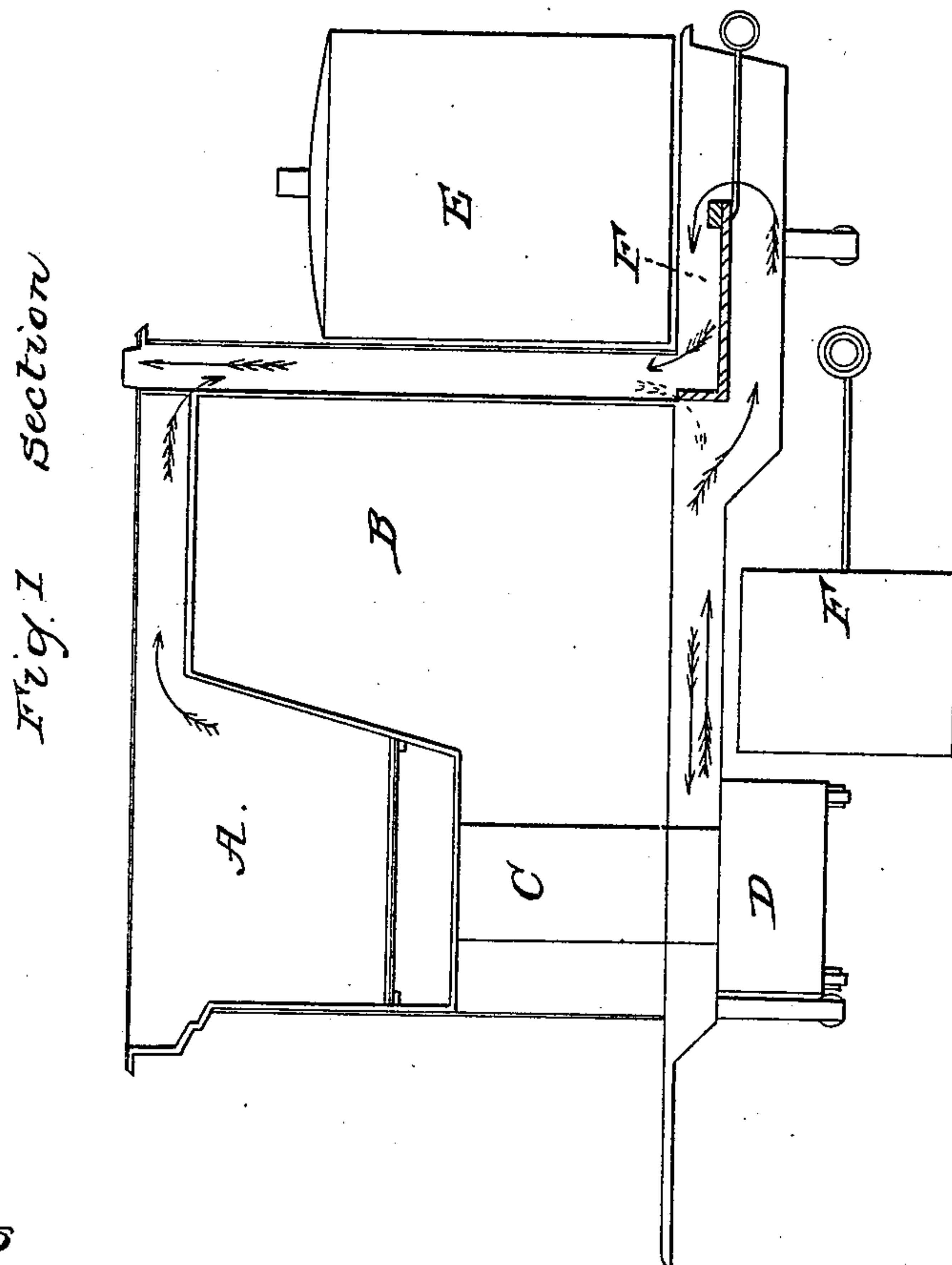
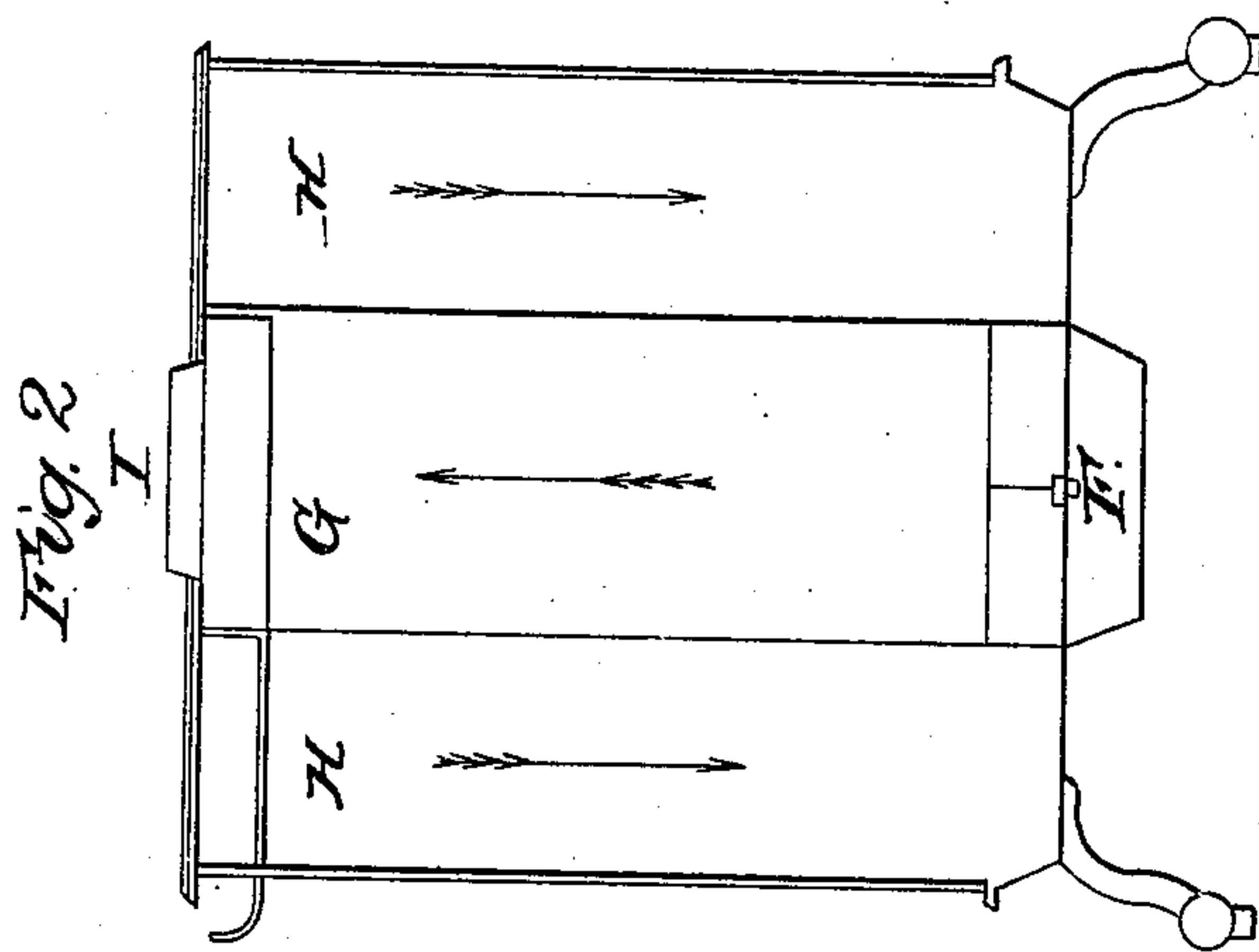


