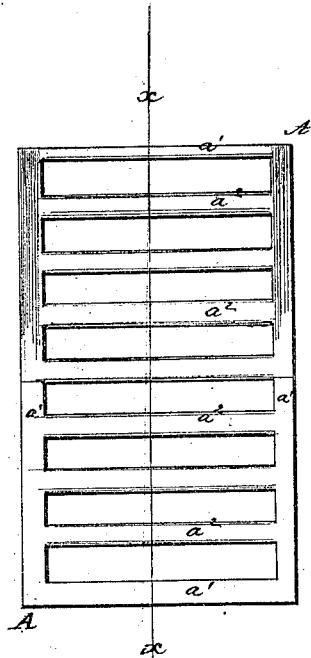


E. A TUTTLE.  
Fire-Pot for Stove.

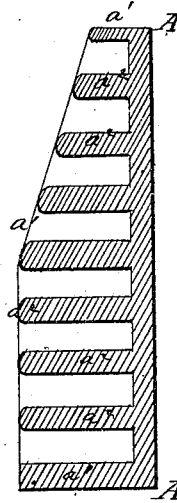
No. 109,080

Patented Nov. 8, 1870.

*Fig. 1*



*Fig. 2*



Witnesses:

A. W. Almqvist  
Alex. L. Roberts

Inventor:

E. A. Tuttle

PER

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# United States Patent Office.

EDWARD A. TUTTLE, OF WILLIAMSBURG, NEW YORK.

Letters Patent No. 109,080, dated November 8, 1870.

## IMPROVEMENT IN IRON LININGS FOR FIRE-POTS.

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, EDWARD A. TUTTLE, of Williamsburg, in the county of Kings and State of New York, have invented a new and useful Improvement in Iron Block-Lining for Fire-Pots; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a front view of one of my improved iron blocks for lining fire-pots.

Figure 2 is a vertical section of the same, taken through the line *z z*, fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish improved iron blocks for lining the fire-pots of stoves, heaters, furnaces, &c.; and

It consists in the iron ribbed or recessed blocks, made in the general form of fire-brick, so as to be placed in and fit into the fire-pot, in the manner of fire-brick, as hereinafter more fully described.

A represents the blocks, which are cast of a breadth, height, and general form of fire-brick; that is to say, of such a form and size as the form and size of the fire-pot into which the said blocks are to be placed may require. This construction of the lining guards it from being cracked by the heat, as each block A can expand or contract as the heat contiguous to it may affect it.

The plate that forms the back of the block A is

made with inwardly-projecting flanges, *a'*, along its top, bottom, and side edges, and with horizontal or vertical cross-ribs, *a''*, across its face, as shown in figs. 1 and 2, the face of the block A thus presenting a series of deep recesses, in which the ashes lodge, and protect the iron from the intense heat of the fire.

The forward edges of the flanges *a'* and ribs *a''* being narrow, present only a small surface to the coals, so that clinkers will not adhere to them.

The upper parts of the blocks A, where the heat will not be so intense, may be made thinner than the lower part, to give a little more space for the coals; but this is not essential.

Having thus described my invention,

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

As an article of manufacture, for lining fire-pots, the iron block A, having flanges *a'* attached to the back-plate thereof, and ribs *a''* across its face, whereby narrow points only are presented to the clinkers, and a series of recesses are formed to receive the ashes and protect the plate from intense heat, the outline of the block being made to correspond in shape to the internal form of the fire-pot, as set forth.

The above specification of my invention signed by me this 7th day of February, 1870.

EDWARD A. TUTTLE.

Witnesses:

GEO. W. MABEE,  
JAMES T. GRAHAM.