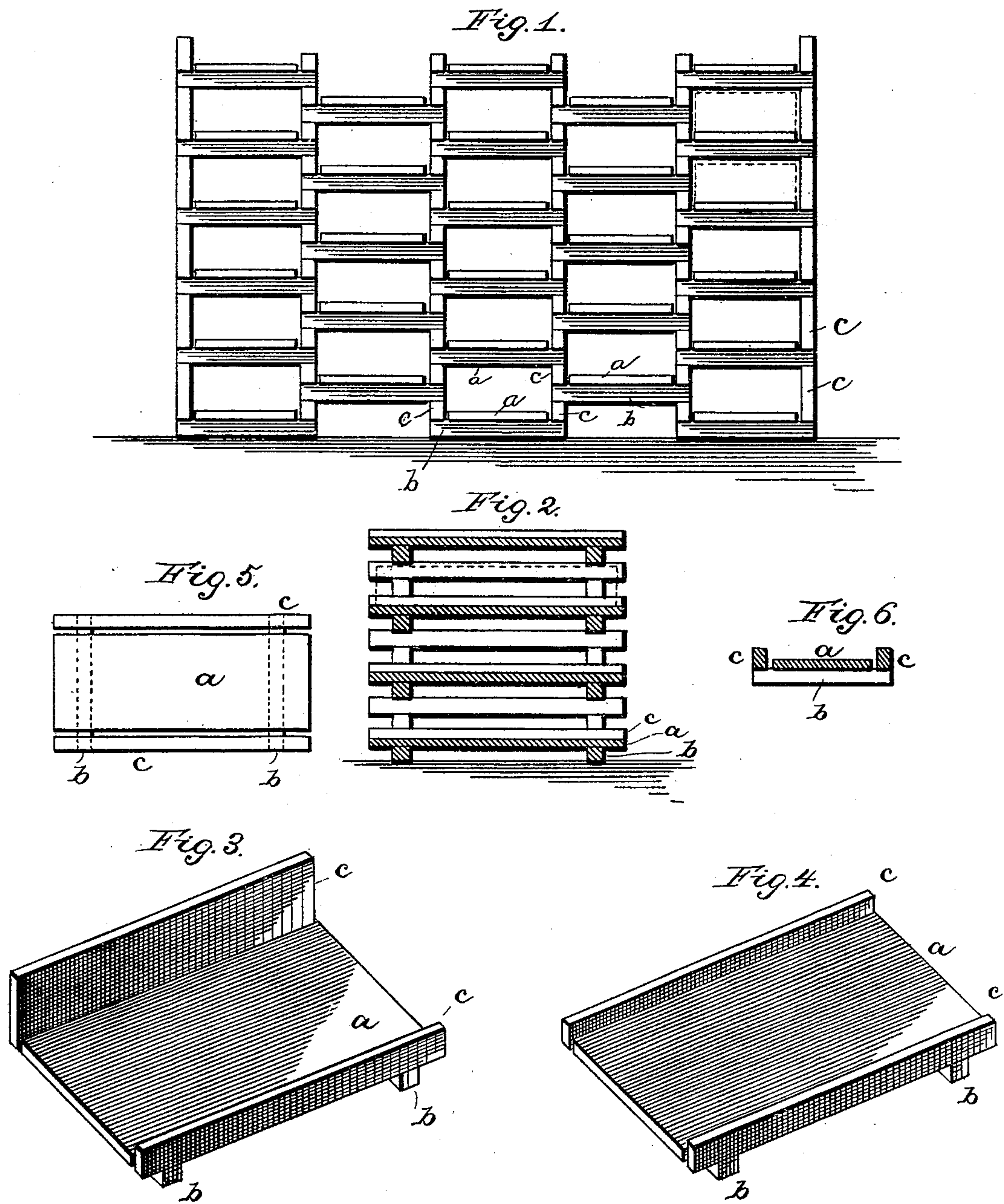


(No Model.)

L. J. WALKER.
MANUFACTURE OF TILES.

No. 266,562.

