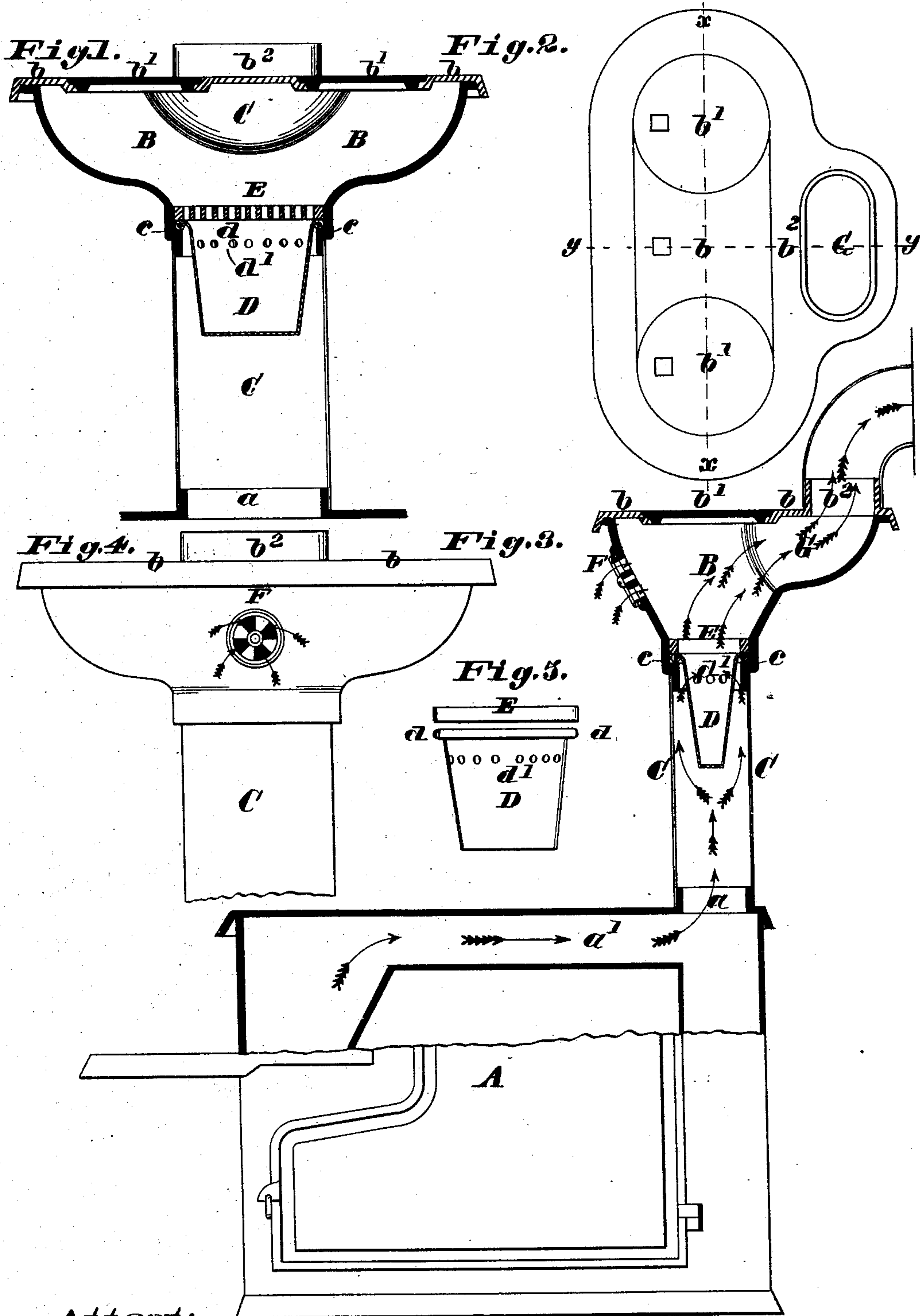


(No Model.)

E. P. CORBY.
COOKING STOVE.

No. 244,859.

Patented July 26, 1881.



Attest:
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UNITED STATES PATENT OFFICE.

EDWARD P. CORBY, OF ST. LOUIS, MISSOURI.

COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 244,859, dated July 26, 1881.

Application filed May 3, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDWARD P. CORBY, of St. Louis, Missouri, have made a new and useful Improvement in Cooking-Stoves, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a vertical section, taken on the line $x x$ of Fig. 2; Fig. 2, a plan; Fig. 3, a vertical section, taken on the line $y y$ of Fig. 2, and showing, partly in section and partly in side elevation, a cooking-stove in connection with the improvement, and showing, also, a joint of pipe attached to the collar of the attachment; Fig. 4, a front elevation of the attachment, and Fig. 5 a side elevation of the ash-pan and grate used in the attachment.

The same letters denote the same parts.

The aim of the present improvement is, mainly, to provide means whereby the advantages of what is termed a "summer cook-stove" can be conveniently obtained in connection with the ordinary large cooking-stove. It has relation to the means used in supporting the fuel and ashes in the attachment, and in admitting the air thereto.

In the drawings, A, Fig. 3, represents a cooking-stove of the usual construction.

B represents a fuel-chamber, supported and connected with the stove A by means of the pipe or tube C, the latter at its lower end being attached to the collar a of the stove, and at its upper end leading into or connecting with the chamber B, and so that when it is desired to use the stove A in the ordinary manner the products of combustion can escape through the tube C and chamber B, as through an ordinary escape-pipe. The chamber B in its general outline may resemble the usual summer cook-stove, having the top b , lids b' b'' , and collar b^2 .

D represents an ash-pan having the flange d and air-holes d' , the latter being arranged in the shell of the pan, near the upper end thereof.

The pan is supported in position to receive the ashes from the chamber B, and so as to prevent the ashes from falling through the tube C into the stove A. This is conveniently effected by letting the flange d rest upon a ledge, e , which may be either in the lower end

of the chamber B or in the tube C. A grate, E, rests upon the pan D. Both pan and grate are detachable, being made to be withdrawn from the tube C and chamber B, when desired, as when the main stove A alone is being used. The chamber B may also have a register, F, to admit air to the chamber above the ash-pan D. The pan D and tube C and chamber B are relatively so shaped as to provide for the passage of air through the tube C, around the pan and to the holes d' , and thence upward into and through the chamber B and exit G; for when it is desired to use the attachment B C D E as a summer cook-stove the air may be supplied to the fuel upon the grate E, either through the flue a' of the stove A and thence through the tube C, holes d' , and grate E, or through the register F; or the air may be simultaneously supplied through the tube C and register F, as indicated by the arrows in Fig. 3.

By arranging the holes d' near the top of the pan D the ashes can be caught in the pan and kept from falling into the tube C. It is sometimes, however, an advantage to admit the air exclusively through the register F, as when it is desired to check the fire in the chamber B, or to cool the top b .

I claim—

1. In combination with a stove, A, the chamber B, tube C, and grate E, substantially as described.

2. In combination with a stove, A, the chamber B, grate E, pan D, and tube C, substantially as described.

3. The combination of the grate E, chamber B, tube C, and pan D, having the holes d' , substantially as described.

4. In combination with a stove, A, the tube C, grate E, and the chamber B, having an ash-pan and a register, F.

5. The combination of the stove A, grate E, tube C, and chamber B, having the register F, substantially as described.

6. The combination of the stove A, tube C, chamber B, having the register F, the pan D, having the holes d' , and the grate E, substantially as described.

EDWARD P. CORBY.

Witnesses:

CHAS. D. MOODY,
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