S. B. SPAULDING.

Cooking Stove.

No. 20,668.

Patented June 22, 1858.



*Witnesses*  
*H. H. Thurns.*  
*A. A. Nicholson.*

*Inventor*  
*Saml B Spaulding*

# UNITED STATES PATENT OFFICE.

SAMUEL B. SPAULDING, OF BRANDON, VERMONT.

## IMPROVEMENT IN COOKING-STOVES.

Specification forming part of Letters Patent No. 20,668, dated June 22, 1858.

*To all whom it may concern:*

Be it known that I, SAMUEL B. SPAULDING, of Brandon, in the county of Rutland and State of Vermont, have made a new and useful Improvement in Cooking-Stoves; and I do declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and letters of reference marked thereon.

I do not claim any particular form or shape of stove; but it is better adapted to stoves of a square form with the fire-box above the oven, and it is known by the name of the "diving-flue stove."

To enable others skilled in the art to make and use my improvement, I proceed to describe its construction and operation.

I construct my fire-box with cleats on the side, so that the fire-grates may be put on the lower cleats for winter use and on the upper cleats for summer use. I also make a passage from the fire-box for the ashes to pass down through the bottom of the stove into an ash-pan or box under the stove set upon rollers to run on the floor, thereby saving the trouble and dust of taking up ashes. The passage for the ashes is covered by a sliding damper, to be drawn when required. I extend the bottom of the stove and flues at the back end far enough to form a boiler-seat for the reservoir, the reservoir to be placed thereon for keeping water hot or warm for family use. I have a sliding plate or damper in the middle flue under the reservoir, and by moving this damper inward the heat is made to descend under the damper-plate and strike the bottom of the reservoir, and causes heat when hot water is wanted, and by drawing the damper outward the heat is shut from the reservoir and passes directly to the exit-pipe. The advantages of this latter im-

provement are that you can heat the reservoir or not, as you please, and not affect the other operations of the stove, and on washing-days this reservoir can be removed to the top of the stove and used as a wash-boiler, saving the expense of an extra boiler.

Figure 1 represents a side view of the stove, showing the arrangements thereof and operations of the heat. Fig. 2 represents the back end of the stove and flues. Fig. 3 represents the sliding plate or damper, with the rod or handle as seen at F F, which slides on the stove-bottom over the middle flue.

Letter A represents the fire-chamber.

Letter B represents the oven.

Letter C represents the passage for the ashes to the ash-box.

Letter D represents the ash-box.

Letter E represents the reservoir.

Letter F represents the damper-plate and rod.

Letters G and H H represent the flues at the back end of the oven. The arrows show the direction of the heat after entering the middle flue in its passage to the exit-pipe.

I do not claim any particular form or construction of stove.

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

The extending of the bottom of the stove and flues at the back end so as to form a boiler-seat for the reservoir, so that by the peculiar arrangement of the sliding plate or damper the reservoir can be heated at pleasure without affecting in the least the other operations of the stove.

SAMUEL B. SPAULDING.

Witnesses:

H. H. THOMAS,  
C. L. CASE.