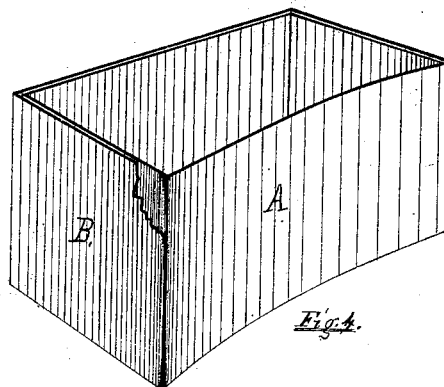
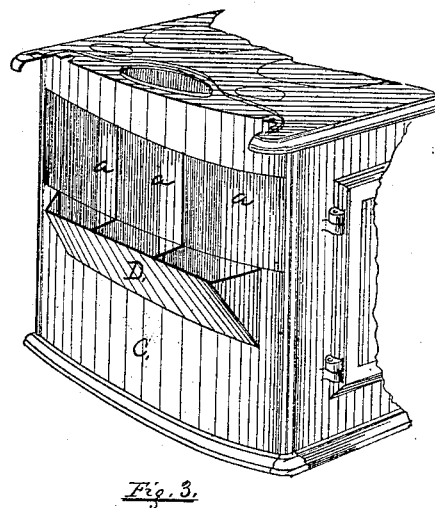
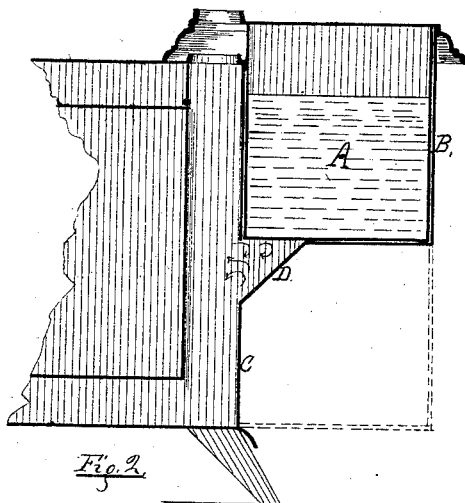
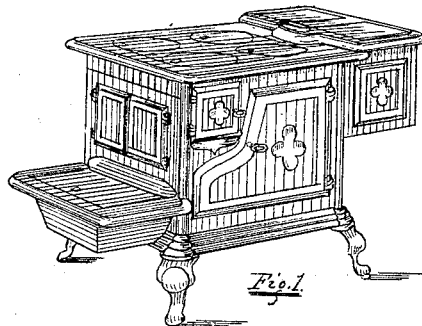


E. BUSSEY.  
Cooking Stove.

No. 111,811.

Patented Feb. 14, 1871.



Witnesses.

C. D. Kellum  
Charles A. M. Lead

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Ezek. Bussey

# United States Patent Office.

ESEK BUSSEY, OF TROY, NEW YORK.

Letters Patent No. 111,811, dated February 14, 1871.

## IMPROVEMENT IN COOKING-STOVES.

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

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

Be it known that I, ESEK BUSSEY, of the city of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Reservoirs for Cooking-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being hereby had to the accompanying drawing, which is made a part of this specification, and in which like letters of reference refer to corresponding parts.

Figure 1 represents an ordinary cooking-stove with my invention and improvements attached, and more fully hereinafter described;

Figure 2 is a cross-section through the reservoir and rear part of the stove, clearly showing my invention and improvements;

Figure 3 is a perspective view, showing the rear portion of said cooking-stove with the reservoir or water-tank removed therefrom; and

Figure 4 is a perspective view of the reservoir or water-tank, and cast-iron jacket surrounding the same, all being more fully hereinafter described.

The nature of my invention and improvements consist in the use of a copper or other sheet-metal reservoir placed in the rear of an ordinary cooking-stove and surrounded in whole or in part by a jacket of cast-iron, made in one or more pieces, said jacket in all its parts coming in close contact with said reservoir, thereby protecting the same from breakage in transportation, and making at all times a safe and secure covering for said reservoir, substantially in the manner and for the purposes herein specified and set forth.

It also consists in casting said cast-iron jacket or covering in two or more pieces, and joining and fastening the same around said reservoir, as hereinafter described, whereby I am enabled to lessen the expense of making said jacket or covering, as hereinafter specified.

I will now proceed to describe the construction and operation of my said invention so that others skilled in the art may manufacture and use the same.

A, figs. 2 and 4, represents the reservoir, which I design to construct of copper or any other sheet metal adapted to the purpose.

This reservoir I design to place in the rear of the stove, its front side coming in close contact with the rear vertical plate, covering the flues *a a a*, fig. 3.

If desired a portion of this rear plate may be removed, as shown at fig. 3, whereby the water in said reservoir A can be more readily heated.

The cast-iron jacket or covering surrounding said reservoir is shown at B, figs. 1, 2, and 4 of accom-

panying drawing, and, when mounted, fits closely around said reservoir, as shown at figs. 2 and 4.

D, fig. 3, is a projecting flange or shelf, cast upon the rear vertical plate *c*, and upon which the bottom of the reservoir A rests when mounted, as shown at fig. 2.

The objects and purposes of this cast-iron jacket B surrounding said reservoir are as follows:

A copper or other sheet-metal reservoir placed in the rear of a cooking-stove, as hereinbefore described, unless protected, would be liable to breakage, and in transportation would have to be packed separate; but this cast-iron jacket B affords a substantial covering for said sheet-metal reservoir, and at all times protects said reservoir from breakage and allows of the same being mounted ready for use before transportation.

This jacket B I design to make of ordinary cast-iron, and in one or more pieces, as may be deemed best; it is not strictly necessary that this jacket B should have a bottom, as shown in accompanying drawing; and it also may be, if desired, cast with open-work, thereby reducing its weight and lessening the expense of making the same. The only object of this jacket is to protect the sheet-metal reservoir A, and this object might be accomplished by a simple net-work of cast-iron bars surrounding the same and being securely fastened to the main body of the stove.

This cast-iron jacket, closely surrounding and inclosing said sheet metal reservoir A, is, of course, securely fastened to the back, top, or side plates of the stove by rivets, bolts, or other suitable means.

This jacket or covering B I have described as being made of cast-iron, which I prefer to use, as I regard it the best adapted to the purpose; but still heavy sheet-iron or other sheet metal might in some cases be used to advantage.

Having thus described the nature, construction, and operation of my said invention,

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

The jacket B, constructed as described, and inclosing, in whole or in part, a sheet-metal reservoir placed in the rear of a cooking stove, said jacket B fitting closely around said reservoir and combined therewith, substantially in the manner and for the purposes herein described and set forth.

In testimony whereof I have hereunto set my hand January 14, 1871.

ESEK BUSSEY.

Witnesses:

C. D. KELLUM,  
CHARLES A. McLEOD.