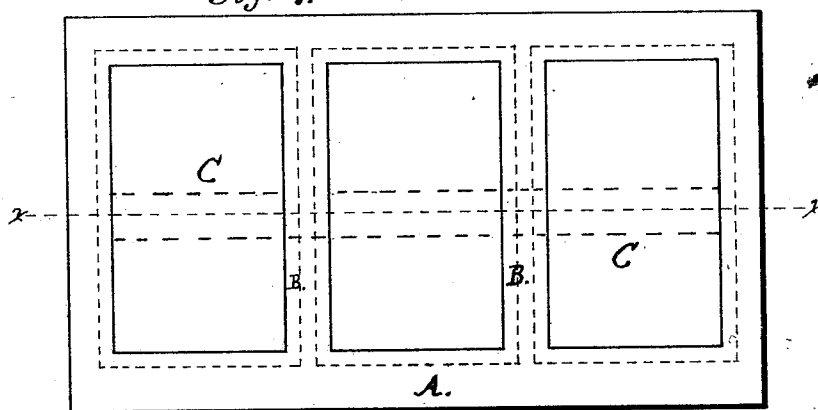


W. T. BRADBERRY.  
Fire-Back.

No. 218,616.

Patented Aug. 19, 1879.

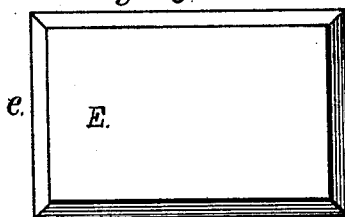
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

*Geo. F. Turner*  
*Wm. Blakely*

Inventor

*William T. Bradberry*

# UNITED STATES PATENT OFFICE.

WILLIAM T. BRADBERRY, OF ALLEGHENY, PENNSYLVANIA.

## IMPROVEMENT IN FIRE-BACKS.

Specification forming part of Letters Patent No. **218,616**, dated August 19, 1879; application filed April 12, 1879.

*To all whom it may concern:*

Be it known that I, WILLIAM T. BRADBERRY, of Allegheny city, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Fire-Backs for Stoves and Fire-Places; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to certain new and useful improvements in fire-backs for stoves and fire-places; and it consists in a novel construction of bricks and a metallic frame for surrounding the same, all as will be hereinafter fully described.

To enable others skilled in the art to make and use my improvement, I will proceed to describe its construction and operation in the accompanying drawings, which form part of my specification.

Figure 1 is a front elevation of my improvement in fire-backs. Fig. 2 is a section through the line *xx* of Fig. 1. Fig. 3 is a front elevation of the fire-brick.

The metallic frame is constructed of cast-iron, and is cast around the brick in the casting process, which will be readily understood by the skilled molder; or the brick may be formed in the frame after it is cast, and subsequently burned in a suitable oven.

The brick E is constructed of ordinary fire-clay, or of other suitable matter susceptible of resisting the action of fire, and is furnished with double-beveled edges, as clearly shown in Fig. 2, so that when the frame is cast around the bricks the frame A and cross-bars B or bar C (shown in dotted lines, Fig. 1) will have double-beveled grooves corresponding with the edges of the bricks.

By constructing the bricks and casting the frame around them, as above described, a very strong and durable as well as reversible fire-back is produced.

I am aware that a fire-back composed of a series of bricks surrounded or set in a metal frame is old, and such I do not desire to claim, broadly, as my invention; but

I claim as my invention—

The herein-described fire-back for stoves and fire-places, composed of bricks having double-beveled edges and a surrounding frame having one or more cross-bars, said frame and bar or bars having grooves corresponding with the edges of the bricks, substantially as specified.

WILLIAM T. BRADBERRY.

Witnesses:

GEO. T. TUEBNEE,  
WM. BLAKELY.