

J. L. HUTCHINSON.

STOVE-LINING.

No. 173,640.

Patented Feb. 15, 1876.

FIG. I

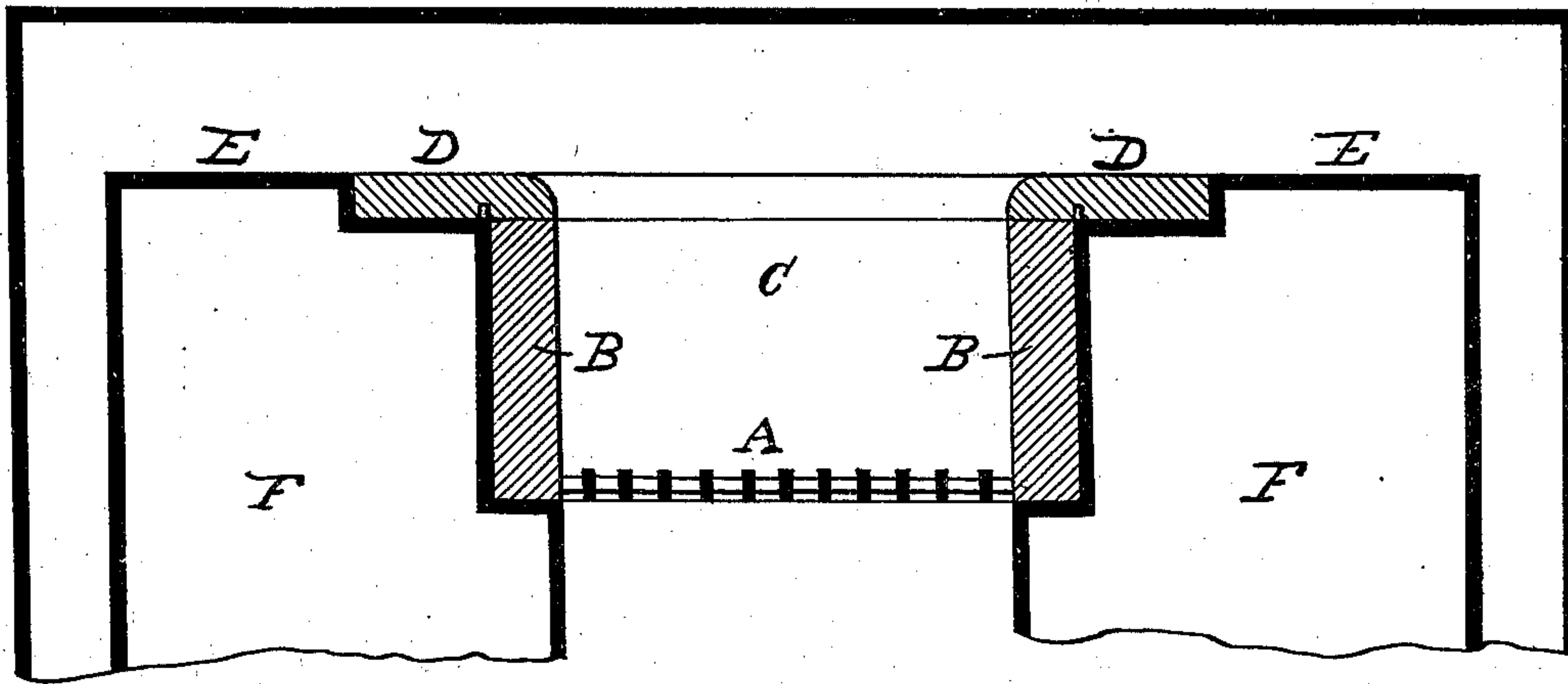
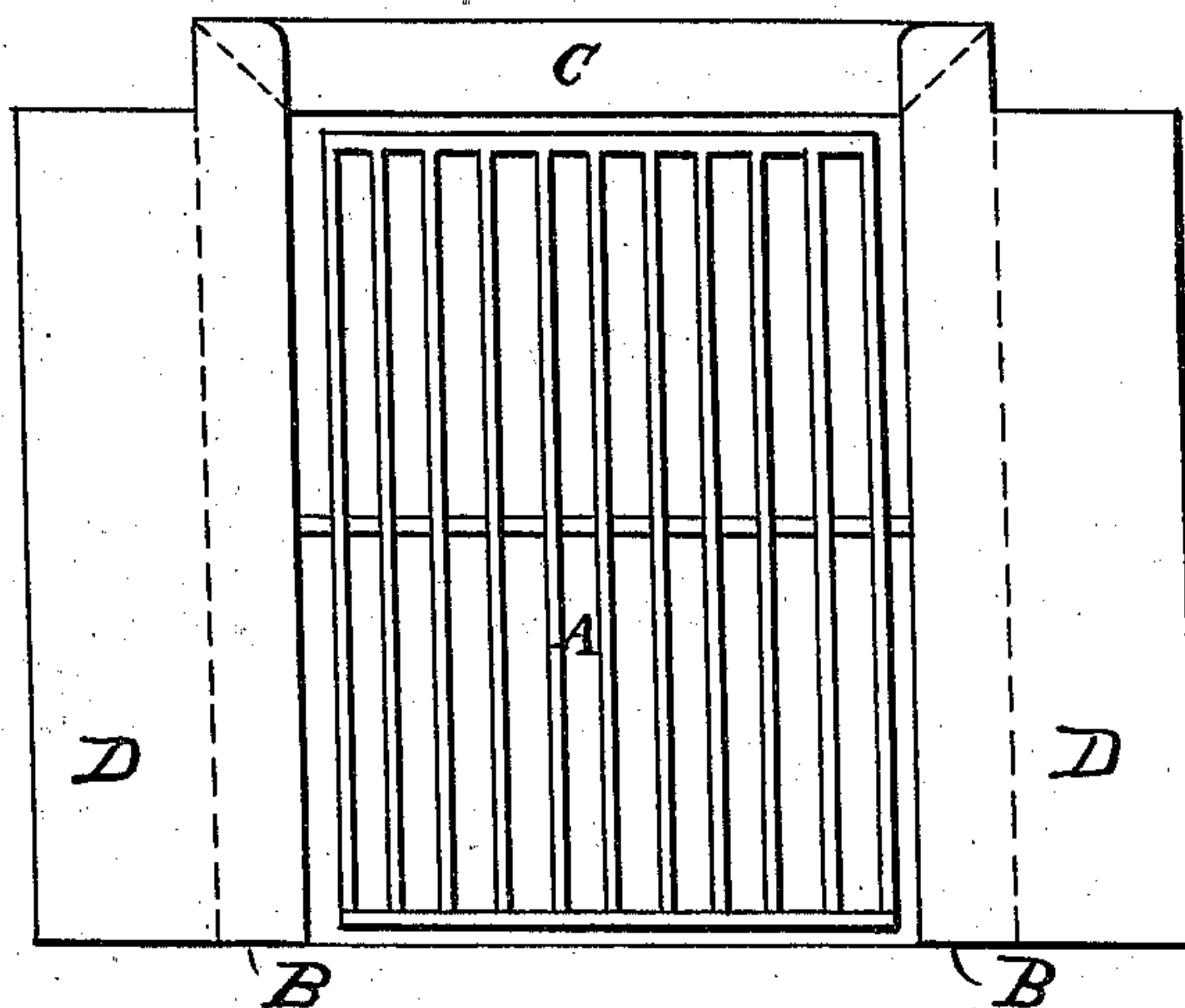


