

E. E. BUNKER.  
Stove-Back.

No. 221,513.

Patented Nov. 11, 1879.

Fig. 1.

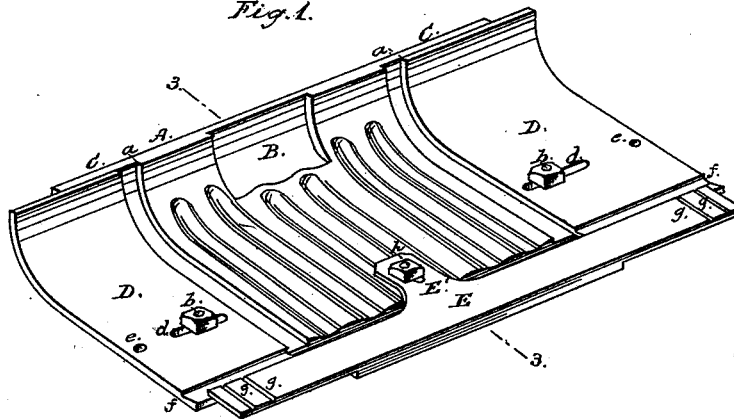


Fig. 2.

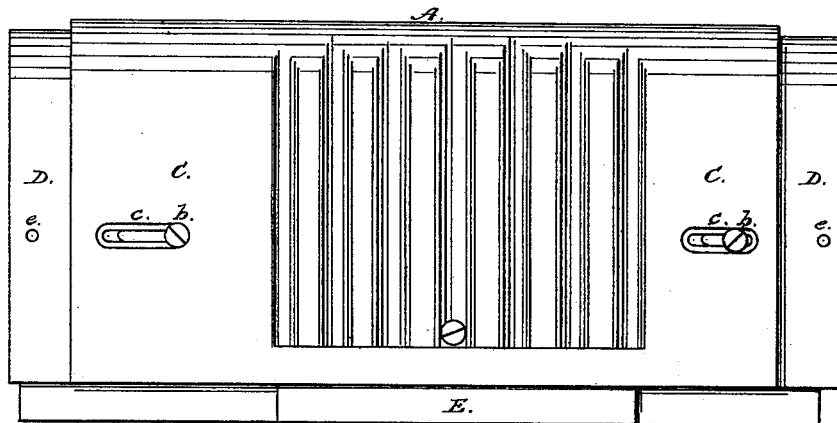
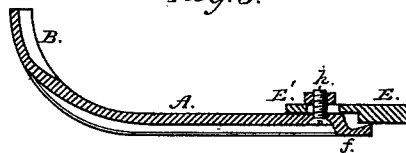


Fig. 3.



Attest:

W. Howard  
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Inventor:

Edgar. E Bunker  
by Geo. W. Dyer  
Atty.

# UNITED STATES PATENT OFFICE.

EDGAR E. BUNKER, OF DUBUQUE, IOWA.

## IMPROVEMENT IN STOVE-BACKS.

Specification forming part of Letters Patent No. **221,513**, dated November 11, 1879; application filed September 27, 1879.

### *To all whom it may concern:*

Be it known that I, EDGAR E. BUNKER, of Dubuque, in the county of Dubuque and State of Iowa, have invented a new and useful Improvement in Stove-Backs; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object I have in view is to produce a simple adjustable stove-back lining for fire-pots, which can be readily applied to cooking-stoves with fire-pots of different heights and lengths, and can be nicely fitted in the same, whether or not the stove is provided with a central post to support the top plate.

My invention therein consists, first, in providing each of the adjustable wings of the stove-back with a slot commencing near one edge and a bolt-hole near the other edge, thus making the wings reversible and exchangeable, and allowing others to be added; second, in providing the stove-back, at its upper rearwardly-turned edge, with a central thin portion, which can be broken out to avoid the central top-support when the stove-back is fitted to a stove having such a support; third, in the peculiar construction and manner of attaching a vertical wing to the lower edge of the body of the stove-back; and, further, in the combination, construction, and arrangement of the parts composing my stove-back, all as fully hereinafter explained.

In the drawings, Figure 1 is a perspective view of the rear side of the stove-back; Fig. 2, a front elevation of the same, and Fig. 3 a vertical central section on line 3 3.

Like letters denote corresponding parts.

A is the body of the stove-back, cast with vertical corrugations, and having the usual rearwardly-curved upper edge extending partly over the oven. On the rear side, at this upper edge, a central depression, B, is cast, making the plate much thinner at that point. This depression is a little larger than the central support, extending in some stoves from the front of the oven to the top plate of stove, and is intended to be broken out to avoid this support, permitting a close fit of the stove-back to the fire-pot.

The body A is provided with side or end extensions, C, cast smooth and made thinner than the body. These extensions are even with the central portion of the stove-back on its front face, but on its rear side are depressed below the surface of such central portion, forming shoulders *a* at their junction therewith. The adjustable side or end wings, D, slide on these depressed surfaces, and are flush with the surface of the body of the stove-back. By these means a nicer fit can be made with the fire-pot than if the wings projected rearwardly beyond the body of the stove-back.

The adjustable wings D are attached to the end extensions, C, by two bolts, *b*, passing through slots *c* in the extensions and slots *d* in the wings. The nuts are turned on the bolts on the rear side of the stove-back.

By having slots in both the extensions and the wings a greater adjustment is obtained with a less weakening of the parts, and the wings will be better held by having the bolts pass as nearly through their centers as possible with the extension desired.

The wings D are shown as made of different widths, it being intended to make the wings of two or more widths, and to use in fitting each stove the wings most desirable.

Each wing is provided, in addition to the slot *d*, with a bolt-hole, *e*, near its other edge, whereby the wings are made exchangeable or reversible from one end to the other of the stove-back; and, if found necessary, the stove-back can be lengthened by adding other wings onto the first and securing the additional wings by bolts passed through the holes *e*.

The bottom edge of the whole stove-back, including the wings, is provided with one or more breaking-grooves, *f*, by which the height of the stove-back can be diminished.

To the lower edge of the stove-back, on its rear side, is adjustably attached a bottom wing, E, extending the entire length of the stove-back, and having a number of breaking-off grooves, *g*, at each end. This wing E has a central slotted tongue, E', extending upwardly therefrom, and a bolt, *h*, passing through the slot of this tongue and through a hole in the stove-back adjustably secures the wing to the stove-back. By means of this

bottom wing the stove-backs can be neatly fitted to fire-pots of different heights.

The whole stove-back, it will be seen, is well adapted for application to all sizes of cooking-stoves, is simple and cheap in construction, and requires no exact fitting of the parts together to make it useful.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a stove-back, the adjustable and removable wings D, having slots *d* and holes *c*, substantially as described and shown.

2. In a stove-back, the depressed and thin portion B at the edge of the rearwardly-turned upper end of the stove-back, substantially as described and shown.

3. The bottom wing, E, having end breaking-grooves, *g*, and central slotted tongue, E', and secured to the stove-back by bolt *h*, substantially as described and shown.

4. The stove-back described, consisting of body A, having depression B and end extensions, C, the adjustable end wings, D, and adjustable bottom wing, E, all constructed, arranged, and secured together substantially as described and shown.

This specification signed and witnessed this 6th day of September, 1879.

EDGAR E. BUNKER.

Witnesses:

G. L. TORHIL,  
MONROE M. CADY.