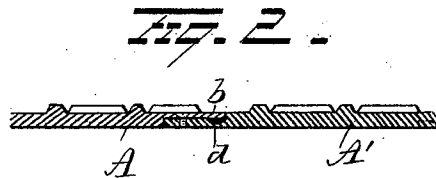
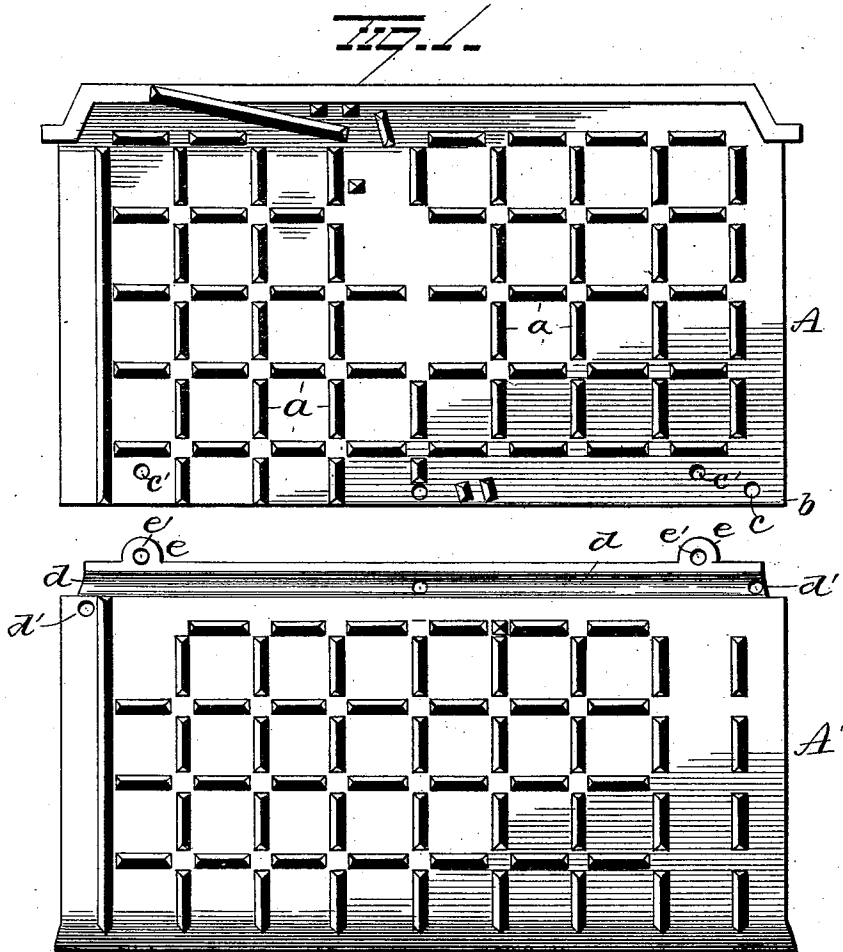


(No Model.)

J. BROWNBACK.
OVEN PLATE.

No. 465,424.

Patented Dec. 15, 1891.



Witnesses
E. Nottingham
G. F. Downing

Inventor
James Brownback
R. H. Adams
Attorney

UNITED STATES PATENT OFFICE.

JAMES BROWNBAC, OF LINFIELD, PENNSYLVANIA, ASSIGNOR TO THE
MARCH-BROWNBAC STOVE COMPANY, OF SAME PLACE.

OVEN-PLATE.

SPECIFICATION forming part of Letters Patent No. 465,424, dated December 15, 1891.

Application filed June 23, 1891. Serial No. 397,179. (No model.)

To all whom it may concern:

Be it known that I, JAMES BROWNBAC, a citizen of Linfield, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Oven-Plates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in stoves, and more particularly to an improved oven-plate, its object being to provide an oven-plate made in two parts and secured together by means of an expansion-joint.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view of my improved oven-plate. Fig. 2 is a view on the line xx of Fig. 1.

A A' indicate two sections of the oven-plate, each being provided on its top face with ribs or projections a , on which a pan or other article may rest, and by means of which said article may be prevented from coming into contact with the face of the plate, whereby a current of air will be permitted to circulate between the pan or other article and the plate.

The section A of the plate is provided at one edge with a ledge b , and through this ledge perforations $c c'$ are made for the reception of securing-pins, as presently explained.

The section A' of the plate is provided at or near one edge with a groove d and perforations d' . Projecting from the edge of the part A' is a series of two or more ears e , having perforations e' , which, when the plates are placed together, align with the perforations c' of the ledge b of the plate A. The plates A A' being put together, pins are inserted through the perforations $c d'$ and $c' e'$, thus securing the two plates together. The groove

d will preferably be filled with cement, thus further insuring the security of the joint.

By making the meeting edges of the plates thin they are thereby rendered more susceptible to expansion and contraction than the thicker body of the plate, and thus it will be seen that the plates are less liable to crack or break than where the plate is made of a single piece of metal.

By constructing an oven-plate as above described an expansion-joint between the two sections will be provided, and a plate will be produced, which will be very simple in construction and easy to manufacture.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As an article of manufacture, an oven-plate made in sections, one section provided with a ledge on one of its edges, and one section provided with a groove near one edge, said groove adapted to be overlapped by the ledge and the parts adapted to be secured together, substantially as set forth.

2. As an article of manufacture, an oven-plate composed of sections, said sections made thin at their adjacent edges, one edge provided with a groove, and the two adapted to be secured together with the groove between them, substantially as set forth.

3. An oven-plate made in two or more sections, one of said sections being provided with a ledge and the other section having a groove near its meeting edge, ears on the latter-named section, and pins adapted to pass through perforations in the ledge of one section and the ears of the other section, substantially as set forth.

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

JAMES BROWNBAC.

Witnesses:

T. J. LEACH,
J. CALVIN BARLOW.