FIG. II



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

JESSE L. HUTCHINSON, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN STOVE-LININGS.

Specification forming part of Letters Patent No. **173,640**, dated February 15, 1876; application filed January 24, 1876.

To all whom it may concern :

Be it known that I, JESSE L. HUTCHINSON, of the city of Baltimore and State of Maryland, have invented certain new and useful Improvements in Stove and Range Linings, of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawing and to the letters of reference marked thereon.

My invention relates to a peculiar construction and arrangement of the blocks of soap-stone, fire-brick, or other conducting material usually employed to line stoves, ranges, &c., to protect the metallic plates surrounding the fire, and those forming the sides of the oven, from becoming injured by overheating; and consists in adapting the horizontal bricks, or those recessed into the plates forming the top of the oven, or other part of the stove or range, to lap over and cover the spaces existing between the upright fire-bricks and the adjacent plates, as hereinafter fully described.

In the further description of my invention which follows, due reference must be had to the accompanying drawing forming a part of this specification, and in which—

Figure 1 is a cross-section of a portion of a range illustrating my invention, and Fig. 2 a plan of a part of the range, with the upper portion or plate removed, in order to show the arrangement of the bricks.

Similar letters of reference indicate similar parts of the invention in both the views.

A is the grate, and B, B, and C the upright fire-bricks surrounding the same. The bricks

B B are adjacent to the plates forming the sides of the ovens, and serve to protect the said plates from becoming overheated. D D are the horizontal bricks resting within depressions in the plates E, which form the tops of the ovens F. In the usual arrangement of fire-bricks in stoves and ranges, the spaces which necessarily exist between the side bricks and the stove-plates are uncovered and become filled with ashes, which pack tightly therein, and force the bricks from their places, causing them to break when expanded by the heat from the fire. In my invention, the bricks D cover the spaces existing between the bricks B and the sides of the ovens, and thus prevent the entrance thereto of ashes, as aforesaid, and admit of the arranging of the bricks with sufficient space between them and the plates of the stove to allow of any alteration in their shape by warping, when subjected to heat from the fire, as aforesaid.

Having thus described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

The upright fire-bricks B, B, and C, and overlapping horizontal bricks D, combined with depressed stove-plates, adapted to receive said bricks, substantially as and for the purpose specified.

In testimony whereof I have hereunto subscribed my name this 20th day of January, in the year of our Lord, 1876.

JESSE L. HUTCHINSON.

Witnesses:

W. H. HAYWARD,
S. R. THOMPSON.