

(No Model.)

S. LETCHFORD.

ATTACHMENT FOR DOMESTIC BOILERS.

No. 253,728.

Patented Feb. 14, 1882.

Fig. 1.

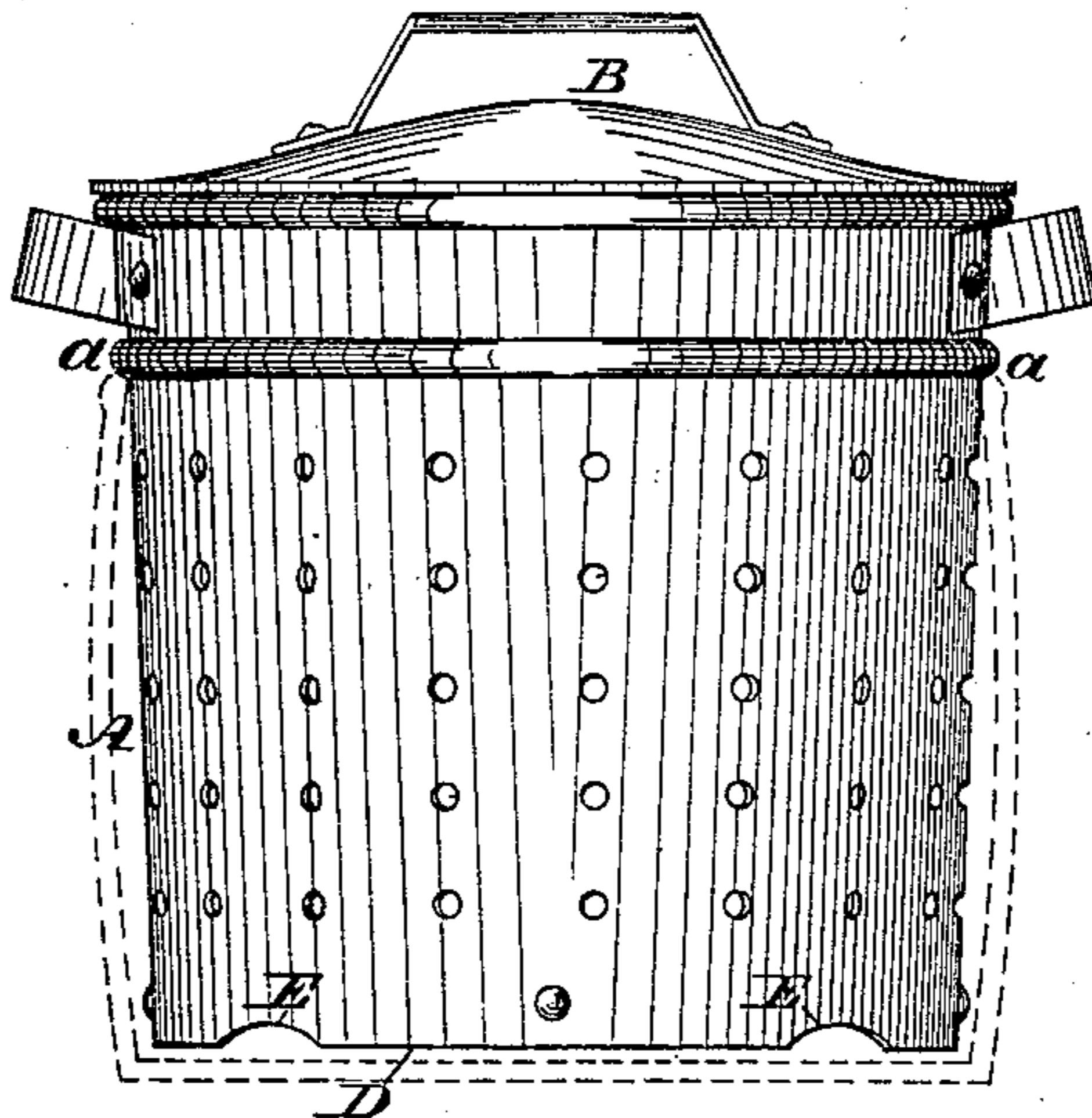
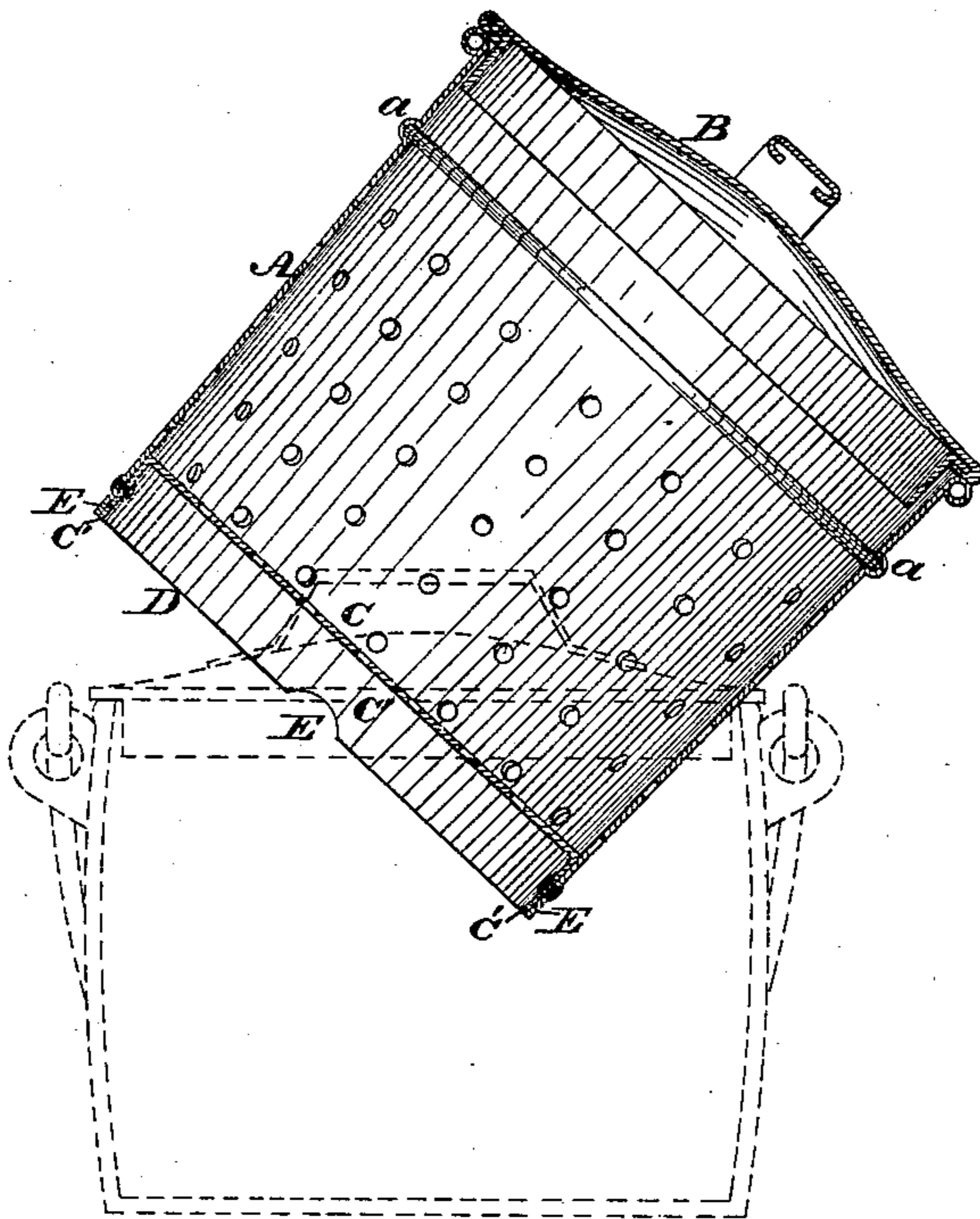


