

No. 776,151.

PATENTED NOV. 29, 1904.

E. T. STEVENSON.
PORTABLE STOVE.

APPLICATION FILED MAR. 22, 1904.

NO MODEL.

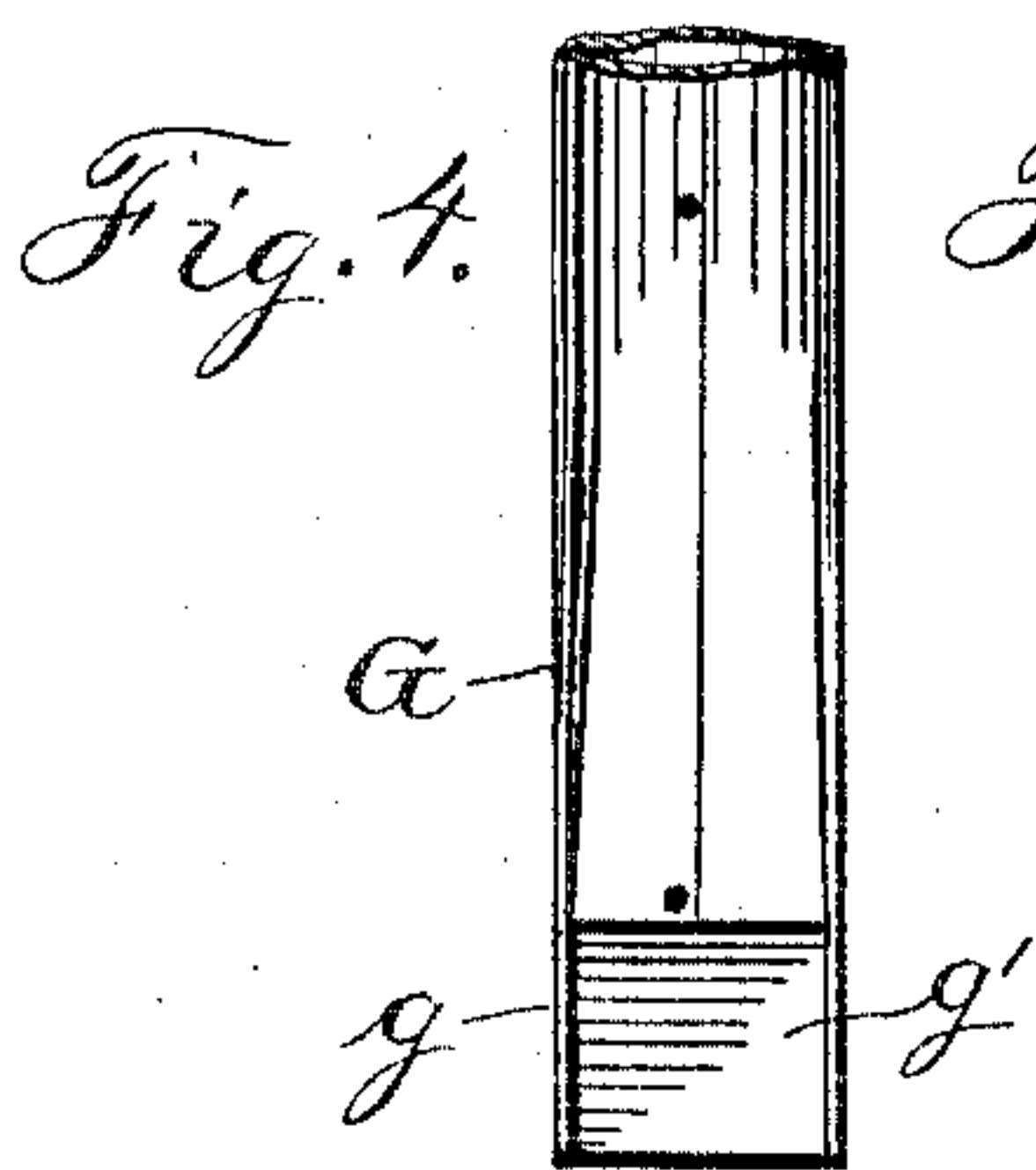
