(No Model.)

J. A. STABEL.

CULINARY VESSEL.

No. 282,394. Patented July 31, 1883.

Fig. 1.

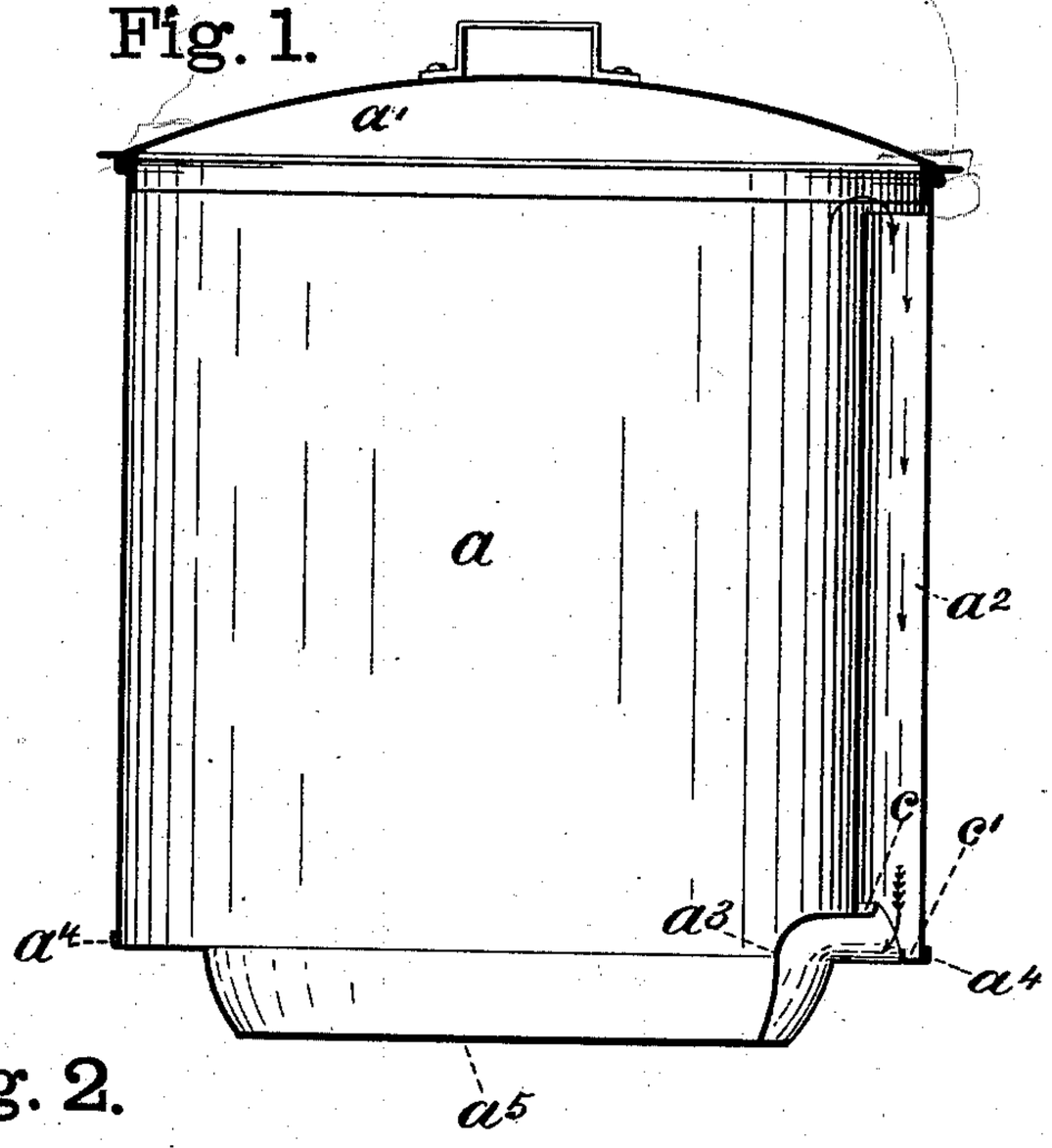


Fig. 2.

Fig. 3.

