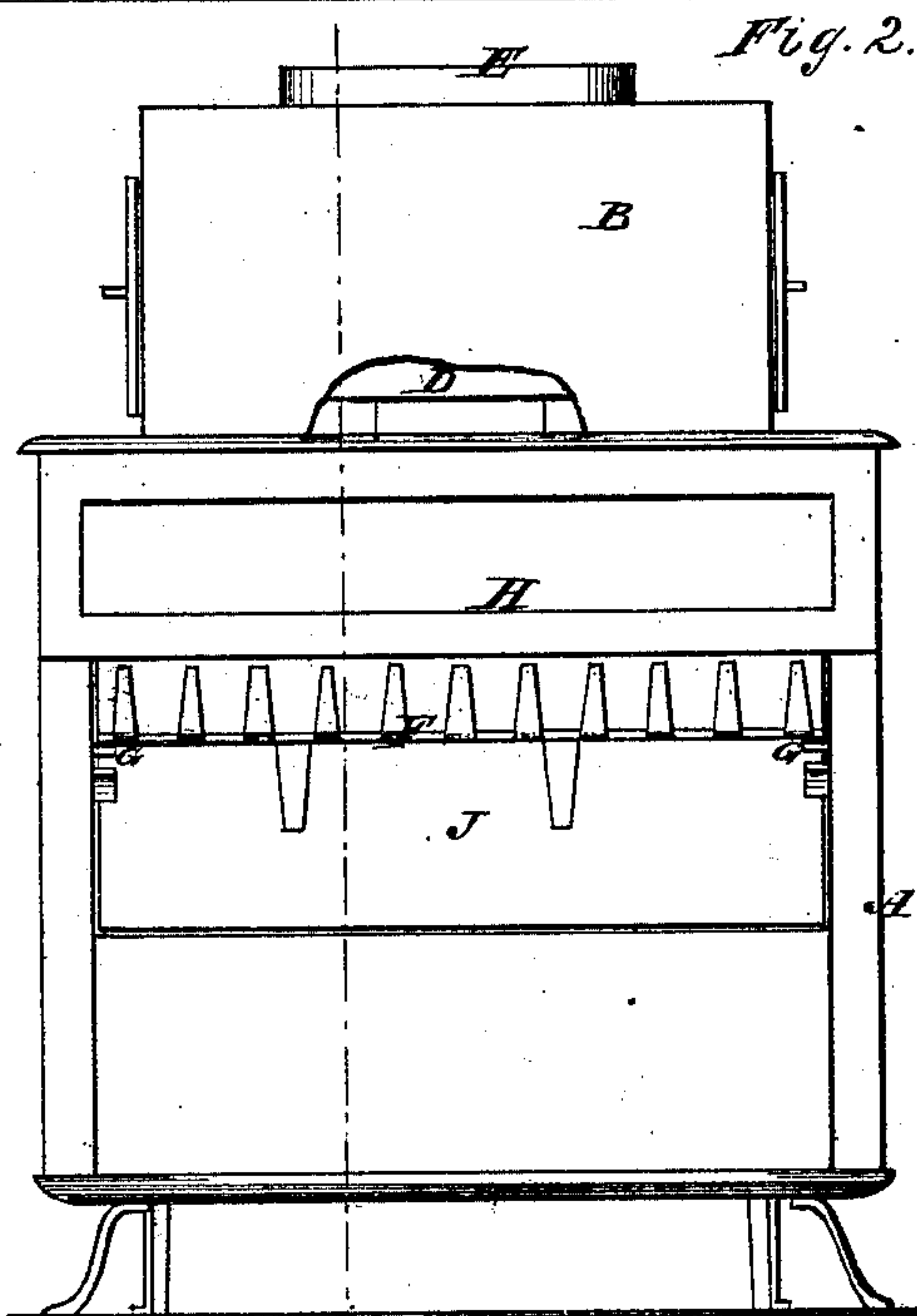
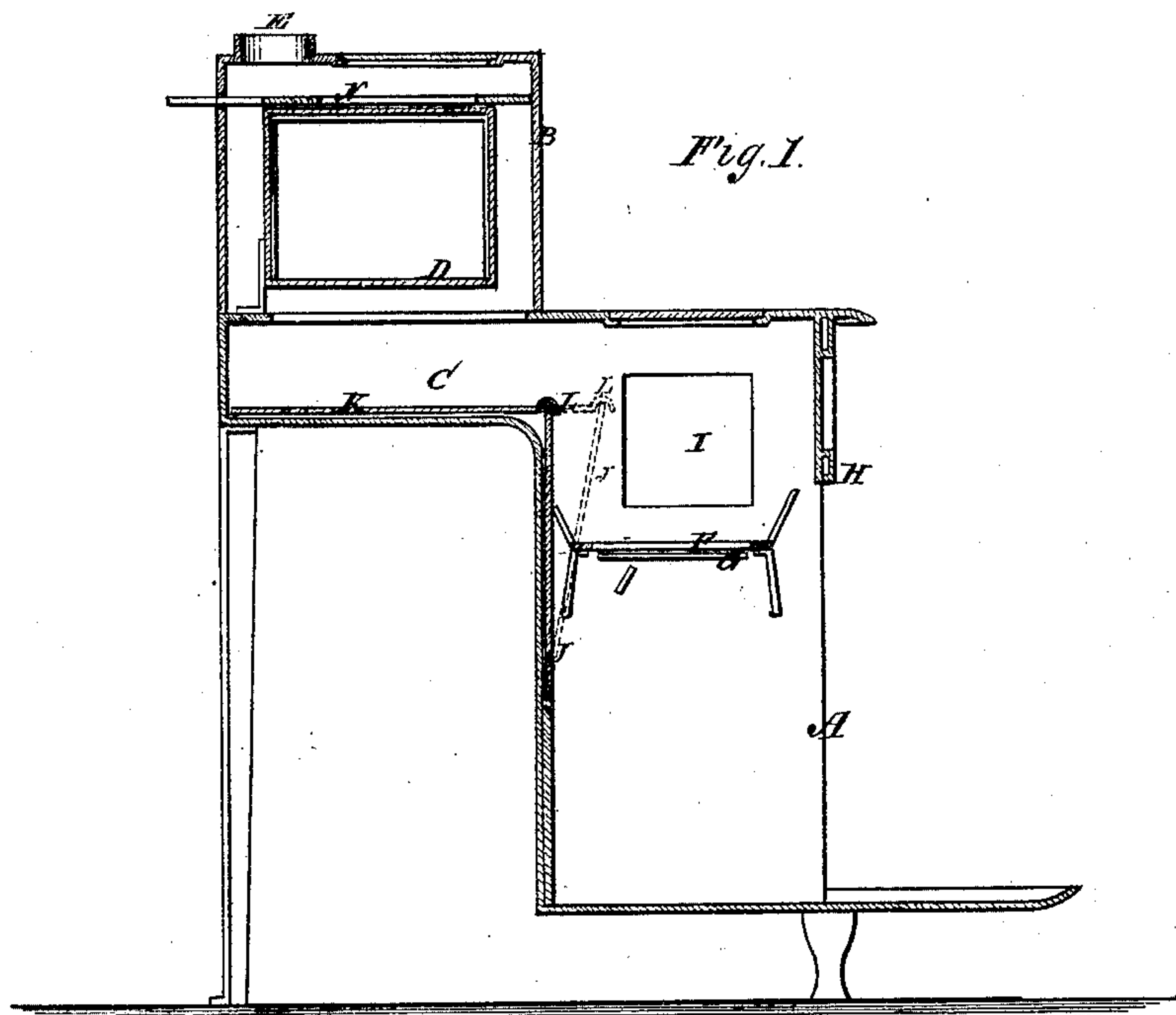


