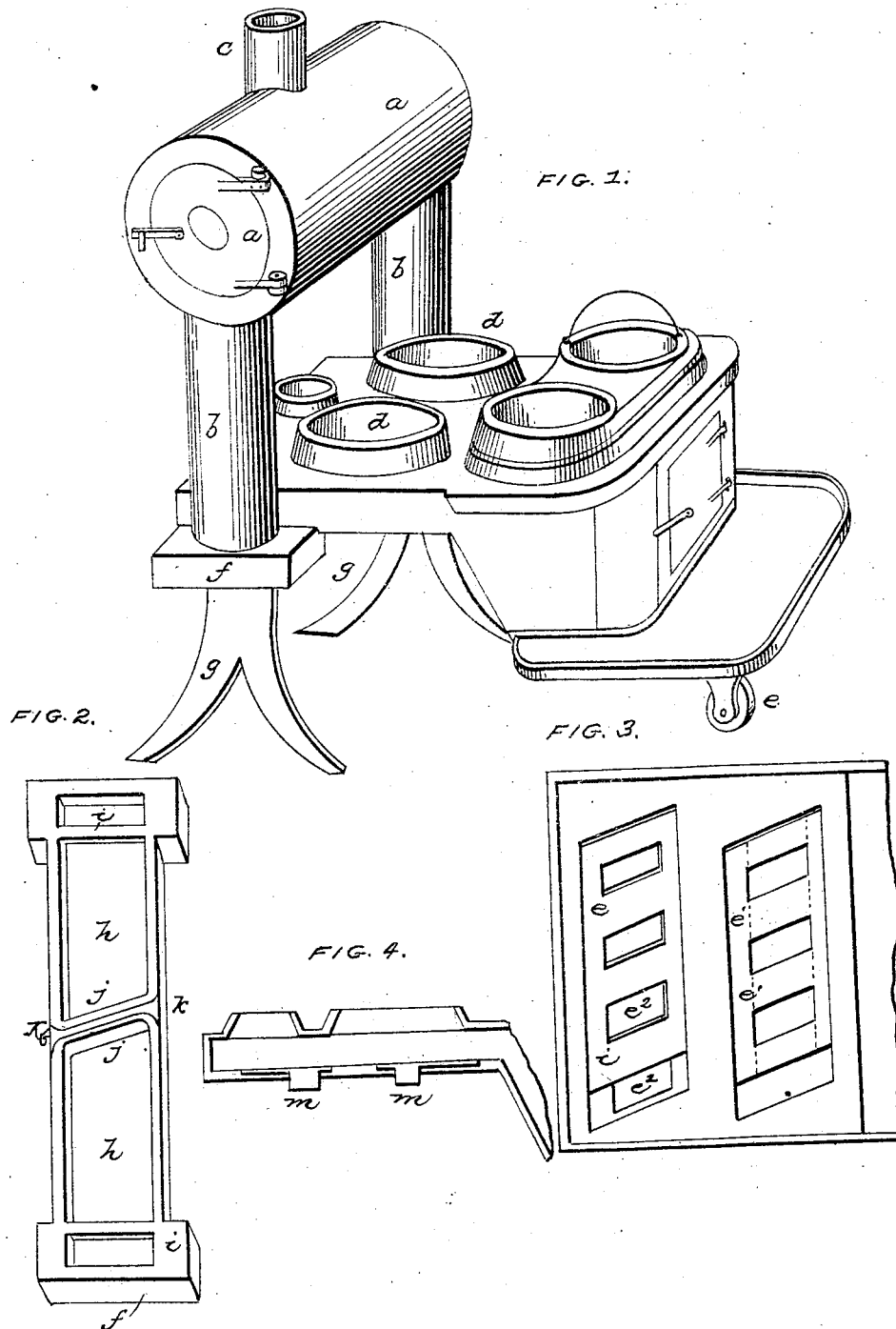


A. ATWOOD.  
Cooking Stove.

No. 1,120.

Patented April 10, 1839.



# UNITED STATES PATENT OFFICE.

ANSON ATWOOD, OF TROY, NEW YORK.

## RAILWAY COOKING-STOVE.

Specification of Letters Patent No. 1,120, dated April 10, 1839.

*To all whom it may concern:*

Be it known that I, ANSON ATWOOD, of the city of Troy, in the county of Rensselaer and State of New York, have invented an Improvement in the Railway-Stove by Combining an Elevated Oven Therewith in a Manner Which is New and Convenient; and I do hereby declare that the following is a full and exact description thereof.

Figure 1, in the accompanying drawing is a perspective view of the stove, with the elevated oven *a*, thereon; this oven does not differ in its general construction from others which have been previously made. Two pipes *b, b*, connect the stove with the space between the double casing of the oven, *c*, being the exit pipe. *d, d, d*, are openings for cooking utensils, made in the ordinary way. The body of the stove is sustained in front by two legs, furnished with rollers, as seen at *e*; its back part rests upon a cross piece *f*, supported by the legs *g, g*, which cross piece supports the pipes *b, b*, and contains the flues by which the smoke and heated air are conducted from the stove with them.

Fig. 2, is a top view of the cross piece *f*, the shaded parts *h, h*, being depressions which constitute the flue above spoken of, the pipes *b, b*, fitting on at *i, i*. The flue *h, h*, is divided into two compartments by a partition *j*, in the middle, and this partition has a groove *k*, along it, for the purpose of causing the sliding valves to operate, in a manner to be now described.

Fig. 3, is a top view of the inner portion of that part of the plate of the stove which rests upon the cross flue *f*. Two sliding shutters, or valves *l, l'*, serve to open or close four openings *l<sup>2</sup>*, represented by the dotted lines in *l'*.

The stove as shown in Fig. 1, has the openings *l<sup>2</sup>*, in the plate at *l*, uncovered, while those at *l'*, are closed; and should the stove be pushed back so as to bring the part *l'*, over the flues in *f*, the reverse effect will be produced, the openings at *l*, being closed, and those at *l'*, being opened. The manner in which this effect is produced will be understood by the aid of the section at Fig. 4, made by a vertical plane through the middle of the back part of the stove in a line from the back to the front; *m, m*, are two tail pieces, or flat plates attached to the sliding shutters, which two plates alternately pass into the groove *k*, which by its oblique direction, works the sliding shutters, closing the opening which are removed from over the flue *f*, and opening those which pass on to them. It will be seen that by this arrangement a direct draft may be produced under the whole of the cooking utensils, or under those merely which occupy the front part, the change being made at pleasure, and instantaneously.

What I claim as my invention is—

The manner in which I have constructed and combined the respective parts of this stove, so as to produce the effect set forth, namely: the combination of the flues marked *f*, with the openings in the back of the stove, governed by sliding shutters, moved back and forth by the pins, or plates, which pass through the groove *k*, and connect the stove with the pipes *b, b*, and the elevated oven, by either set of openings made for that purpose, the whole operating substantially in the manner set forth.

ANSON ATWOOD.

Witnesses:

CLEMENT T. COOTE,  
LINTON THORN.