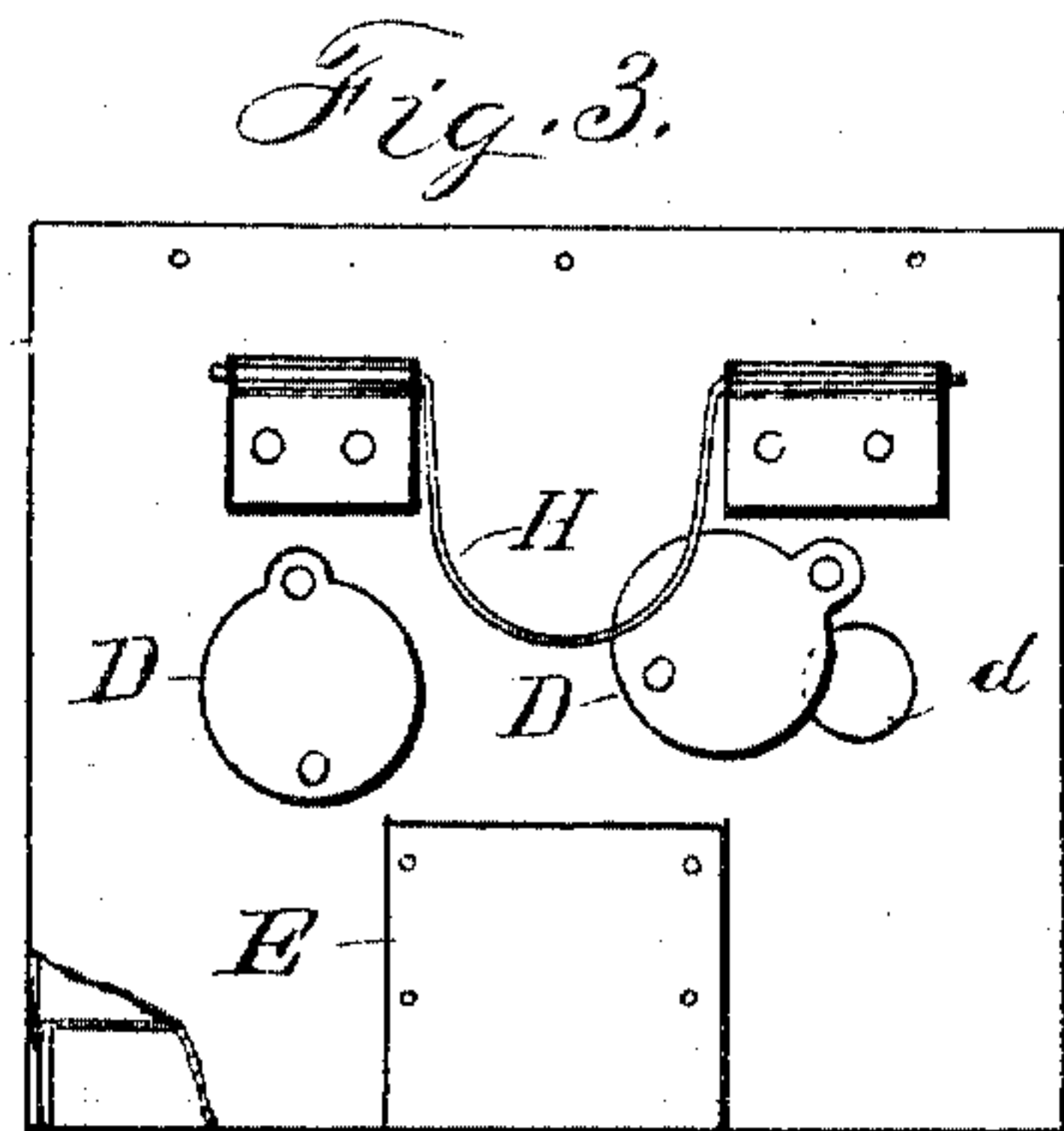
