

(No Model.)

H. C. MILLIGAN.

STOVE BOARD.

No. 273,582.

Fig. 1. Patented Mar. 6, 1883.

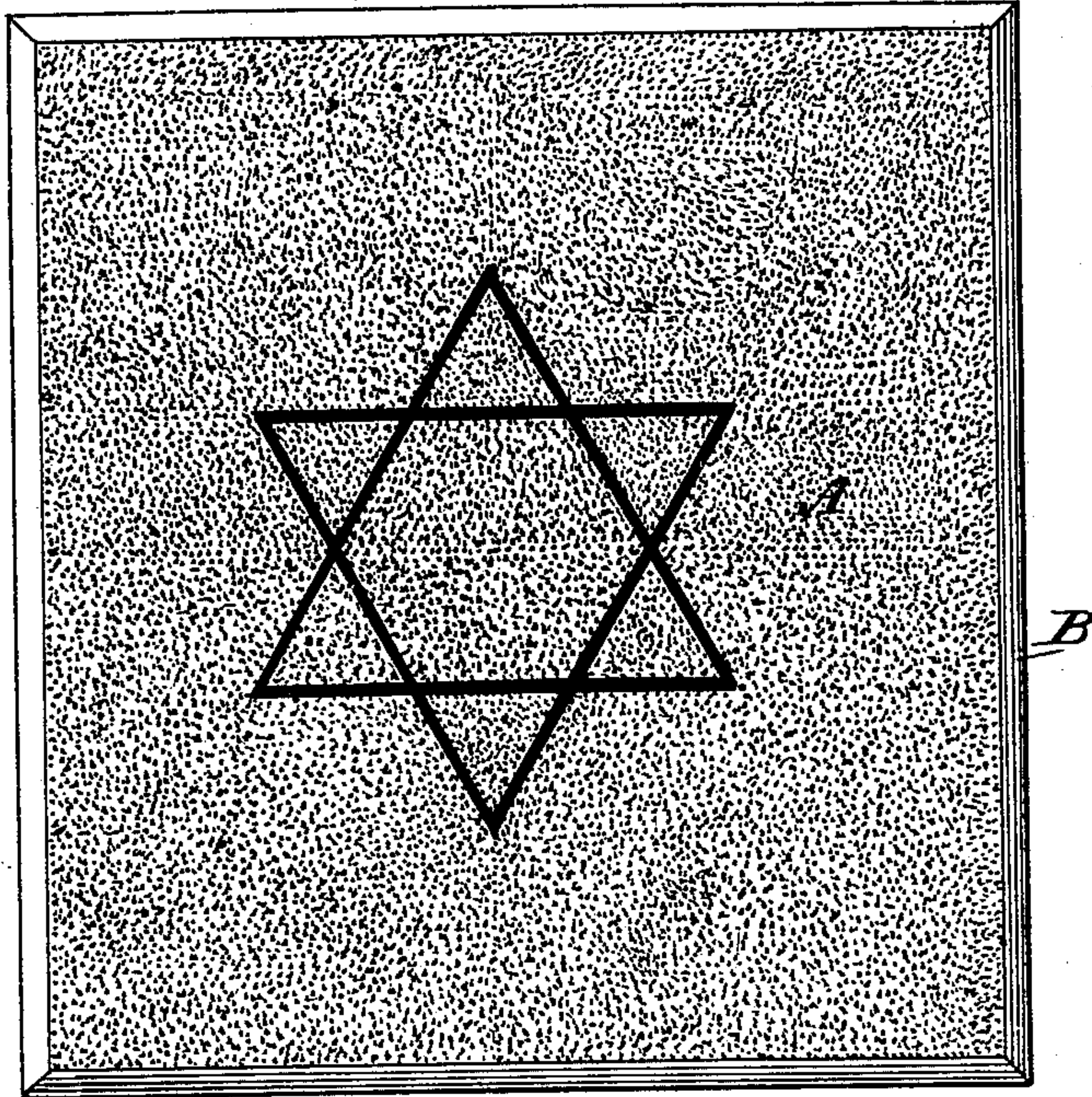


Fig. 2.

