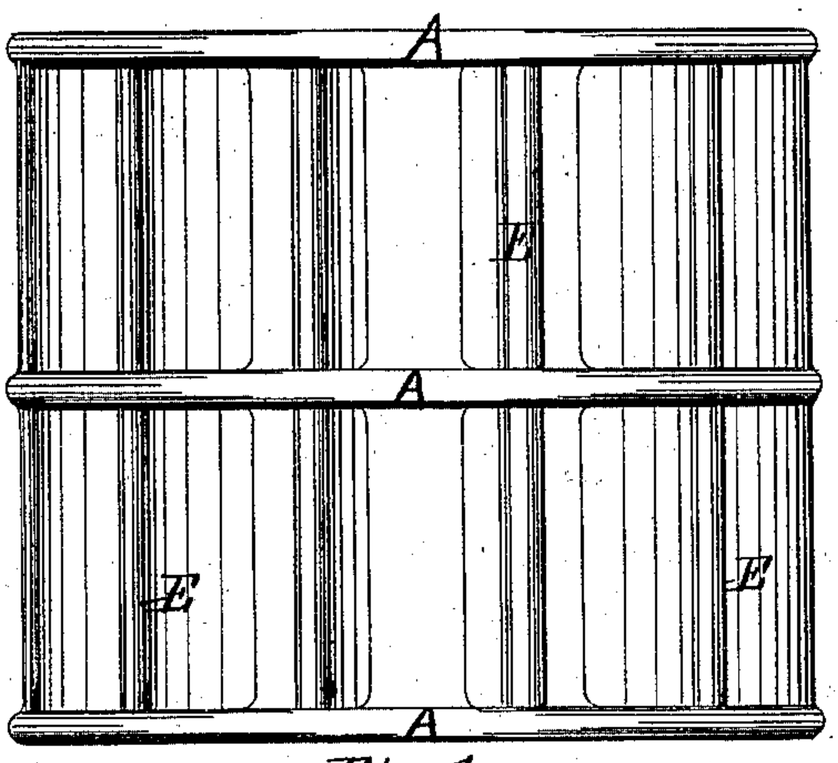

Fig. 1

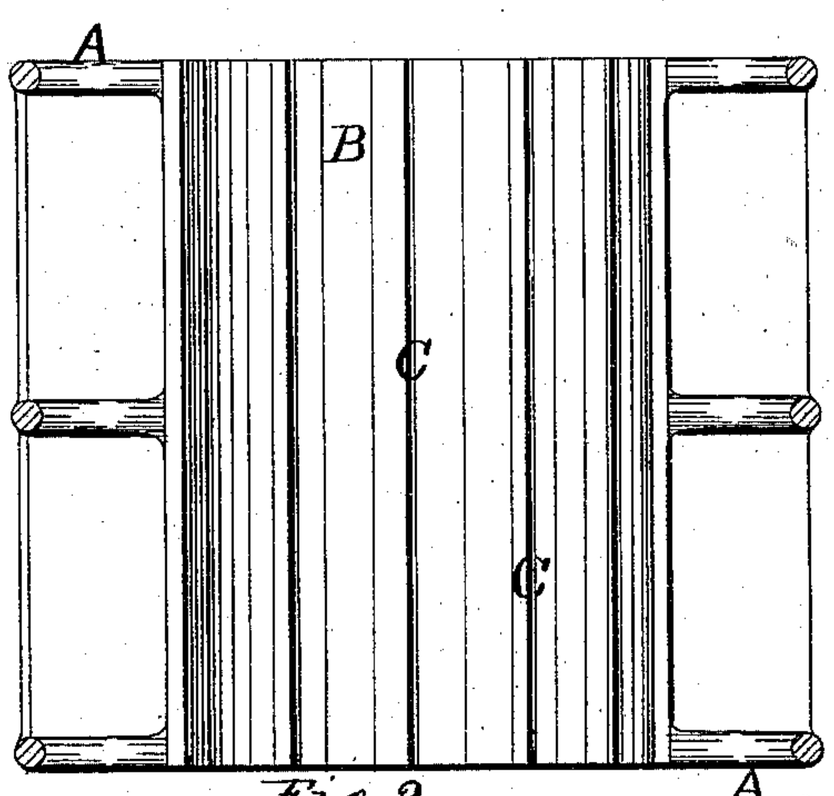

