

J. K. Caldwell.

Brick Carrying Car.

N^o 75243

Patented Mar. 10, 1868.

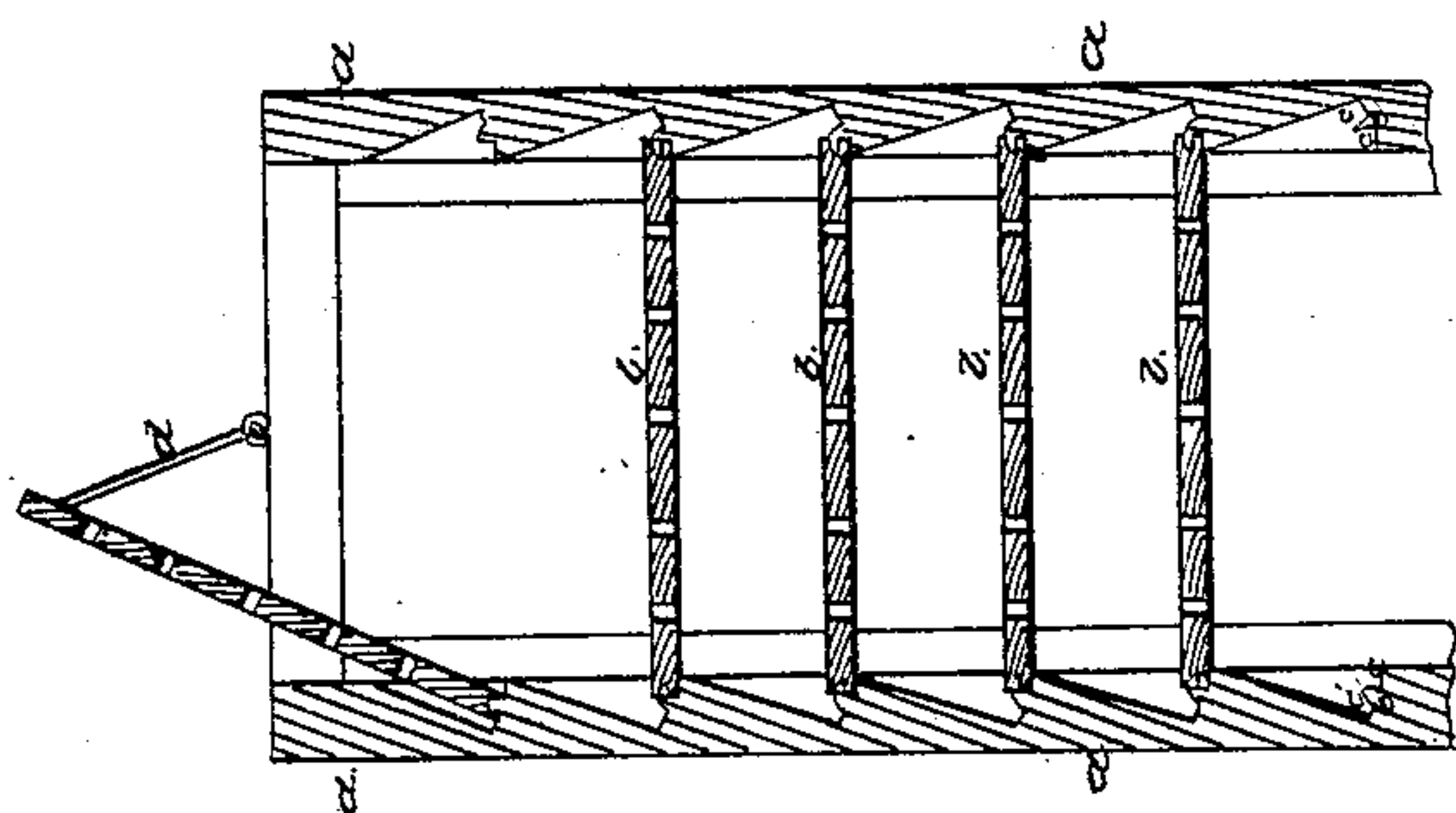


Fig. 2.

