

(No Model.)

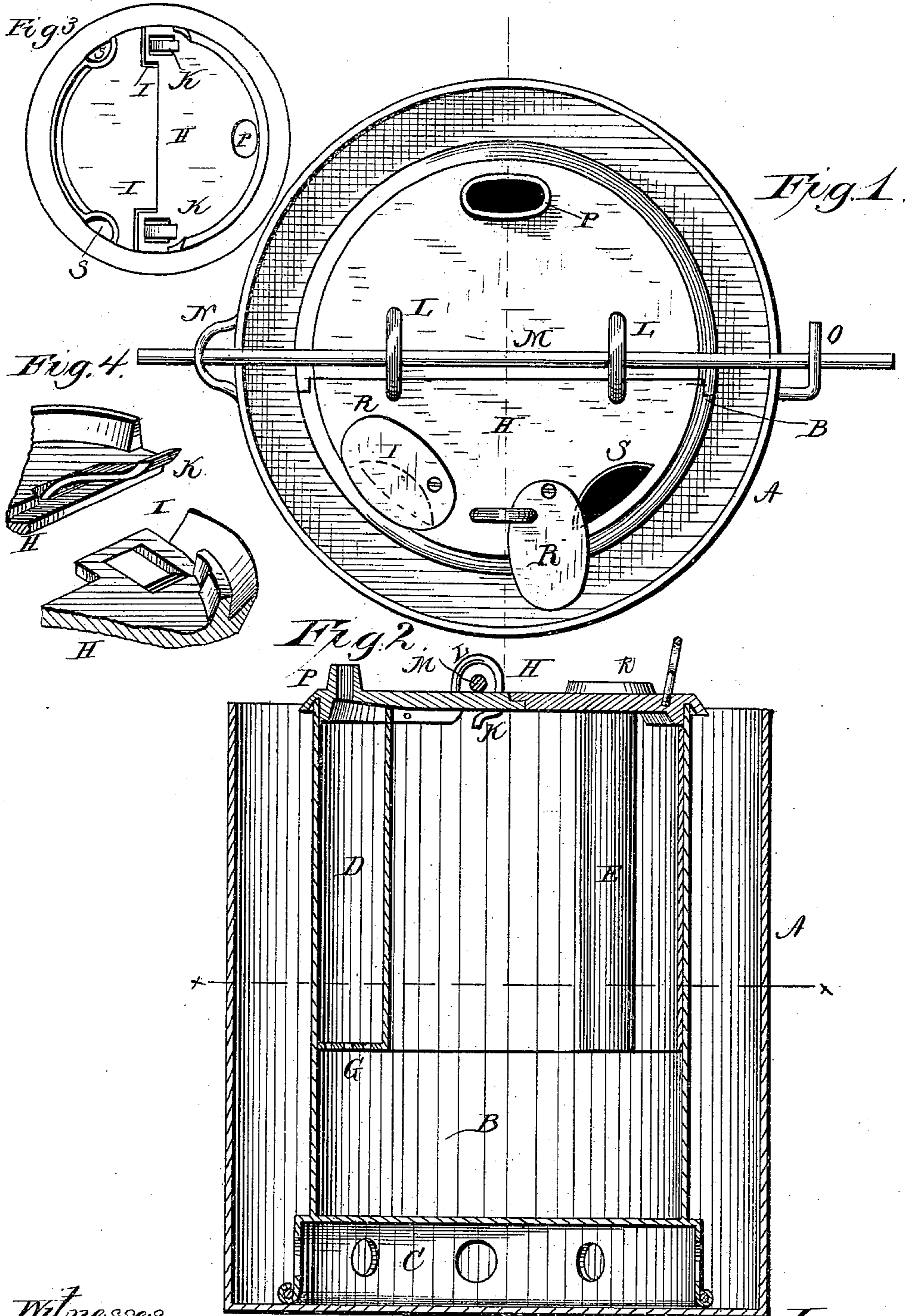
2 Sheets—Sheet 1.

W. W. KITTLEMAN.

FEED COOKER.

No. 245,510.

Patented Aug. 9, 1881.



Witnesses.
Frank L. Curand.
H. Aubrey Doulmin.

Inventor.
W. W. Kittleman
By Alexander & Masow
Attorneys

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2 Sheets—Sheet 2.