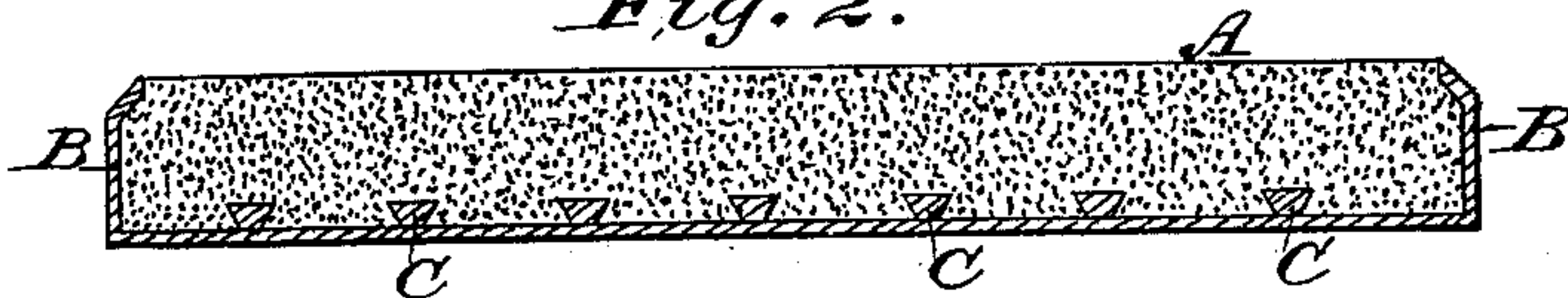


Fig. 3.



Fig. 4.

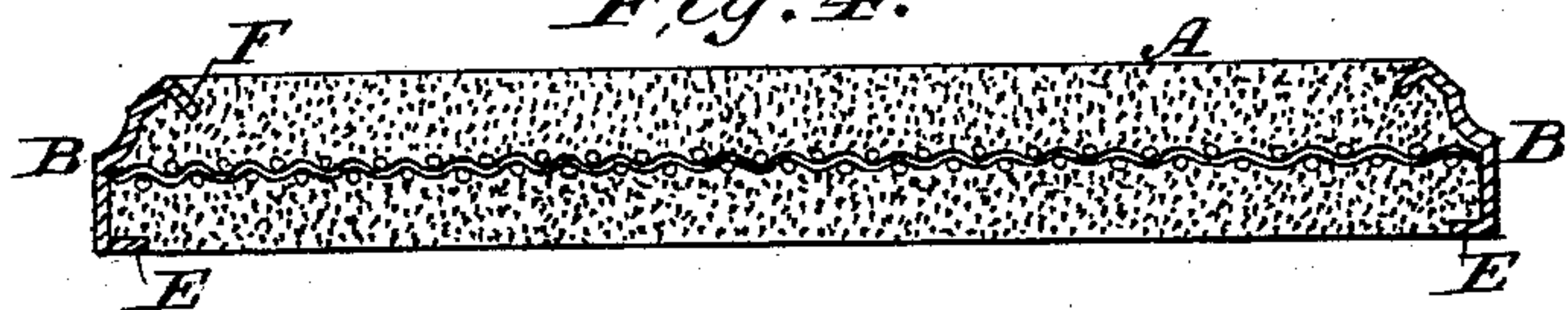
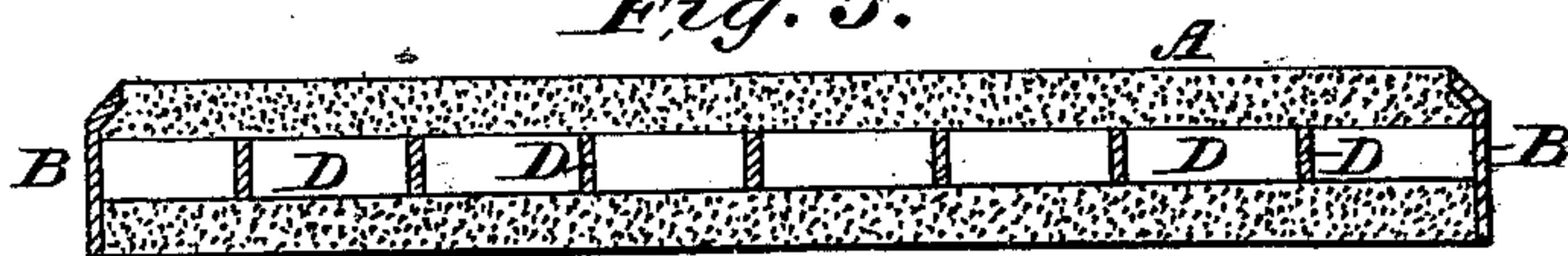


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY C. MILLIGAN, OF SOUTH ORANGE, NEW JERSEY, ASSIGNOR TO THE
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STOVE-BOARD.