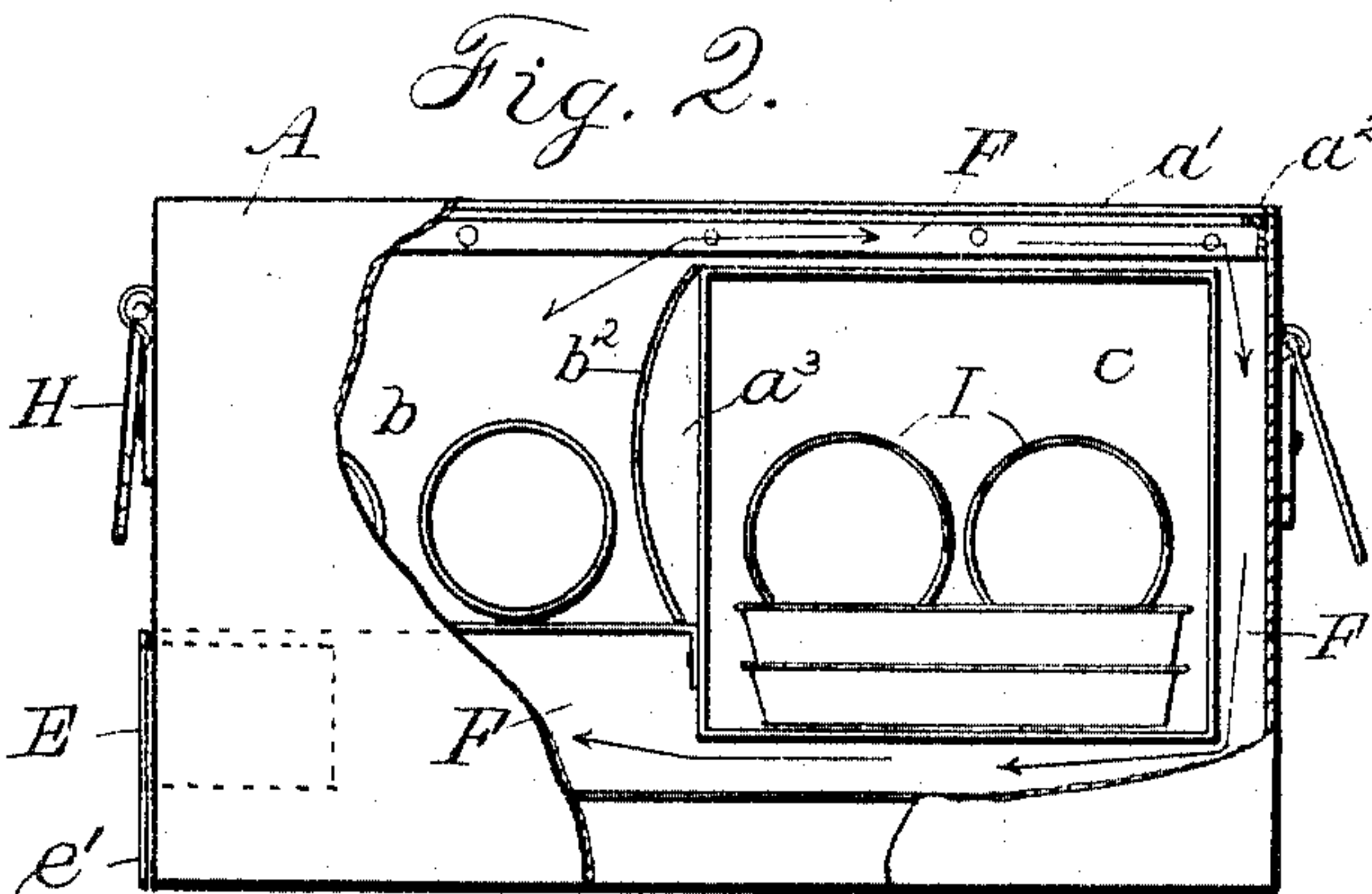
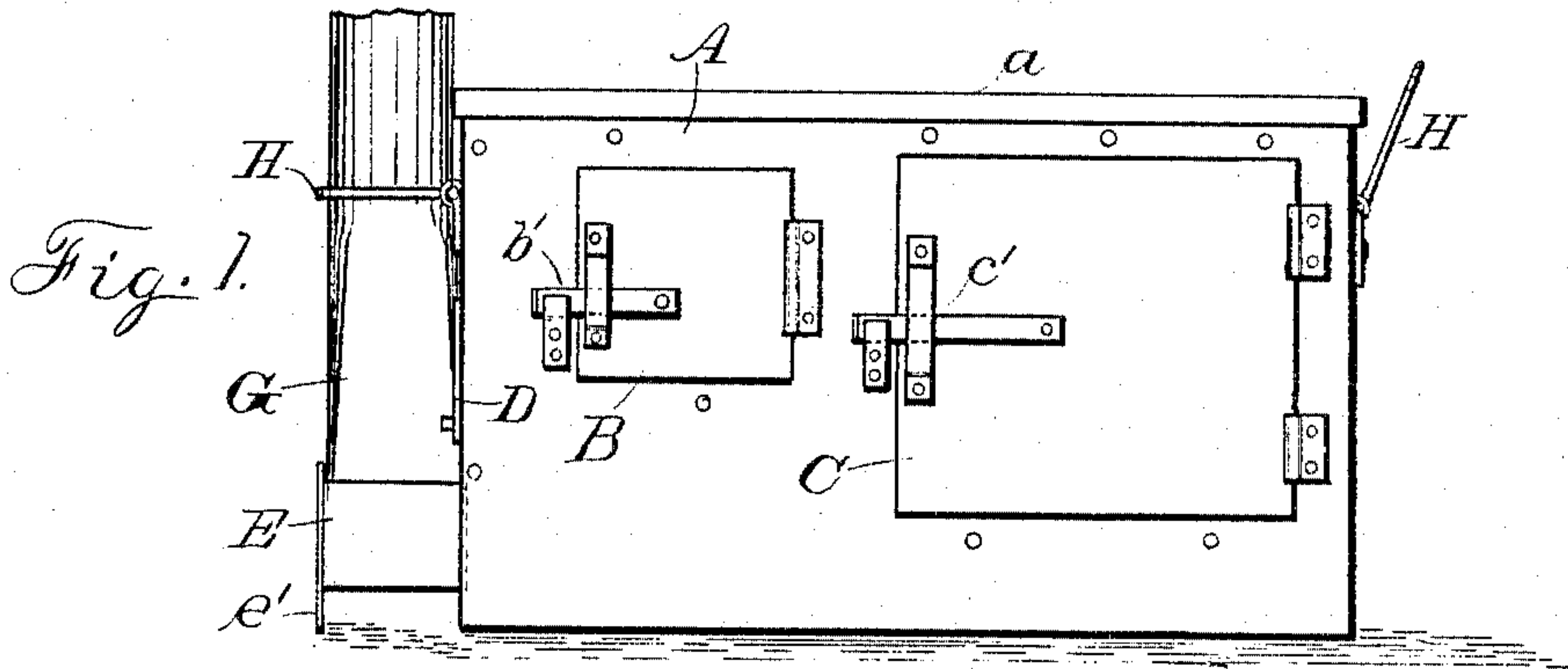