Fig. 2

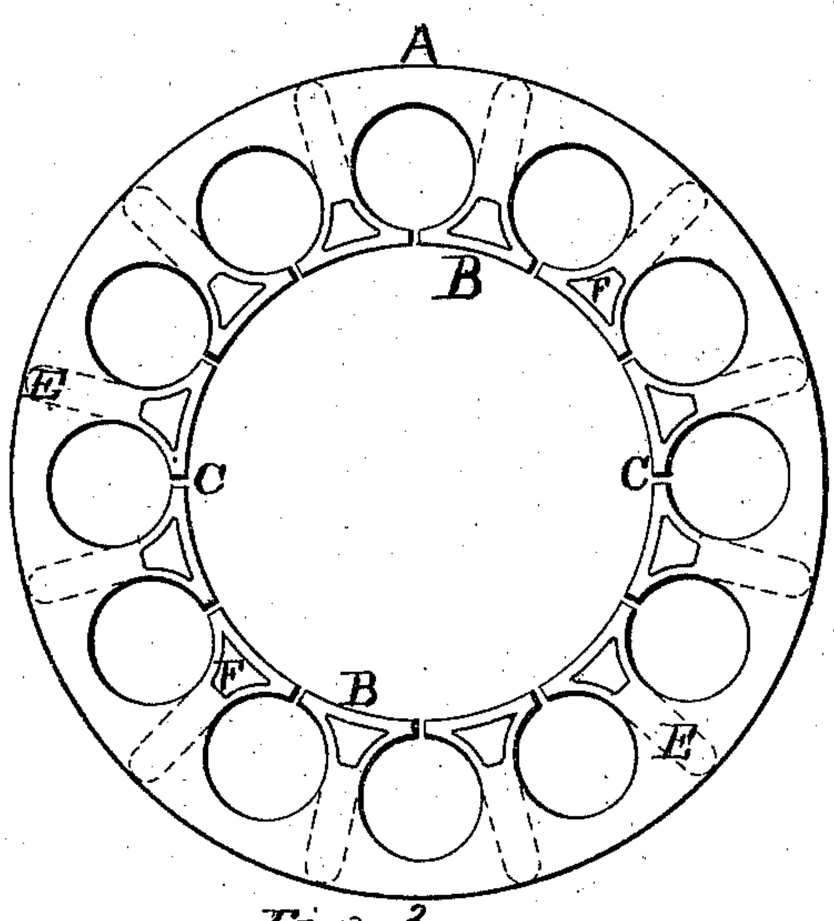

Fig. 3.

