

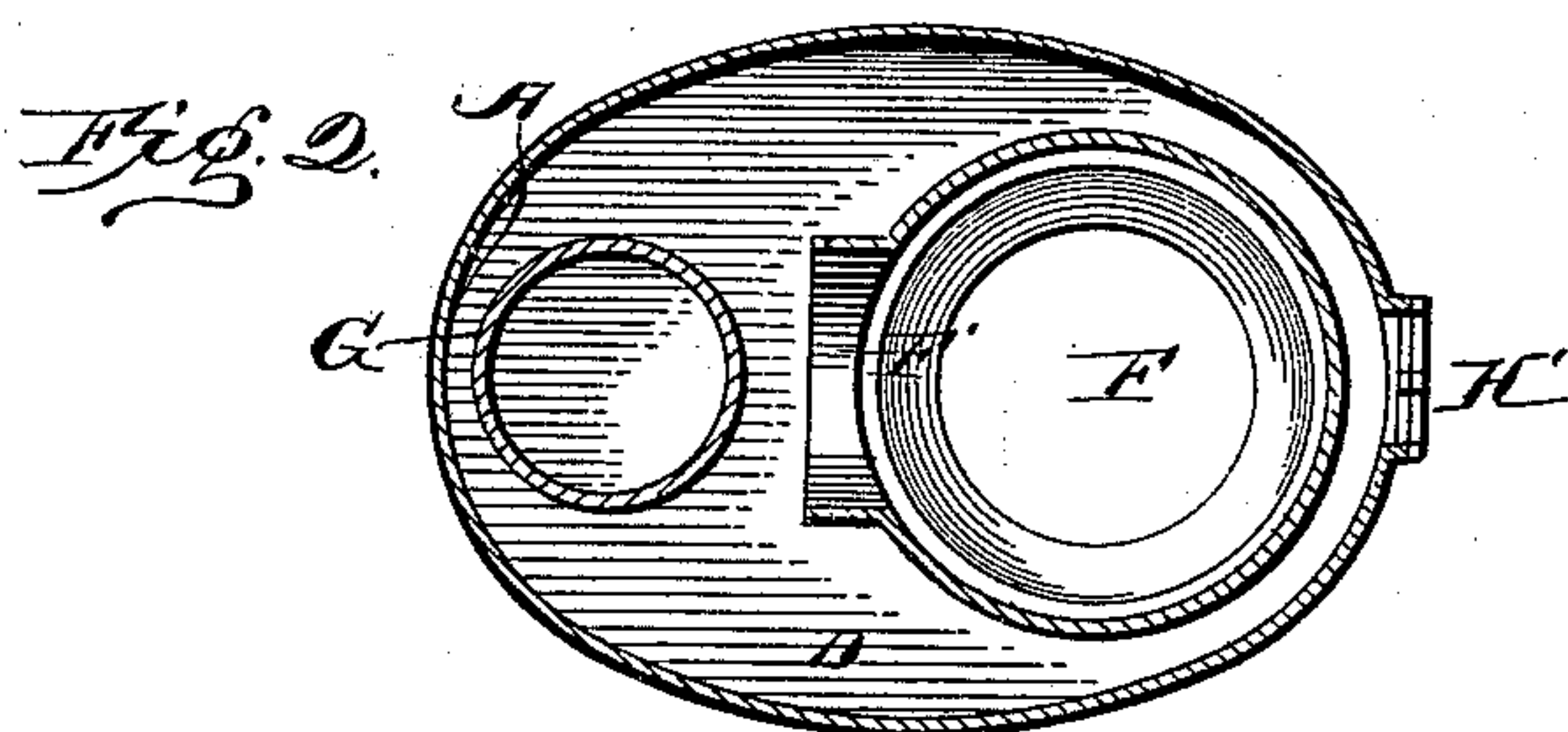
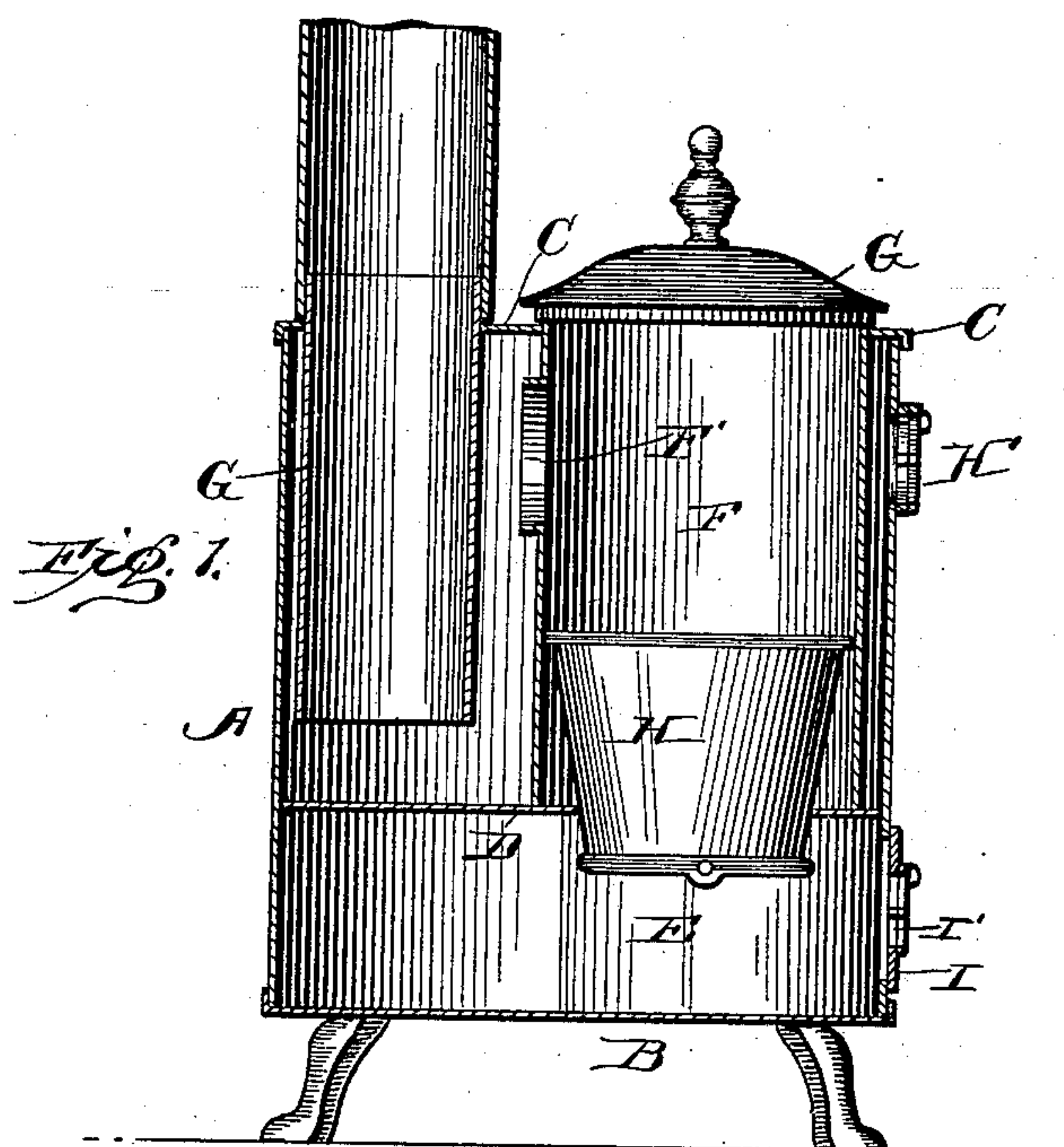
No. 623,115.