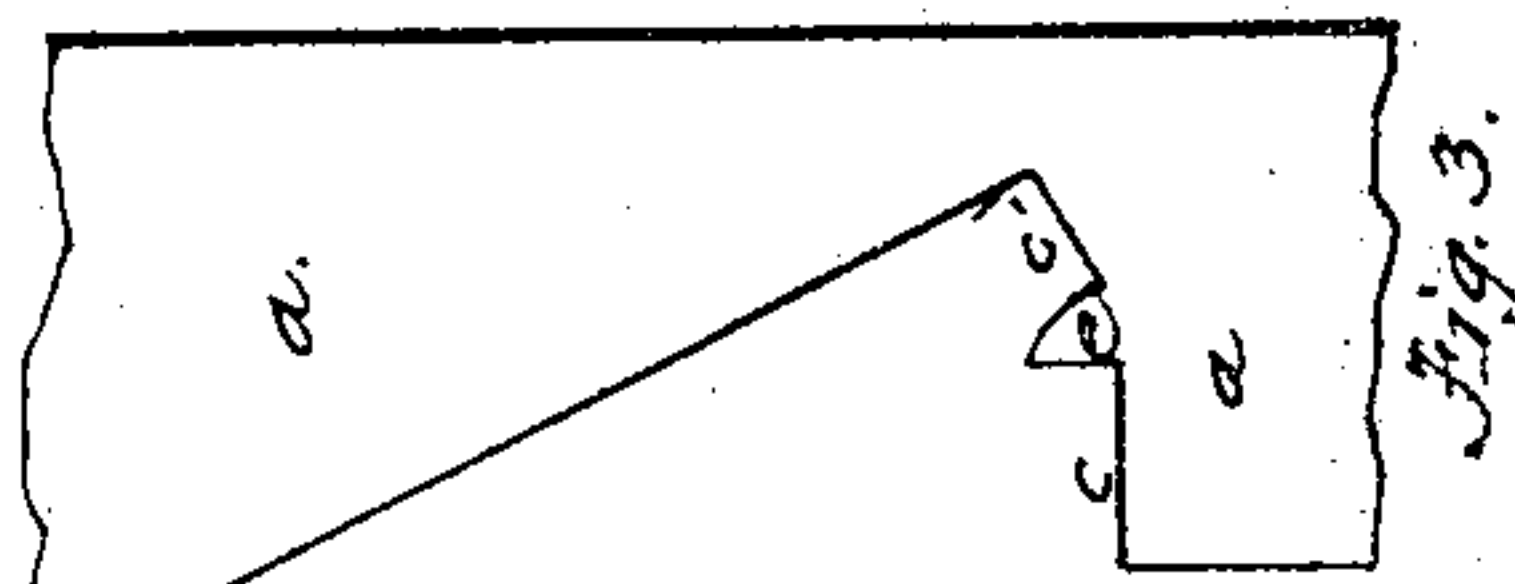


Fig. 3.