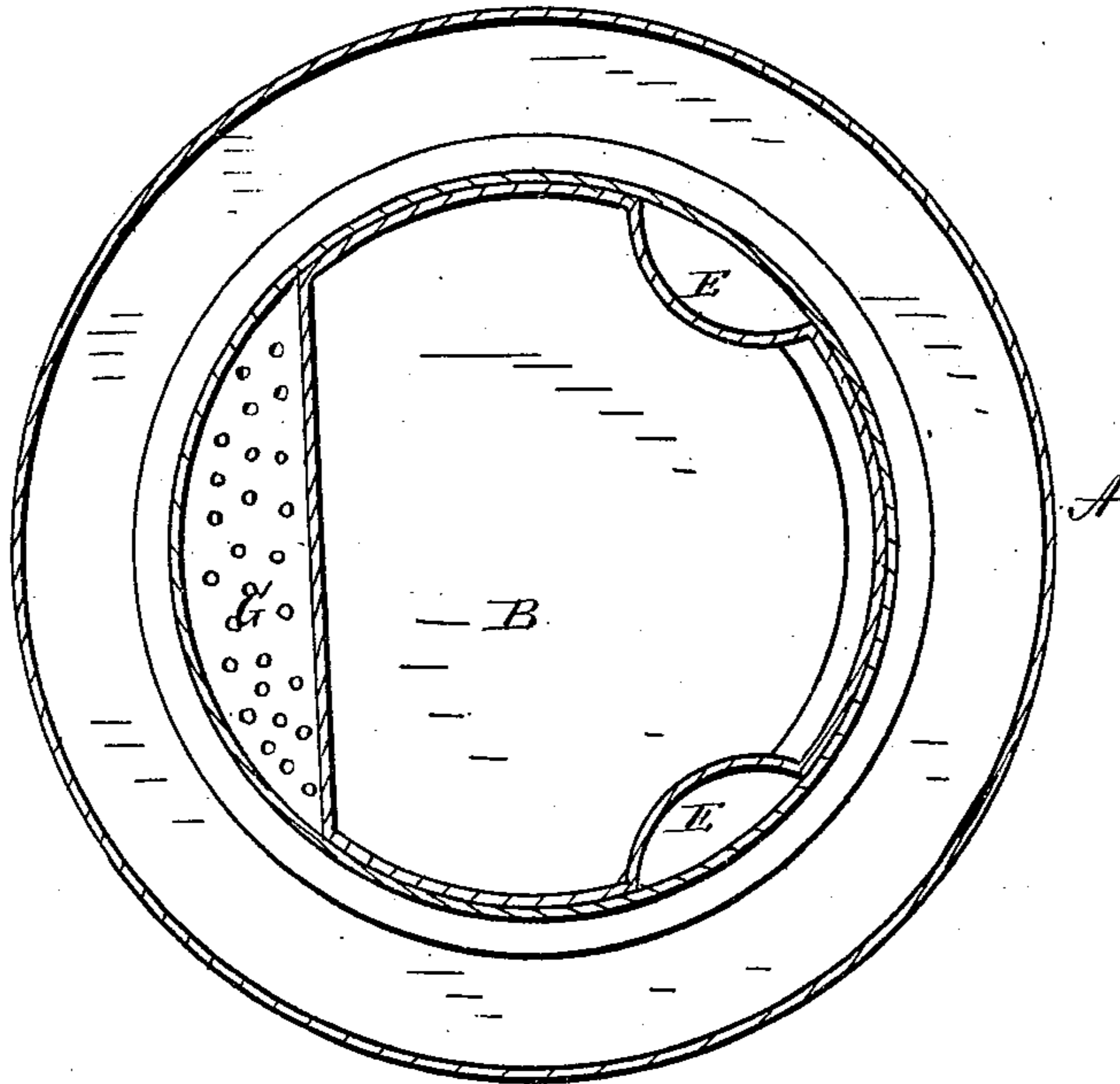
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Fig. 5



Witnesses,
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UNITED STATES PATENT OFFICE.

WILLIAM W. KITTLEMAN, OF HARPER, KANSAS.

FEED-COOKER.

SPECIFICATION forming part of Letters Patent No. 245,510, dated August 9, 1881.

Application filed April 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. KITTLEMAN, of Harper, in the county of Harper, and in the State of Kansas, have invented certain
5 new and useful Improvements in Feed-Cookers; and I do hereby declare that the following is a full, clear, and exact description of the invention, reference being had to the accompanying drawings, and to the letters of reference
10 marked thereon, making a part of this specification.

This invention has for its object to provide an apparatus which may be employed, in connection with an ordinary tub or other vessel,
15 to cook feed and other articles, as more fully hereinafter specified. This object I attain by the apparatus illustrated in the accompanying drawings, in which—

Figure 1 represents a top view of my apparatus entire. Fig. 2 represents a vertical diametrical section. Fig. 3 represents a view of the under side of the cover. Fig. 4 represents
20 detailed views of the locking devices of the two parts of the cover; and Fig. 5 a transverse section of the apparatus, on a horizontal plane, passing above the grate.

The letter A indicates the outer vessel, which may be constructed of any suitable material and of any desired size or shape.

30 The letter B indicates an inner vessel or heater, which is cylindrical in shape and has a base, C, which is perforated, as indicated, to permit the circulation of water. The lower edge of the base is beaded, as shown, to give
35 it the requisite strength; and the edges of the vessel are double lapped, in order to form water-tight joints without the use of solder. Within the inner vessel is a fire-chamber, D,
40 and two vertical flues, E, which are formed by means of a single sheet of bent metal, as indicated, and secured in the upper part of the vessel B by means of bolts, so that the said sheet may be readily removed and replaced when
burned out.

45 The letter G indicates the grate of the fire-

chamber, which is formed by bending the lower edge of the removable sheet and perforating it.

The letter H indicates the top or cover of the heater. The said top is constructed in two parts, one part being provided with slotted
50 lugs I, with which the curved lugs K on the other portion are adapted to engage to secure the two parts together. Each part of the top is provided with staples L, through which is
55 adapted to pass a confining-rod, M, which is secured by the eye N and catch O on opposite sides of the outer vessel.

The letter P indicates the smoke-exit, formed in the top; and the letters R indicate two dampers, pivoted over openings S, directly above
60 the vertical flues, for regulating the admission of air to the interior of the vessel B.

The operation of my invention is as follows: Fire is kindled in the fire-chamber and the cover is properly secured. The outer chamber
65 is then properly filled with water and the feed to be cooked, and the fire is allowed to burn with more or less intensity, according to circumstances, by admitting the air through the air-flues.
70

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The inner chamber, vessel, or heater, B, provided with a perforated base, C, and having a
75 fire-chamber, D, provided with a grate, G, and the air-flues E, the said fire-chamber, grate, and air-flues being formed, in connection with the casing B, of a single sheet of metal bent into proper shape and secured within the said
80 casing B, substantially as and for the purposes specified.

In testimony that I claim the foregoing I have hereunto set my hand this 14th day of March, 1881.

WILLIAM WICK KITTLEMAN.

Witnesses:

JAY BAKER,

JOHN B. GLENN.