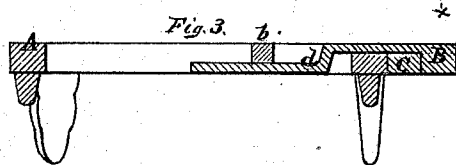
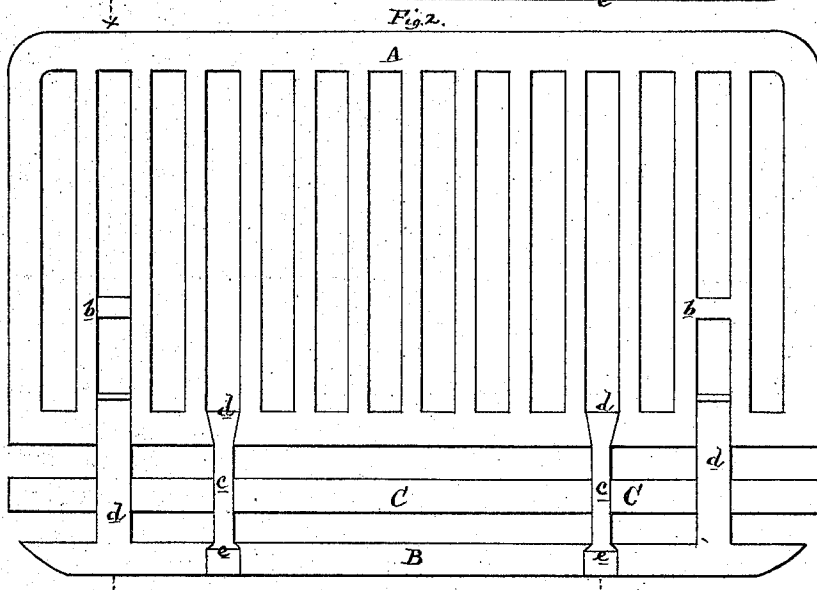
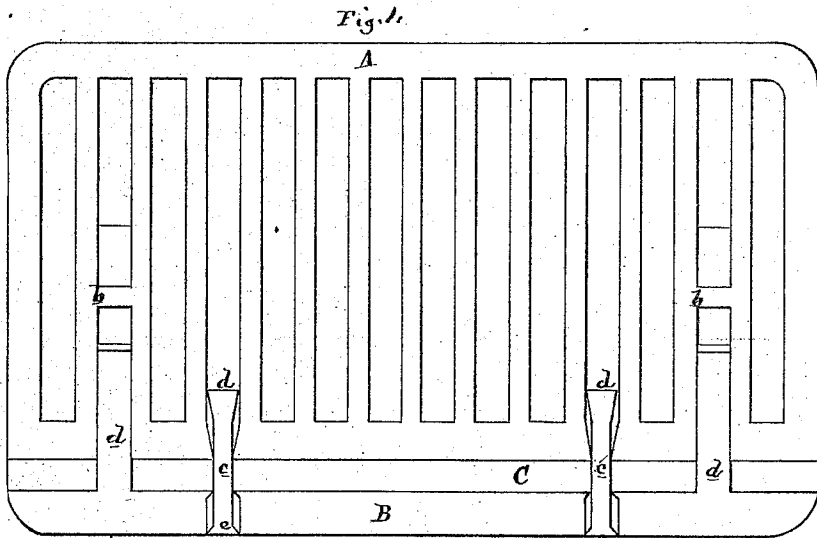


L. STUCK.
Stove Grate.

No. 102,880.

Patented May 10, 1870.



Attest.
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LEVI STUCK, OF BRYAN, OHIO.

Letters Patent No. 102,880, dated May 10, 1870.

STOVE-GRATE.

The Schedule referred to in these Letters Patent and making part of the same

To whom it may concern:

Be it known that I, LEVI STUCK, of Bryan, in the county of Williams and State of Ohio, have invented a new and useful Improvement in Adjustable Extension-Grates for Stoves; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a plan of my improved grate, fully extended.

Figure 2 is a cross-section on the line *x x*.

Figure 3 is a plan of the grate closed, with the intermediate bar removed.

Like letters indicate like parts in each figure.

The nature of this invention relates to the construction of a grate which is adjustable in such a manner as to enable it to be fitted to any size of wood-burning cook-stoves.

It consists in the peculiar construction and method of attaching to a grate proper, narrow enough to fit the fire-box of a small-sized stove, of two bars, one or both of which may be used to increase the width of the grate, so as to adapt it to the larger-sized fire-boxes.

In the drawings—

A represents a rectangular grate, supported by short legs at the corners. When the grate is placed in the fire-box, these legs rest on the shoulder or offset of the fire-box, at each end thereof.

B is a longitudinal bar, provided with slides *a* moving in a transverse groove in the rear bar of the grate. Its front end is depressed, so as to slide under a brace, *b*, cast between the two grate-bars, between which it

moves. This brace supports the bar B in its horizontal position.

C is an intermediate longitudinal bar between the rear frame bar of the grate and the sliding bar B, and is recessed to receive the slides *a*, which are let in its upper surface.

The bar C is provided with cross-arms *c*, projecting at each side, the rear frame-bar of the grate and the bar B being recessed to receive these cross-arms, as shown at *d e*. The recesses *d e* and the ends of the cross-arms are dovetailed, so that they serve as stops to prevent the slides from being withdrawn from the grate, as well as to support the fuel.

As there is but little difference in the length of the fire-boxes of the various sizes of wood-burning cook-stoves, the grate, with the attachments above described, can readily be adjusted to fit any fire-box, in the smaller sizes the intermediate bar C being dispensed with. As a large majority of this class of stoves is not supplied with grates when put in market, grates of this description, it is believed, will supply a long-felt want.

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

1. The grate A, provided with means of adjusting the same to any width of fire-box, substantially as described.

2. The grate A, provided with braces *b*, the bar B, provided with slides *a*, and the intermediate bar C, provided with cross-arms *c*, substantially as and for the purpose set forth.

Witnesses:

H. F. EBERTS,
S. J. SPRAY.

LEVI STUCK.