

W. C. BARKALOW.
Portable Stove-Back.

No. 202,777.

Patented April 23, 1878.

Fig. 1

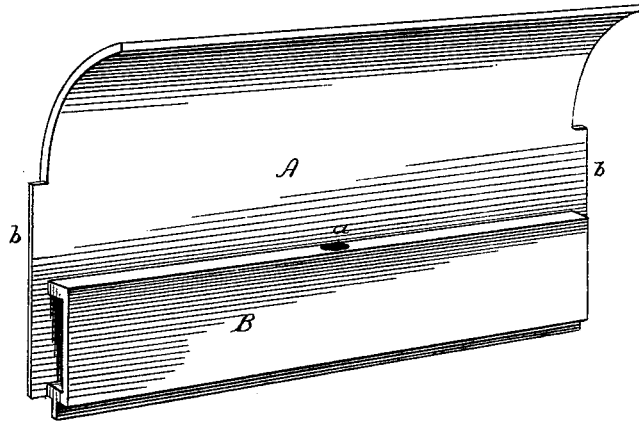


Fig. 2.

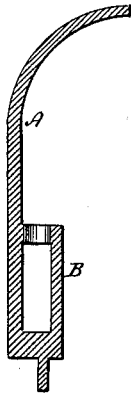
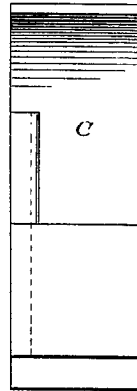


Fig. 3.



WITNESSES:

Clarence Poole
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WILLIAM C. BARKALOW, OF NEW LONDON, INDIANA.

IMPROVEMENT IN PORTABLE STOVE-BACKS.

Specification forming part of Letters Patent No. 202,777, dated April 23, 1878; application filed March 8, 1878.

To all whom it may concern:

Be it known that I, WILLIAM C. BARKALOW, of New London, in the county of Howard and State of Indiana, have invented a new and Improved Stove-Back, to prevent stoves from burning out at their backs; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a vertical cross-section, and Fig. 3 a view of one of my detached sections.

The object of my invention is to prevent stove-backs from burning out; and consists of the combination of devices hereinafter explained and claimed.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is a curved plate, made of any suitable length and height. Cast in the same piece with it, but shortened at each end, is a flue or drum, B, about twice the thickness of the main plate A. At the center and on the upper edge of this drum is an opening, *a*, leading into the space within.

The result is, that a current of air constantly passes in at the ends of the rectangular drum,

and upward through the opening *a*, thereby cooling the parts of the back most injured by the combustion of the fuel.

When it is desired to extend the length of plate A to fit a particular stove, I use short sections C, which are grooved on their edges to fit over tongues *b b* on the ends of the main section.

I am aware that heretofore hollow stove-backs have been used having a current of air or air-passage through them from end to end. I am also aware that false backs for stoves have heretofore been made in sections, to accommodate them to different widths of grates or stoves; and hence I do not claim either of these features, broadly, my grate-back being constructed so there is a current of air from each end toward the center; but,

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

The curved back-plate A, provided with the tongues *b b*, in combination with the drum B, provided with open ends and a central opening, *a*, substantially as set forth.

WILLIAM C. BARKALOW.

Witnesses:

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J. M. COX.