Z. HUNT.

Cooking Stove.

No. 30,142. Patented Sept. 25, 1860.

Fig. 1.

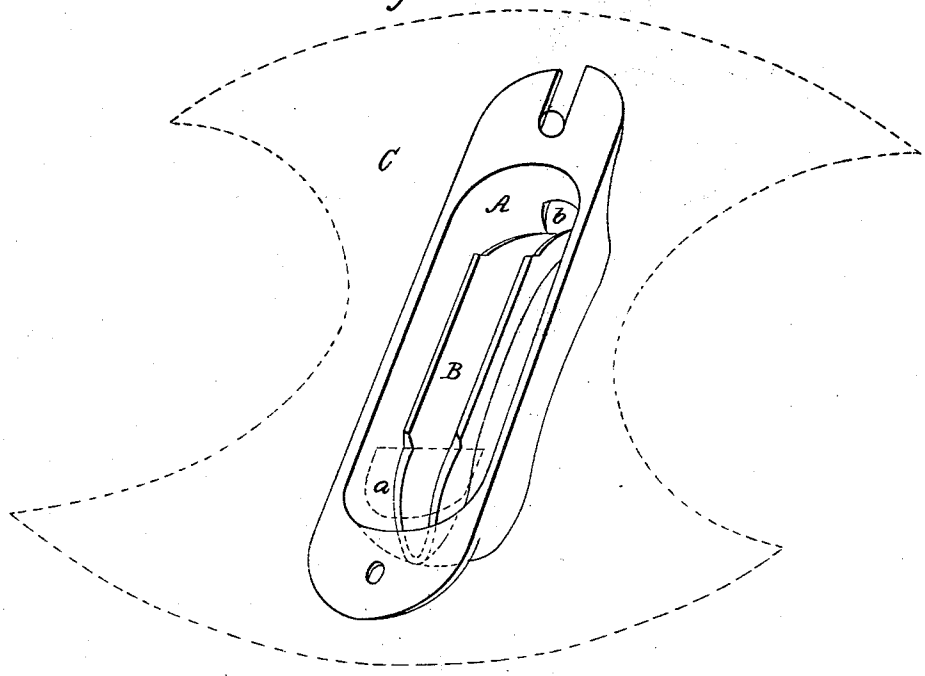


Fig. 2.

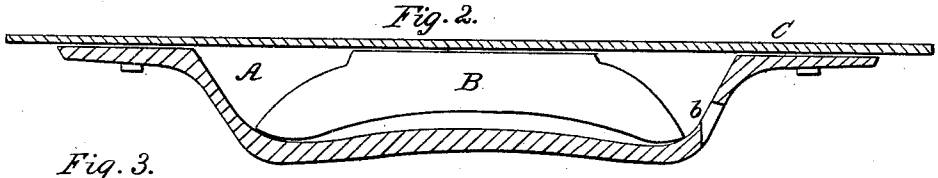


Fig. 3.

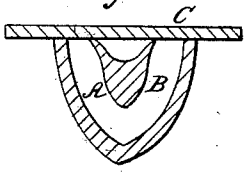
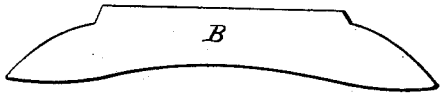


Fig. 4.



Witnesses:

A. Rossman

Mup. S. Rowley

Inventor:

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N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ZEBULON HUNT, OF HUDSON, NEW YORK.

COOKING-STOVE.

Specification of Letters Patent No. 30,142, dated September 25, 1860.

To all whom it may concern:

Be it known that I, ZEBULON HUNT, of the city of Hudson, in the county of Columbia and State of New York, have invented a new and Improved Mode of Constructing the Middle Pieces Between the Boilers of Cooking Stoves and Ranges; and I do hereby declare that the following is a full and exact description thereof, reference being had to annexed drawings, making a part of this specification, in which—

Figure 1, is a perspective view; Fig. 2, a longitudinal vertical section; Fig. 3, a transverse section, and Fig. 4, a side view of the bridge or brace B detached.

A is the ventilated or air-chamber brace; B is the arch or bridge brace; C is the middle or centerpiece; *a* is the handle hole in centerpiece; *b* is aperture through which the air passes into the furnace.

The nature of my invention consists in placing within the ventilated or air-chamber brace, commonly attached to the lower side of the middle pieces between boilers of stoves and ranges, a detached, arched brace or bridge, resting at its extremities on the bottom of the air-chamber, and supporting at its crown the top plate of the middle piece, thereby preventing the latter from sinking or dropping at the middle as it otherwise does from the effects of excessive heat.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation.

Within the ventilated or chamber brace A, which is frequently attached, alone, to the lower sides of centerpieces of cooking stoves and ranges, (designed to preserve them from the injurious effects of the heat, though failing to effect the object,) I place a detached, arched brace, support or bridge B, grooved on its top, lengthwise, so as to form a channel or free passage for the air over it, (as it also has around and beneath it,) its two extremities or feet resting on the bottom of the chamber A. The two opposite edges of the top of the arch or bridge B are elevated to a level, and so as to be in contact with and form a support for the top plate of the centerpiece.

The air passing into the chamber A at the hand hole *a*, of the centerpiece C, pervades the whole space within, which is not occupied by the brace or bridge B; passing thence through the aperture *b*, into the furnace; thus keeping the bridge B comparatively cool and so uniform in temperature as not to be materially expanded by the heat or contracted; and being at all times in contact, by means of its raised margins, with the top plate of the centerpiece, supports and keeps it in place.

The ventilated or hollow chamber brace A, attached to the lower side of the middle pieces between the boilers of cook stoves and ranges, has been used for a long time, but to little purpose. This, therefore, I do not claim; but—

What I do claim, and desire to secure by Letters Patent of the United States, is—

Placing the bridge or brace B or any similar device within the ventilated chamber A substantially in the manner and for the purpose herein set forth.

ZEBULON HUNT.

Witnesses:

A. ROSSMAN,

ALEX. S. ROWLEY.