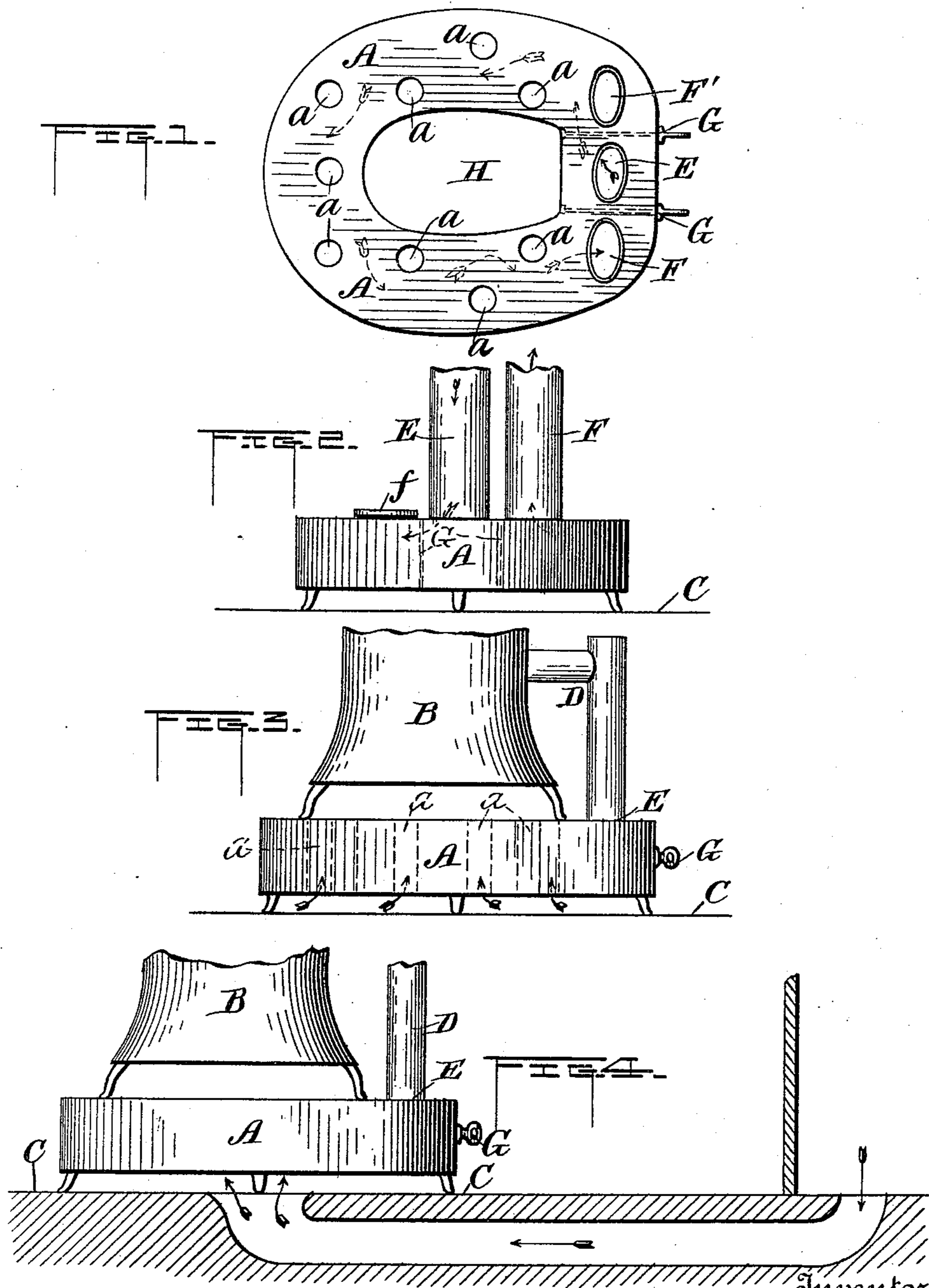


(No Model.)

J. D. RASEY.
AUXILIARY BASE FOR STOVES.

No. 480,212.

Patented Aug. 2, 1892.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN D. RASEY, OF OSHKOSH, WISCONSIN, ASSIGNOR OF ONE-HALF TO
F. M. HASBROUCK, OF SAME PLACE.

AUXILIARY BASE FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 480,212, dated August 2, 1892.

Application filed February 17, 1892. Serial No. 421,869. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. RASEY, a citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Auxiliary Bases for Stoves; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a separate auxiliary or sub base for stoves and furnaces; and the objects of my invention are, first, to provide a means of utilizing heat by radiation that usually is wasted by passing directly through the stovepipe and out of the chimney, and, second, to provide a system of additional heating by circulation in connection therewith.

In the accompanying drawings, Figure 1 is a top view of the base or drum; Fig. 2, a front view, and Fig. 3 a side view, in connection with the stove. Fig. 4 shows an adaptation to a cold-air-supply pipe.

Similar letters refer to similar parts throughout the several views.

A is the base or drum, which is placed under the stove B and is raised slightly above the floor C. The pipe D from the stove is elbowed down and enters the drum at E. The smoke and hot air from the stove pass around the drum A and flues *a a a a* and out through the pipe F to the chimney. Another opening is provided at F', so that the outlet-pipe may be attached to either side to accommodate it to the position of the stove relative to the chimney. One outlet-opening only is used at a time, the other being closed by a cap *f*.

G G are dampers, one of which is closed on the side to which the outlet-pipe is attached, so that the smoke and hot air are drawn around the drum before passing out. When not desiring the aid of the drum, both damp-

ers may be turned down. Then a direct draft is obtained to the chimney.

H is a central passage, and *a a a a* flues, through which the cold air from near the floor is drawn and heated, causing upward circulation.

A cold-air register may be placed in the floor below the passage H and connected with the pipe *n*, Fig. 4, to draw the cold air from without the building or from some other part of the room or building.

The drum A may be located between the legs below the stove, so as not to raise it from the floor, or the stove may stand upon the drum, as shown in the drawings.

What I claim as my invention is—

1. An auxiliary heating base or drum located directly beneath the stove, connected with the stovepipe, and provided with an inlet-passage, two or more outlet-passages F and F', caps *f*, and damper G, whereby the products of combustion are caused to pass entirely around the drum and thoroughly heat the same, substantially as described.

2. A portable heating-drum located beneath and outside the stove near the floor and connected directly with the stove by an inlet-pipe E, through which the products of combustion pass from the stove directly into the drum, the said inlet-pipe being independent of the stovepipe, and the drum also connected to the stovepipe by an outlet-pipe F, through which the products of combustion pass from the drum directly to the stovepipe, said outlet-pipe F being independent of the inlet-pipe, and a damper G, located in the drum for directing the products of combustion entirely around the drum, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN D. RASEY.

Witnesses:

EDWIN CLIFFORD,
CHARLES J. SCHMIDT.