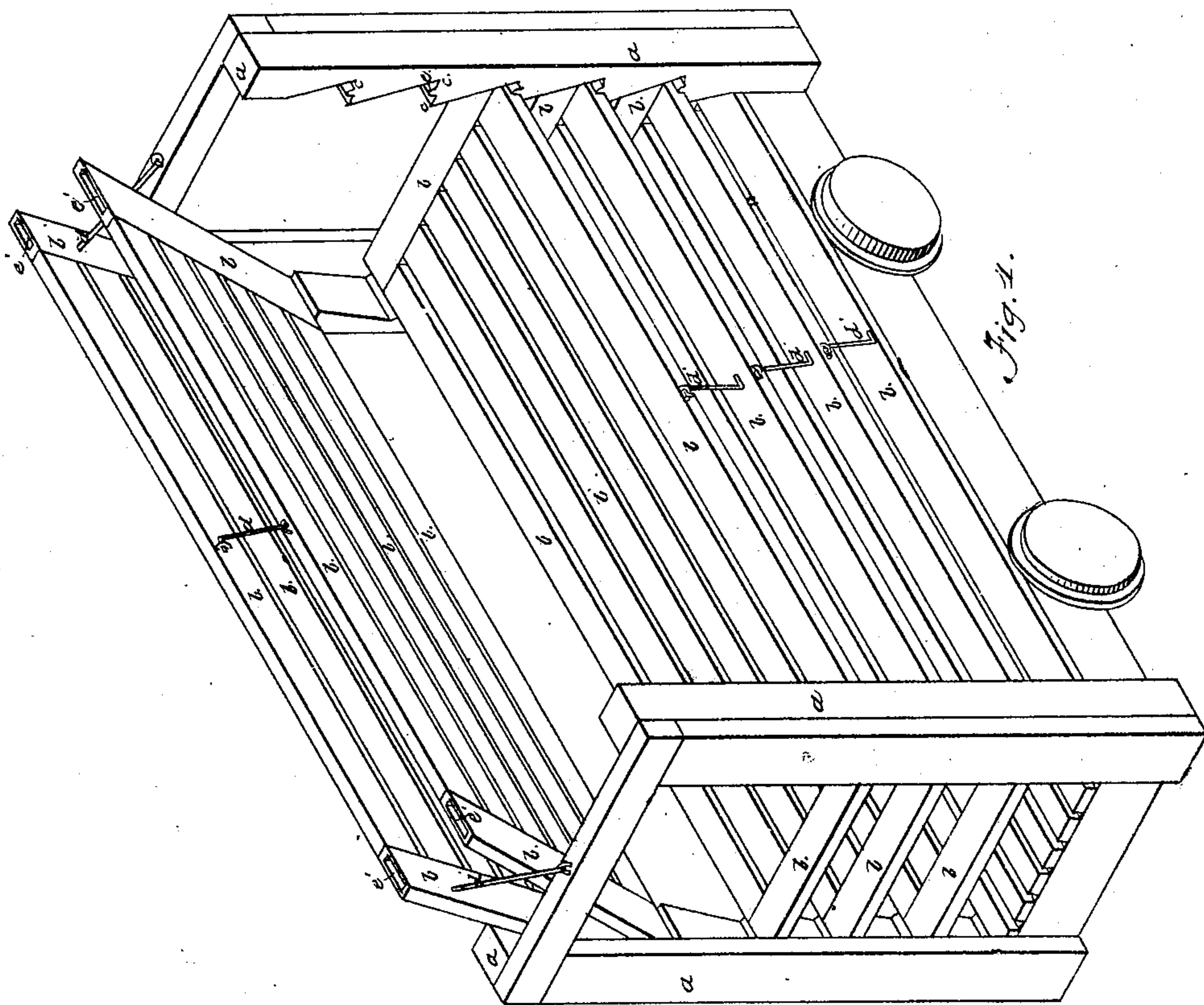


Fig. 4.

Witnesses:
W. D. Lewis
Flushing.

Inventor,
John K. Caldwell,
by Batewell & Christy,
his Attys.

United States Patent Office.

JOHN K. CALDWELL, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 75,243, dated March 10, 1868.

IMPROVED BRICK-CARRYING CAR.

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, JOHN K. CALDWELL, of the city of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented a new and useful Improvement in Brick-Bearing Cars; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 illustrates, in perspective, the construction of my improvement.

Figure 2 shows the shape of the supports and tables in a vertical cross-section, and

Figure 3 shows, by an enlarged view, the shape of the recesses in the supports.

Like letters of reference indicate like parts in each.

The nature of my invention consists in constructing vertical supports for the drying-tables of a brick-drying car, so that the tables may be turned up readily either way, at pleasure, for convenience of loading or unloading, and, at the same time, while being so turned up, shall be pivoted, by mortise and tenon, in such way that each upper table, when raised, will be entirely out of the way of loading or unloading the next lower table; and it further consists in giving to each table, whether raised or lowered, a flat bearing-surface, on which to be supported.

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

The upright supports *a*, I attach to a car-frame or truck of any suitable construction, but usually made low, for economy of room in the drying-oven or kiln. The inner face of each such support *a* is notched at intervals, to receive the tables *b*, the intervals being of such length that sufficient space will be left between each two tables *b* to receive a layer of bricks on their sides, edges, or ends, as may be preferred. The shape of each of these notches is shown in enlarged view in fig. 3, *c* being the ledge on which each table *b* rests when down, *c'* the incline on which the edge of the table rests when thrown up, and *e* the tenon on which each table *b* is pivoted by a mortise, *e'*, in the edge of the table. Then, when each table *b* is raised, as illustrated by the two highest tables in fig. 1, its lower edge, rolling over the tenon *e*, will be carried back from the ledge *c* to the incline *c'*, and so be more perfectly removed out of the way of loading or unloading the next lower table.

The angle which the incline *c'* makes with a horizontal surface may be varied, according as the tables are raised more or less nearly vertical, the object being to give an even surface, on which to rest the edge of each table *b*.

To load the car, I commence with the lower table, all the others being raised, and, to unload, commence with the upper table, and raise each table as it is unloaded.

The tables *b*, when raised, may be supported, in any convenient manner, by braces, *d*, or hooks, *d'*, or by other suitable well-known devices.

The tables *b*, I make of slats, as shown, with suitable openings between, for the free dissemination of hot air or steam between the bricks, or in other known way whereby the same result will be secured.

It will be observed that, as shown in the drawing, the tables *b* may fold over either way, or, if so preferred, only one way. They may, in like manner, be made to turn up at either or both ends, or at any desirable point between the sides or ends. In this way, I construct a car for drying brick, convenient for use, of moderate cost, durable, and economical of space.

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

1. A series of tables, *b*, resting and turning on recesses in the supports *a* in a brick-drying car, substantially as and for the purposes set forth.

2. In a brick-drying and bearing-car, the supports *a*, having ledges *c*, inclines *c'*, and tenons *e*, constructed and used substantially as and for the purposes set forth.

3. The combination of the tables *b*, supports *a*, ledges *c*, inclines *c'*, and tenons *e*, in a brick-drying car, when constructed and arranged as and for the purpose specified.

In testimony whereof, I, the said JOHN K. CALDWELL, have hereunto set my hand.

JOHN K. CALDWELL.

Witnesses:

A. S. NICHOLSON,

G. H. CHRISTY.