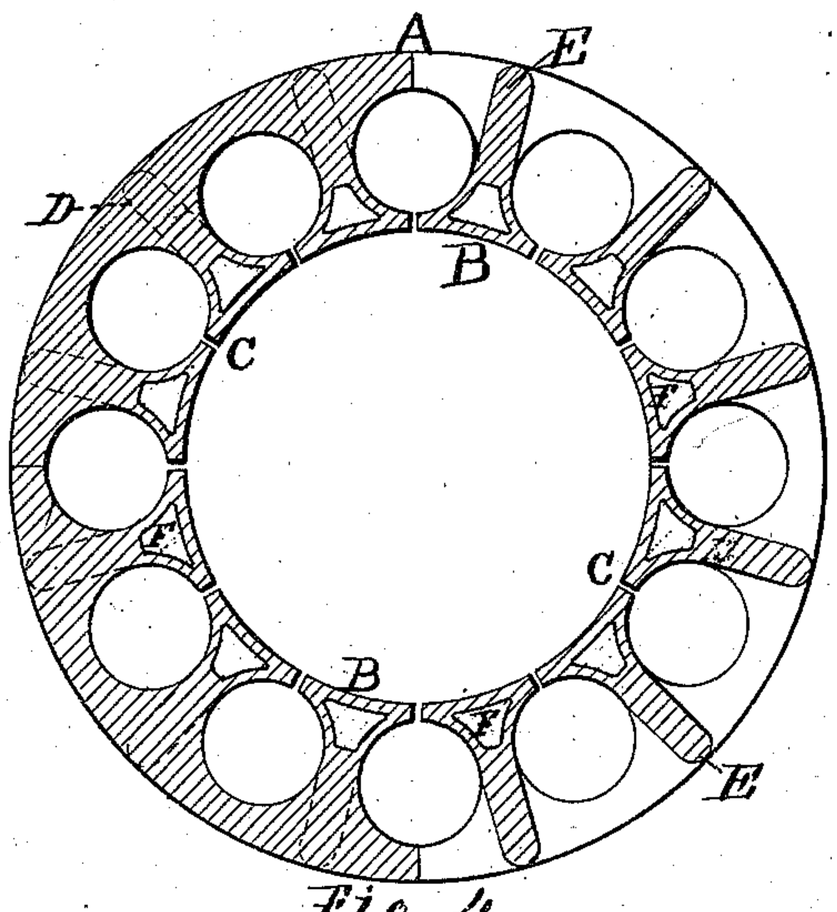

Fig. 4.

Witnesses
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UNITED STATES PATENT OFFICE.

RICHARD LAVERY, OF BOSTON, MASSACHUSETTS.

CURB FOR PRESSES.

SPECIFICATION forming part of Letters Patent No. 231,821, dated August 31, 1880.

Application filed July 16, 1880. (Model.)

To all whom it may concern:

Be it known that I, RICHARD LAVERY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Curbs for Presses, of which the following is a specification.

The usual method of constructing curbs for presses consists in riveting or bolting slats of metal or wood to metal bands, with spaces between each slat.

An objection to this mode of construction consists in the want of regularity or evenness of the openings between the slats, the effect of which is to allow of the entrance of solid matter. Another objection is the liability of the spaces where the bands connect with the slat and across the openings of the same to become clogged.

The object of my invention is to obviate these objections; and the invention consists of an inner cylindrical casing provided with slots extending vertically the whole length of the said casing, the uprights or portions between the slots being connected by means of webs to two or more horizontal rims surrounding the casing, between which rims is a series of ribs or supports, connected to or forming a part of the several portions of the casing, which are separated by the vertical slots, the whole, when made of metal, to be cast in one piece, or in sections to be fastened together.

Referring to the accompanying drawings, Figure 1 represents an elevation of my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a plan view, and Fig. 4 a transverse horizontal section.

B B represent the surface of the inner casing, composed of a series of uprights separated from each other by slots C, extending vertically through the length of the casing.

The uprights B B are connected by means of webs D to the rims A, which surround the casing, and of which there may be two or more.

At the rear of the center of the uprights B, and between each opening C, are ribs E, which serve as stays or supports to the uprights B and rims A.

It is my design to cast the whole in one piece, and the inner casing may be cast whole or with the slots C. When cast whole the slots C may be made by sawing out the slots or otherwise. The curb may be cast in sections bolted or otherwise secured together.

In pressing certain substances it is sometimes necessary to impart a certain degree of heat or of cold to the inner casing or surface of the curb, and for this purpose I provide at the rear of the uprights B hollow spaces F, extending partially or wholly through the entire length of the uprights, into which spaces steam or hot or cold water, or other heating or cooling medium, may be admitted, with suitable exits to admit of the circulation of the said heating or cooling medium.

By means of my invention I secure uninterrupted and even openings throughout the length of the curb for the passage of the expressed liquids, which openings are not liable to become clogged, and in case of any obstruction it may be easily removed.

For certain purposes the uprights B may be made of wood and bolted or otherwise fastened to the webs or rims.

What I claim as my invention is—

1. A curb for presses, composed of a series of uprights, B, separated by slots C, and connected by means of webs D to the outer rims A, substantially as and for the purpose set forth.

2. The combination, with the uprights B, of the webs D, the rims A, and the ribs or supports E, substantially as and for the purpose specified.

3. A curb composed of the slotted cylindrical casing B B, the webs D, rims A, and ribs E, all of metal and cast in one piece or in sections, as specified.

4. The combination, with the inner casing or surface of the curb, of openings or passages F, for the admission and exit of a heating or cooling medium, as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

RICHARD LAVERY.

Witnesses:

JOS. H. ADAMS,

EDW. S. COBB.