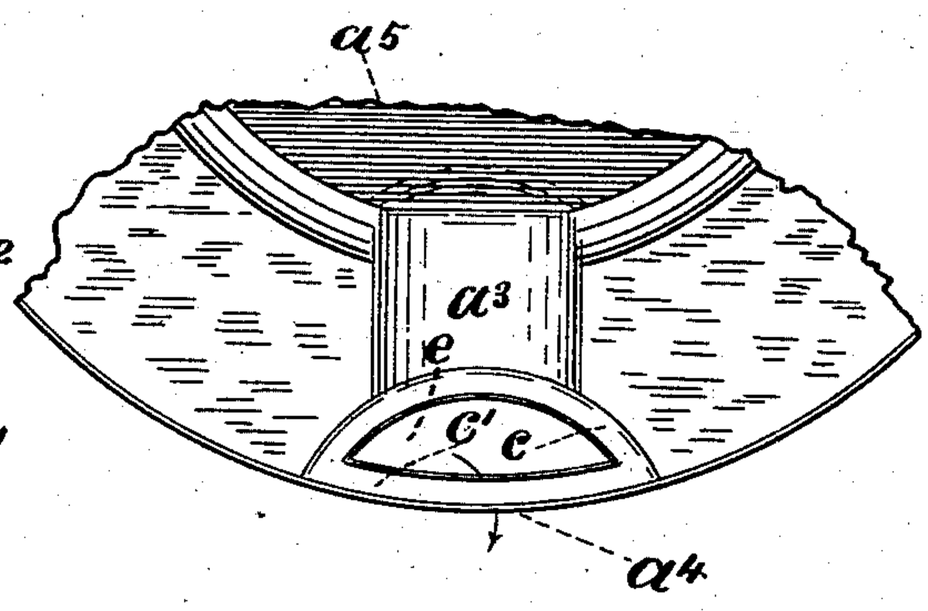
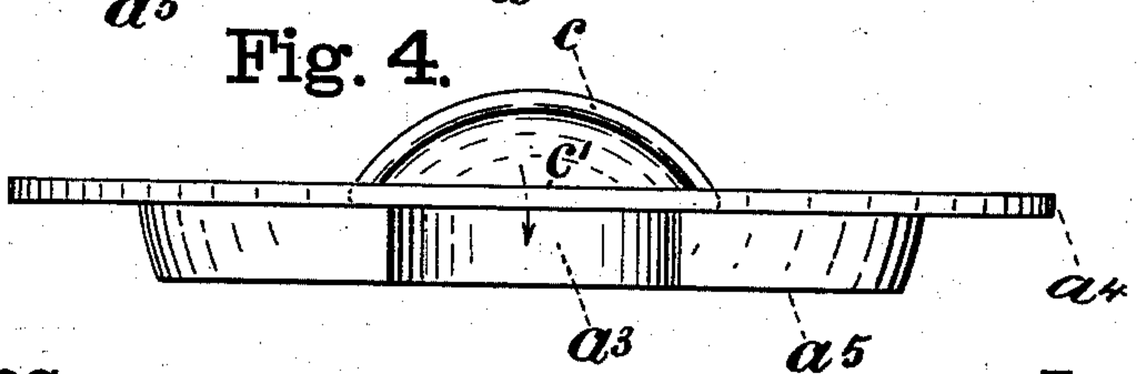


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN A. STABEL, OF BUFFALO, NEW YORK.

CULINARY VESSEL.

SPECIFICATION forming part of Letters Patent No. 282,394, dated July 31, 1883.

Application filed May 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. STABEL, a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Culinary Vessels, of which the following is a specification.

My invention relates to a certain means for carrying off the vapors and odors as they arise during the process of boiling, and thereby prevent them from coming into the room, as will be fully and clearly hereinafter shown by reference to the accompanying drawings, in which—

Figure 1 is a vertical central section through a boiler and through the tube and its parts for carrying off the vapor. Fig. 2 is a vertical central section through a flat-flottomed boiler, showing my invention connected thereto. Fig. 3 is an enlarged top view of a boiler-pit made according to my invention, and Fig. 4 is a side elevation of a boiler-pit.

The object of my invention is to provide the means for carrying off the vapor and vaporizing the condensation, so as to prevent the water of condensation from dripping down onto the stove, and also to prevent the melting of the solder, as will be more clearly hereinafter shown.

The boiler *a* may be of any ordinary construction, and is provided with a vapor-tube, a^2. The pit a^5 is provided with an inwardly and upwardly projecting portion, a^3, on one side, so as to form a continuation of the flue a^2. On the upper portion of the part a^3 is a continuous groove or gutter, *c c'*, arranged so as to be within the tube a^2. In practice it is found that a portion of the vapor condenses on the sides of the vapor-tube, and, running down, drips on the stove under the boiler. The object of this part of my invention is to prevent this objection. The water drips into the groove or gutter and runs around and down to its lower part, next to the outside of the tube, where the water in the boiler does not reach either side of it, and where the heat reaches more readily and vaporizes it, and it is then drawn down into the stove. Another objection with the old method of construction is that when the water gets below the seam a^4 the heat often melts the solder above it around the bottom of the vapor-tube. My invention prevents this as long as there is any water in the boiler, because a portion of vapor condenses, as before mentioned, in the vapor-tube and runs down into the gutter or groove, thereby keeping the temperature down below the melting-point. The groove or gutter may be of any convenient shape, so that it is adapted to catch the water of condensation as it is being vaporized, and then drawn into the stove. By this means the vapor is all drawn into the stove out of the way and no part of it comes into the room, and the objectionable hissing noise caused by the water running onto the stove is prevented. The groove or gutter *c c'* surrounds the opening *e*.

I claim as my invention—

1. A culinary vessel provided with a vapor-tube extending down one side of the same, in combination with a bottom provided with an upwardly and inwardly projecting portion, a^3, adapted to fit the tube, and having a groove or gutter, *c c'*, extending downward and around the opening *e*, for the purposes described.

2. A bottom for culinary vessels, consisting of the part a^5, the upwardly and inwardly projecting portion a^3, having a groove or gutter, *c c'*, extending around the opening *e*, as and for the purposes specified.

JOHN A. STABEL.

Witnesses:
J. M. CALDWELL,
JAMES SANGSTER.