SPECIFICATION forming part of Letters Patent No. 273,582, dated March 6, 1883.

Application filed January 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. MILLIGAN, a citizen of the United States, residing at South Orange, county of Essex, and State of New Jersey, have invented new and useful Improvements in Stove-Boards, of which the following is a specification.

My invention relates to certain new and useful improvements in what are known in the trade as "stove-boards."

It has for its object the construction of a cheap, durable, and highly ornamental structure, which shall at the same time be substantially fire-proof; and with these ends in view my invention consists of a stove-board composed of artificial stone or cement of any design or color, formed within and supported and confined by a surrounding rim or frame of metal or wood, and with or without a bottom, substantially as hereinafter fully explained.

My invention also consists in details of construction, hereinafter described, for insuring the retention of the stone or cement within the frame.

In the accompanying drawings, Figure 1 represents a plan view of one of my improved stove-boards; Fig. 2, a cross-section of the same; Fig. 3, a similar view, showing another means for holding the cement in place; Fig. 4, a similar view, showing a modification of the surrounding and confining frame, and illustrating an intermediate binder composed of wire-gauze; and Fig. 5, a cross-section showing an iron grating arranged within the cement in lieu of the pins, dovetails, or gauze shown in the other figures. I have illustrated the several means shown in the drawings to indicate that a large variety of means may be employed to strengthen and support or concrete the artificial stone or cement without departing from the spirit of my invention.

Similar letters indicate like parts in the several figures.

A represents a body composed of artificial stone or cement, which I cast within a binding and supporting frame, B, the upper edge or sides of which are turned inwardly, as clearly shown in the sectional views, to prevent vertical movement or displacement of

the body, in an obvious manner, and, in addition to the inwardly-turned edges of the frame, I provide dovetail strips C, as seen at Fig. 2, or headed or roughened pins, as seen at Fig. 3, or wire-gauze, as illustrated at Fig. 4, or a grating, as seen at D, Fig. 5. The frame B may be formed with a bottom, as shown at Figs. 2 and 3, or with a narrow flange, as seen at E, Fig. 4.

At Fig. 4, I have shown a peculiar construction of frame which I have found particularly advantageous, and which consists in turning the upper edge downwardly in an oblique line below the plane occupied by the top surface of the body A, so as to form a double key to hold the body in place.

Of course, in the formation of my improved stove-board any desired color may be given to the body, and any special design may be adopted, and it will also be understood that the general contour of the surrounding frame may be varied to suit the fancy of the market.

I am aware that stove-boards *per se* are not new, and I am also aware that artificial stone made in any desired shape and color is not new, and that stove-boards have been made composed of a metallic frame provided with dead-air chambers, and an upper receptacle filled or finished off with asbestos, cork, plaster, or other non-conducting material, and that metallic shells spun or otherwise formed have been filled from the under side with non-conducting material; but I am not aware that it has ever been suggested prior to my invention to form an ornamental non-conducting board of artificial stone or cement having a surrounding and supporting metallic or other rim or frame projecting over and confining at the edges the contained stone or cement in place. This novel feature of construction is essentially important and necessary in such heavy boards, for the reason that the stone or cement is very liable to become displaced in transportation and handling.

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

1. As a new article of manufacture, a stove-board composed of artificial stone or cement confined and surrounded at its upper edges by an inwardly-projecting ornamental sup-

porting rim or frame, substantially as shown and described.

2. The surrounding and confining frame B, having its upper inwardly-projecting edge
5 turned obliquely downward below the upper horizontal plane, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HENRY C. MILLIGAN.

Witnesses:

D. D. OTIS,

ARTHUR C. WEBB.