J. E. CORLEY.

COMBINED COOKING-STOVE AND HEATER.

No. 194,413. Patented Aug. 21, 1877.

Fig. 1.

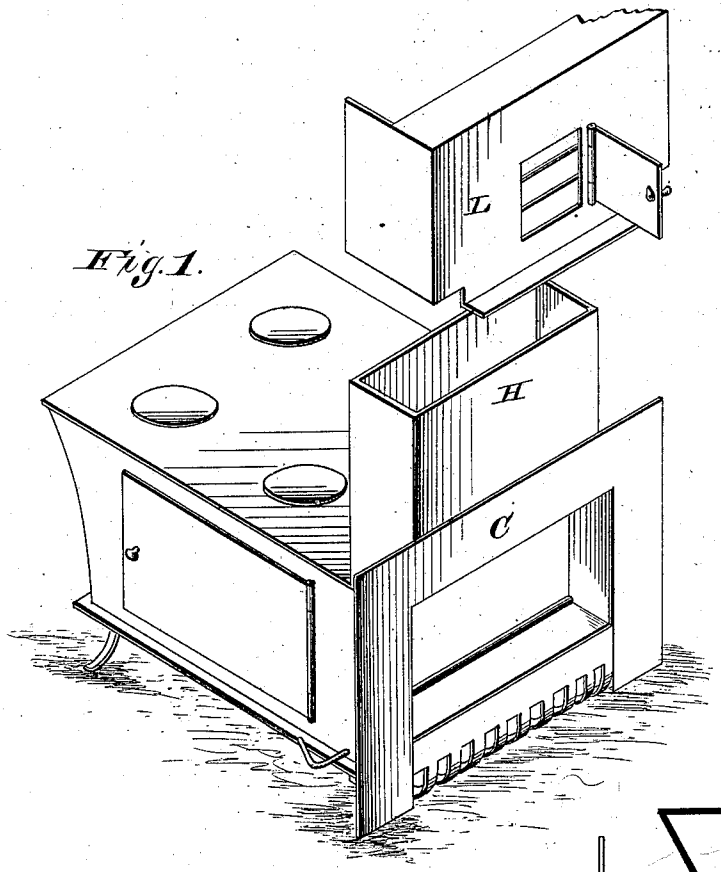
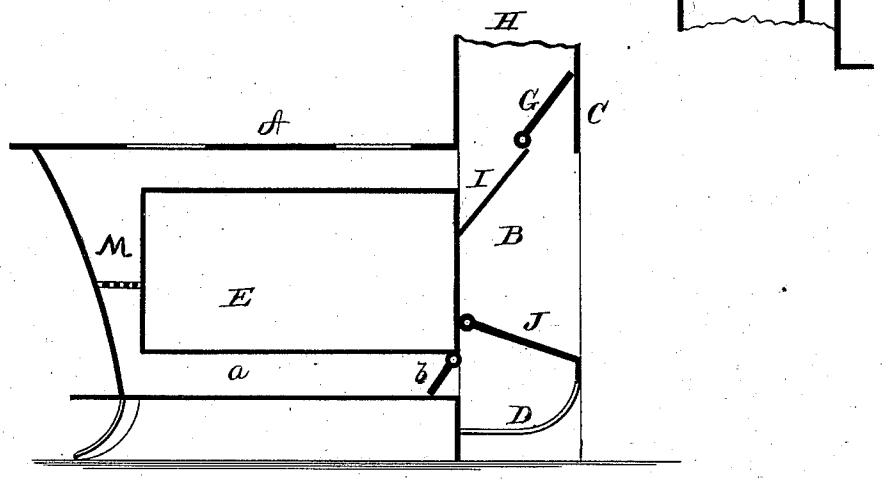



Fig. 2.




WITNESSES

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN COMBINED COOKING-STOVE AND HEATER.

Specification forming part of Letters Patent No. **194,413**, dated August 21, 1877; application filed March 29, 1877.

*To all whom it may concern:*

Be it known that I, JOHN E. CORLEY, of Louisville, in the county of Blount, and in the State of Tennessee, have invented certain new and useful Improvements in Combined Cooking-Stove and Chamber-Heater; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a combined cook-stove and heater, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of my invention with the upper heater disconnected from the chimney; and Fig. 2 is a longitudinal vertical section of the same with the upper heater placed to one side and slightly above.

A represents an ordinary cooking-stove of any suitable construction, provided with the usual fire-box and grate at a point shown at M in front of the oven. The back flue of the stove A is dispensed with, and in place thereof is formed an extension, B, intended to pass through the fire-place into the adjoining room, where it forms the front C and open fire-place grate D. E is the oven of the cooking-stove A, below which is the flue *a*, as shown. The rear end of the oven forms the back of the fire-place heater, and under the rear end of the oven in the flue *a* is a damper, *b*, which may be either hinged, as shown, or made sliding, to close and open certain apertures leading from the flue *a* into the fire-place heater.

When this damper is open fire may be made either in the cooking-stove A or in the grate D, and the heat made to pass through the other and up the chimney H. J is a damper in the fire-place heater B, which may either stand perpendicularly or be let down over the grate D, as shown. I is an inclined plate, forming a continuation of the heater B, and at the upper edge of this plate is a hinged damper, G, which may be turned to either side, to close the draft up the chimney for either the cook-stove A or the heater B; or it may be placed in a vertical position, when fire may be made in both the stove and heater, and the smoke pass up the chimney H.

In connection with this combined cooking-stove and heater, a heater, L, may be used in the story above by forming suitable connections with the chimney, so that the smoke and heat will pass into said heater or drum, and back again into the chimney. A damper, P, will then be provided to shut off the heat from the drum L when desired.

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

1. In a cooking-stove, the combination of a fire-place heater, B, having dampers and deflecting-plates, substantially as described, on the rear end of the same, the bottom flue *a* under the stove-oven, and the damper *b*, arranged at the rear end of said flue, substantially as and for the purposes herein set forth.

2. The combination, in a combined cooking-stove and fire-place heater, of the flue *a*, damper *b*, inclined plate I, and damper G, substantially as and for the purposes herein set forth.

3. In combination with the cooking-stove A, the bottom flue *a*, and the damper *b*, the fire-place heater B having grate D, deflecting plate I, and the damper G, all constructed substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand.

JOHN E. CORLEY.

Witnesses:

JAMES A. PRATOS,

JAMES W. CORLEY.