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## ATTACHMENT FOR DOMESTIC BOILERS.

SPECIFICATION forming part of Letters Patent No. 253,728, dated February 14, 1882.

Application filed June 24, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, SILAS LETCHFORD, a citizen of the United States, residing at Camden, in the county of Camden, State of New Jersey, have invented a new and useful Improvement in Attachments for Domestic Boilers, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of the attachment embodying my invention. Fig. 2 is a central vertical section thereof.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists of a vessel suspended within a boiler, kettle, saucepan, &c., the joint between them being steam-tight and the lid adapted to fit either part. Provision is made for preventing slipping of the vessel when supported on the top edge of the boiler for draining and other purposes, and also for re-enforcing the bottom of the vessel, all as will be hereinafter fully set forth.

Referring to the drawings, A represents the body of a vessel, which is formed of suitable metal, with an outwardly-pressed crimp or bead, *a*, near its top and perforated below said bead.

B represents the lid of the vessel, and C the perforated bottom thereof, the latter being elevated above the lower edge of the body, so that said bottom does not come in contact with the bottom of the boiler to which the vessel is applied, and the lid B practically fits either the body A or the boiler. The rim D of the body, below the bottom C, has its lower edge formed with two or more notches, E, at such intervals that when the vessel is supported in an inclined position on the top edge of the boiler, kettle, &c., two notches at opposite places will fit over the said edge and embrace the same. When the vessel is in position in the boiler the notches form channels between the rim D and bottom of the boiler for free circulation of the boiling water.

The operation is as follows: The vessel is fitted into the boiler and the latter supplied with the proper quantity of water. The vegetables, meat, or other articles to be boiled, steamed, or otherwise cooked are placed in the vessel and prevented reaching the bottom of the boiler by means of the elevated bottom C, whereby burning of the articles is avoided. The bead *a* forms a tight joint with the top of

the boiler, so that escape of steam is prevented, and owing to the perforations of the body and bottom of the vessel the water has a free circulation in the boiler, the diameter of the vessel being necessarily slightly less than that of the boiler. When the cooking is accomplished the vessel is set on the top edge of the boiler, and sustained thereon and prevented from slipping by the notches E, and the vessel may drain, and afterward, when required, be displaced and the contents removed.

The lid B may be fitted to the boiler so as to prevent the escape of steam or vapor of the boiling water, and when the vessel is again required said lid is removed and applied to the vessel, thus closing the vessel and boiler, the portion of the vessel above the bead *a* being imperforate.

As the bottom C sustains the weight of the articles in the vessel when the vessel is in the boiler, sustained thereon or removed therefrom, and the vessel may be roughly used both prior to or subsequently to service, or when fitted into the boiler, it is essential to secure the bottom C in a firm manner to the body A and strengthen the lower edge thereof. To this end the bottom is struck up or otherwise formed with a flange, C', which rests against the inner face of the rim D as a double thickness, and is secured thereto, thus strengthening said rim and the bottom C.

The space above bead *a* and below the upper edge or rim of the vessel leaves room for the attachment of lugs or handles.

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

1. The perforated body A, having the bottom C, formed with a flange, C', connected to the lower rim of said body, said flange being in one piece with said bottom, and said rim having notches E, substantially as set forth.

2. The combination, with an outer close vessel or boiler, of the body A, formed with a bead, *a*, below the top thereof, and having a perforated bottom, C, a bottom rim, D, provided with notches E, and a lid, B, adapted both to said body and to the containing boiler, substantially as and for the purpose set forth.

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Witnesses:

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