Patented Oct. 24, 1882.



Witnesses:

J. W. Garner,
O. S. D. Haines.

Inventor:
Lewis J. Walker,
by H. A. Snow,
Attorney

UNITED STATES PATENT OFFICE.

LEWIS J. WALKER, OF EAST LIVERPOOL, OHIO.

MANUFACTURE OF TILES.

SPECIFICATION forming part of Letters Patent No. 266,562, dated October 24, 1882.

Application filed January 30, 1882. (No model.)

To all whom it may concern:

Be it known that I, LEWIS J. WALKER, a citizen of the United States, residing at East Liverpool, in the county of Columbiana and State of Ohio, have invented certain new and useful Improvements in the Manufacture of Tiles, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to devices for drying bricks and tiles before they are burned in the kiln; and it consists in the construction and arrangement of its parts, as will be hereinafter fully set forth, and pointed out in the claims.

In the drawings, Figure 1 shows an end view of my tile-driers as arranged in tiers; Fig. 2, a vertical longitudinal section of a number of driers arranged one above the other. Figs. 3 and 4 are perspectives. Fig. 5 is a top plan view of one of the driers, and Fig. 6 is a vertical cross-section of the same.

In order to simplify the illustration of my invention, I will describe a single drier. It consists of a square or rectangular dry-board, *a*, having narrow strips *b b* secured squarely across its bottom side, near each end, and projecting an equal distance from each side from the edges of the dry-board, as shown in Fig. 6, and in dotted lines, Fig. 5. Secured to the outer portions of the projecting ends of the strips *b b* are vertical supports *c c*, an air-space being left between them and their dry-board, as shown in Fig. 5. By this method of attaching the supports so as to provide an air-space along the edges of the board a free circulation of air around the brick is secured when the driers are arranged in tiers.

In order to arrange the driers for use, the bricks to be dried are first placed upon the dry-board *a*, one or more bricks upon each board, as the size of the drier may provide. Two or more of the driers are then placed side by side upon the ground, or upon a prepared floor, a space separating them of equal width to a dry-board *a*. A drier is then placed over the space between the lower two, the ends of its strips *b b* resting upon the supports *c c* of the lower driers, as shown in Fig. 1. This arrangement of the driers can be multiplied at will, and thus any number of bricks can be dried in the section or tier. When a large number of these

driers are arranged in tiers it is provided that the outer supports, *c*, of the driers upon the ends of the tiers shall be of sufficient height to afford a horizontal support for the drier above, as shown in Figs. 1 and 3. The advantages secured by this construction and arrangement of the driers are that currents of air are permitted to pass along the top of the bricks through the open ends of the driers and along the sides of the bricks by reason of the ventilating-column formed by the spaces between the supports and edges of the dry-boards when the driers are arranged in tiers, as shown in Fig. 1.

I am aware of the patents to Moyer, No. 79,247, of June 23, 1868, and to Thomas, No. 241,754, of May 17, 1881, but do not claim such construction as my invention.

What I claim is—

1. In a drier for bricks or tiles, the rectangular dry-board *a*, having strips *b b* secured at right angles across its lower side, near each end, projecting from its edges, and provided with vertical supports *c c*, secured to the ends of the strips, a ventilating-space remaining between said support and dry-board, said driers being adapted to be arranged in tiers of three or more by placing two or more beside each other upon a level surface, separated by a space equal to the width of a dry-board *a*, and by placing a third drier over the space between the lower two, its strips *b b* resting upon the supports *c c*, substantially as shown and described.

2. A device for drying bricks and tiles, consisting of a dry-board, *a*, rectangular in form, and provided with sides *c*, secured to the outer ends of strips *b b*, secured to the lower side of the dry-board and projecting from the edges thereof, whereby a ventilating-space is left between the sides and the dry-board, the said sides *c* being adapted to serve as supports for adjoining driers when arranged in tiers, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

LEWIS J. WALKER.

Witnesses:

WM. G. MURDOCK,
C. R. ARNOLD.