Patented Apr. 11, 1899.

H. C. BAKER.
HEATING STOVE.

(Application filed May 31, 1898.)

(No Model.)



Witnesses:

J. M. Fowler Jr.
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Inventor:

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by

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UNITED STATES PATENT OFFICE.

HENRY C. BAKER, OF QUINCY, ILLINOIS, ASSIGNOR TO THE QUINCY
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HEATING-STOVE.

SPECIFICATION forming part of Letters Patent No. 623,115, dated April 11, 1899.

Application filed May 31, 1898. Serial No. 682,180. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. BAKER, a citizen of the United States, residing at Quincy, in the county of Adams and State of Illinois, have invented certain new and useful Improvements in Heating-Stoves; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the letters of reference marked thereon.

This invention relates to improvements in heating-stoves; and it consists in certain novel details of construction and combinations and arrangements of parts, all as will be now described, and the particular features of novelty pointed out in the appended claim.

In the drawings, Figure 1 is a vertical longitudinal section of a stove constructed in accordance with the present invention. Fig. 2 is a horizontal section on the line $x x$, Fig. 1.

Like letters of reference in both figures indicate the same parts.

The letter A represents the outer shell or body of the stove, of sheet-iron and preferably elliptical in form, having the bottom B and the top C.

Located within the body A, near the bottom, is a division-plate D, dividing the body into an upper and a lower chamber, the latter constituting the ash-pit E.

Extending down into the body of the stove and resting on the division-plate is a fuel-magazine F, preferably cylindrical in form, closed at the top by a cover G and inclosing at the bottom the fire-pot, which latter is supported in the division-plate D, and in the back of the magazine near the top is an opening F', all as clearly shown in Fig. 1.

The fuel-magazine F, it will be noted, is located a short distance from the front of the body of the stove, so that there is a space left between the wall of the magazine and stove-body, as shown in Fig. 2.

Extending down into the stove-body, at the rear thereof, is a draft-pipe G', which pipe at the top communicates with the usual pipe

for carrying off the products of combustion. The draft-pipe G' extends down below the top level of the fire-pot to within a short distance of the division-plate D.

At a point in the wall of the stove-body opposite the opening in the magazine F is an opening H', the size of the opening being regulated by means of a ventilating-damper, and air from the room will be drawn in and pass around the magazine F, down and thence up the draft-pipe, thereby securing perfect ventilation. The air through the upper ventilating check-draft opening, it will be noted, never comes in contact with the fire, and thus the life of the fire will be prolonged and also resulting in the saving of fuel.

In the ash-pit door I is an ordinary draft-opening I'.

In starting the fire the upper ventilating check-draft is closed and the lower ash-pit draft opened, the draft passing up through the fire and out at the opening in the back of the magazine, thence down and up through the draft-pipe. When the fire is started, the lower ash-pit draft must be closed and the upper ventilating check-draft open.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States of America, is—

In a heating-stove the combination with the stove-body, of the division-plate located near the bottom thereof, the fuel-magazine extending into the stove-body near the front, leaving a space between the wall of the magazine and stove-body, resting on the division-plate and having the opening in the back near the top, a draft-pipe extending into the stove-body at the rear to within a short distance of the division-plate, an upper ventilating check-draft opening in the front of the stove-body above the fire-pot, and a lower draft-opening below the fire-pot; substantially as and for the purpose set forth.

HENRY C. BAKER.

Witnesses:

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