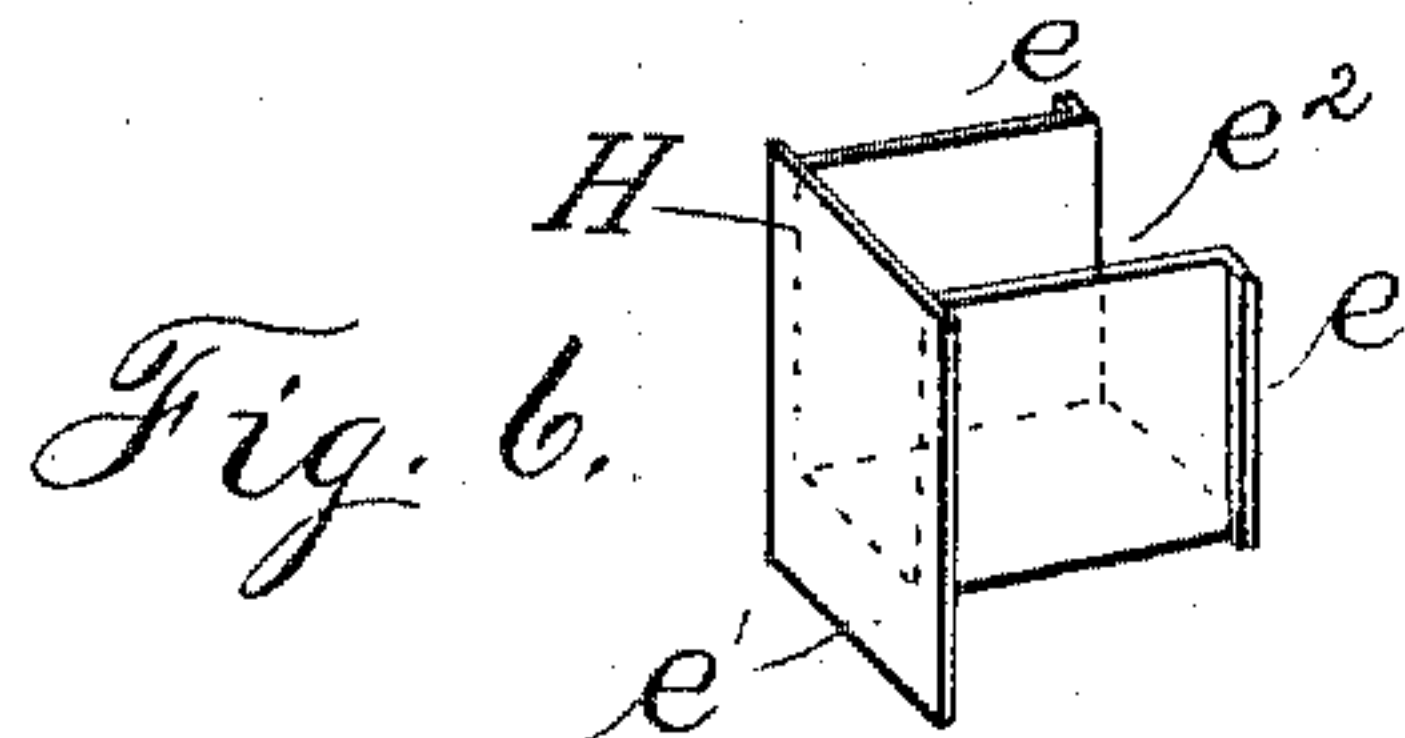
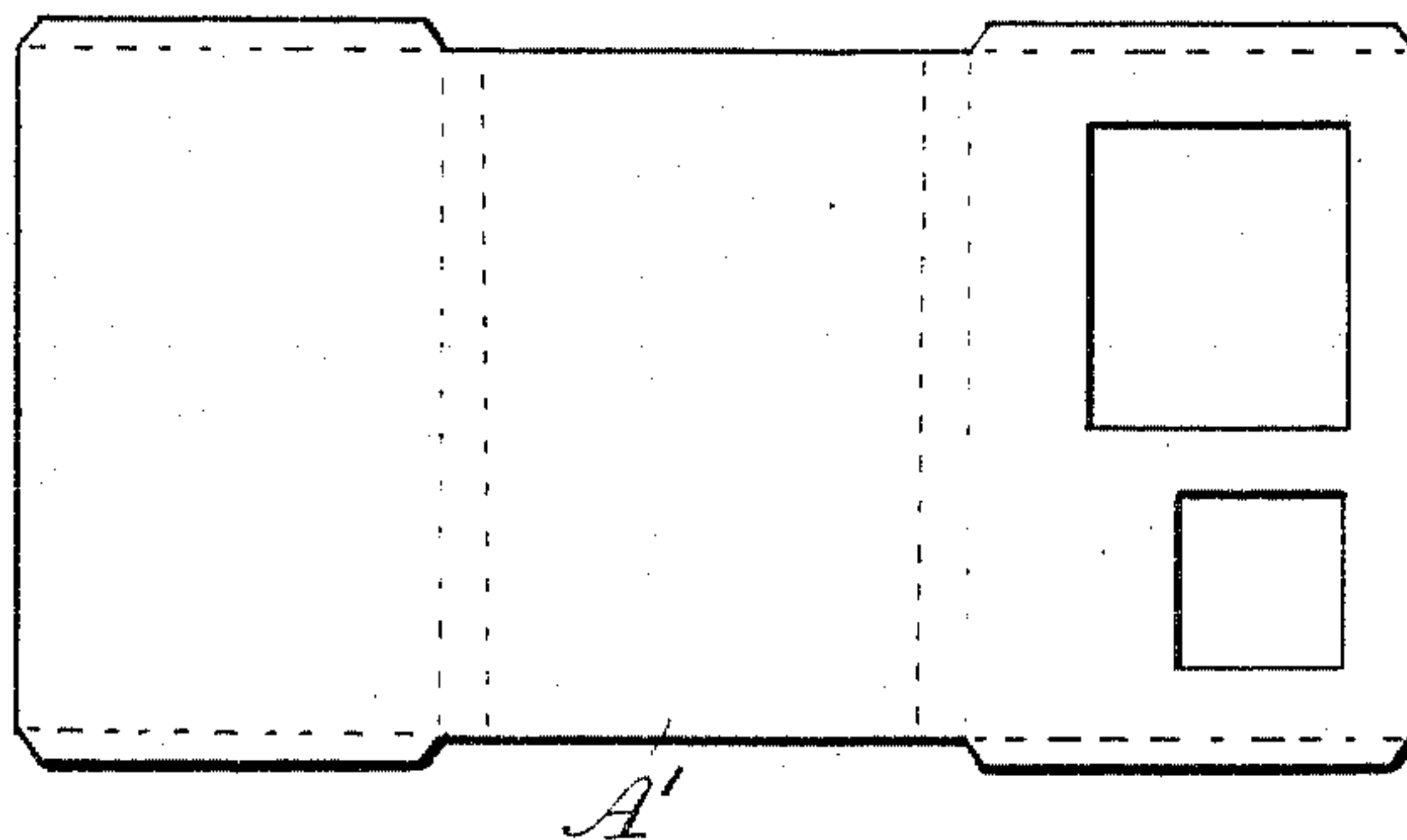


Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE.

EZRA T. STEVENSON, OF SALT LAKE CITY, UTAH.

PORTABLE STOVE.

SPECIFICATION forming part of Letters Patent No. 776,151, dated November 29, 1904.

Application filed March 22, 1904. Serial No. 199,435. (No model.)

To all whom it may concern:

Be it known that I, EZRA T. STEVENSON, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented new and useful Improvements in Portable Stoves, of which the following is a specification.

My invention relates especially to cooking-stoves, and is adapted to be packed in small compass for transportation and use in army camps or wherever a light portable stove is required.

The device comprises a light body to be placed on the ground or on any preferred support, a fire-box, an oven, and an adjustable pipe connection, with a pipe adapted to be used therewith.

This stove may be made of any desired material, but, excepting the top plate, is preferably made of sheet-iron.

The accompanying drawings illustrate the invention, its various features being referred to by letters, similar letters denoting corresponding parts in the several views.

In the drawings, Figure 1 is a side elevation of the invention. Fig. 2 is a similar view packed for transportation, but with the cover removed and with a part of the front broken away. Fig. 3 is an end elevation with the cover removed. Fig. 4 is an elevation of part of the first joint of pipe. Fig. 5 is a blank used in the construction of a part of the stove, and Fig. 6 is a perspective of the adjustable pipe-seat.

The letter A indicates the body of the stove, having a cover a and a top plate a' . The sides and bottom of the stove are preferably made from a blank A' , (shown in Fig. 5,) which is bent on the dotted lines and attached by its flanges to the end pieces of the stove. It is better to make the plate a' of cast-iron, as some additional weight and rigidity are desirable in it. In large stoves this plate may advantageously be formed in two or three pieces to facilitate handling and packing. The top

plate and cover may be used separately or together, as circumstances may require. The plate is supported by a flange or bracket a^2 .

B is the door opening into the fire-box b , and C is the door to the oven c . These doors are suitably hinged and provided with fastenings b' c' , respectively.

D D are covers to the draft-holes d , which open into the fire-box. The fire-box and oven are riveted to the front and rear sides of the body A, so as to provide a continuous smoke and heat flue F from the fire-box, over the oven, down its opposite side, and forward underneath both the oven and the fire-box to a pipe-seat E. The rear side b^2 of the fire-box next to the oven is curved away from the oven to provide an air-space a^3 between the fire-box and oven to secure an equal distribution of heat in the latter.

E indicates the movable pipe-seat, which opens into the flue F. It consists of a drawer in the end of the stove below the fire-box. Its inner end e^2 is open and is provided with flanges e to prevent its detachment from the stove. Its front end has the downward extension e' to support it when the pipe is in place.

The lower end g of the first joint of pipe G is squared, so as to fit into the drawer E, and a lateral opening g' at its lower end opens into the flue F.

H H are handles attached to the ends of the stove, and one of them is adapted to encircle and hold the pipe G. Additional joints of pipe I are provided, as desired, and all the pipes are made of a size that will permit them to be packed with other stove belongings in the fire-box and oven.

Having described the invention, what I claim, and desire to secure, is—

1. In a portable stove a movable pipe-seat, a pipe therein and stove-handles, one of which is adapted to encircle said pipe and retain it in operative position, as described.
2. In a portable stove having its lower

smoke-flue elevated above the supporting edges of the stove-body and a pipe-seat movable in said flue, a downward extension on the front end of said pipe-seat for the purpose
5 specified.

3. In a portable stove having a movable pipe-seat with its inner end opening into the stove smoke-flue, a smoke-pipe adapted to fit into said pipe-seat and having at its lower end a

lateral opening corresponding to the end opening in said pipe-seat as herein set forth. 10

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EZRA T. STEVENSON.

Witnesses:

JOSEPHINE M. BUCK,
FREDERICK HUFFMAN.