L. DUNHAM.  
Cooking Stove.

No. 112,132.

Patented Feb. 28, 1871.



Witnesses:

E. Wolff  
Alex. F. Roberts

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# United States Patent Office.

LEMUEL DUNHAM, OF LINCOLN CENTRE, MAINE.

Letters Patent No. 112,132, dated February 28, 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, LEMUEL DUNHAM, of Lincoln Centre, in the county of Penobscot and State of Maine, have invented a new and improved Combined Heating and Cook-Stove; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in stoves; and

It consists in a cooking attachment to what is known as the Franklin heating-stoves, as hereinafter described.

Figure 1 is a sectional elevation of my improved stove, taken on the line X X of fig. 2, and

Figure 2 is a front elevation of the same, with a part broken out.

Similar letters of reference indicate corresponding parts.

I propose to attach to the back and top of a Franklin heating-stove A, or other stove of the same general character, of any approved pattern, a cooking apparatus, consisting of a case, B, similar to that part of an ordinary cooking-stove above the fire-place containing the oven, to which I conduct the heat by a flue, C; and I also place an oven, D, in it, and the ordinary pot-holes, with removable cross-bar at the top; also the stove-pipe connection E, for conducting away the products of combustion.

And for the purpose of applying the heat more directly to the cooking attachment than would be the case if the fire was made when cooking at the bottom of the stove A, in the usual place, I arrange the grate F so that it can be readily taken from its position at the bottom, and placed on supports G, just below the lower edge of the front plate H of stove A, and at one end of the latter above the grate I provide a door, I, for introducing the fuel above the grate.

To enable me to arrange the grate at this place, I arrange the back plate J, which in the ordinary

Franklin stove pitches forward to throw out the heat, so that it may be turned backward parallel with the vertical wall of the back plate of the stove.

This back plate is in this instance held in either position by the sliding plate K, lying upon the bottom plate of flue C, and having a groove L in the under side, near the front edge, in which the upper edge of the back plate bears.

The friction of the plate K on the flue bottom will hold the back plate in any position.

I propose to arrange a damper, N, on the top of the oven, to close one of the side vertical passages, so as to cause the heat to rise up along the ends more than it otherwise would.

By this simple arrangement I am enabled not only to utilize the stove A for cooking purposes, but I also very greatly increase the efficiency of the same for heating purposes, for the cooking attachment adds greatly to the radiating surface.

In connection with this cooking attachment the part A may have pot-holes and a removable cross-bar at the top, whereby it may also be, in consequence of the grate being placed so near it, equally as serviceable for cooking as the corresponding part of an ordinary cook-stove.

The advantages of my improved stove in families which require a combined heating and cook-stove will be readily appreciated from the foregoing description.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The pipe connection E, chamber B, and flue C, combined as described, with, and arranged above, the adjustably-grated Franklin stove A, for the purpose specified.

2. The end-grooved plate K, movable on the horizontal bottom of flue C, to adjust the back wall J, and hold it by friction in any position, as described.

LEMUEL DUNHAM.

Witnesses:

CHARLES DUNHAM,  
JOHN OSGOOD SWAN.