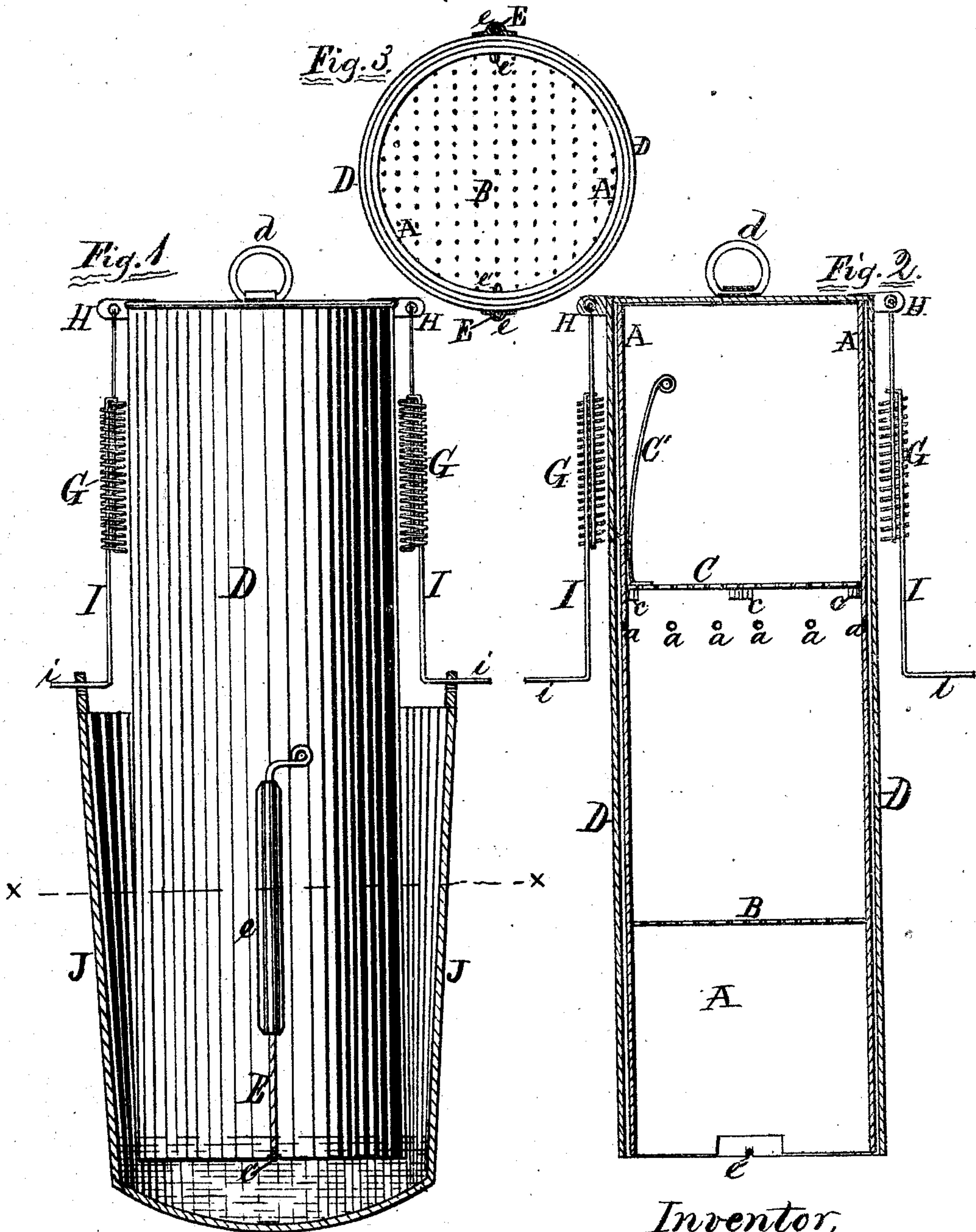


CHARLES E. WAHLGREN..

Improvement in Culinary Steamers.

No. 121,558.

Patented Dec. 5, 1871.



Witnesses:

Walt R. Richards.

J. J. Sunncliff.

Inventor,

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by W. B. Richards,
his Atty.

UNITED STATES PATENT OFFICE.

CHARLES E. WAHLGREN, OF GALESBURG, ILLINOIS.

IMPROVEMENT IN CULINARY STEAMERS.

Specification forming part of Letters Patent No. 121,558, dated December 5, 1871.

To all whom it may concern:

Be it known that I, CHARLES E. WAHLGREN, of Galesburg, county of Knox and State of Illinois, have invented certain Improvements in Culinary Steamers, of which the following is a specification:

The nature of my invention relates to improvements in that class of culinary steamers in which the articles to be cooked are suspended in a retaining vessel over a surface of boiling water; and the invention consists in an inside cylindrical vessel provided with perforated and removable shelves for holding the articles to be cooked, arranged to operate with an outside cylindrical cap or cover for retaining the steam, said outside cylinder being provided with appliances for securing the inside cylinder in place, and for securing both in place in the vessel containing water from which the steam is generated.

Figure 1 is a side elevation of a steamer embodying my invention. Fig. 2 is a vertical central sectional view of Fig. 1. Fig. 3 is a cross-section of Fig. 1 on the line *x x*.

A represents a cylindrical vessel open at both ends. B represents a fixed shelf in the vessel A, pierced with holes, as shown at Fig. 3. C is a movable shelf, resting on lugs *c c c*, projecting from the interior surface of cylinder A. C' is a handle attached to the shelf C. The shelf C is perforated similar to the shelf B. D is a cylindrical cap or cover, closed at its upper end and fitting loosely over the cylinder A, and provided with a ring-handle, *d*, by which it may be lifted. E E are turn-catches, working in bearings *e e* on the cylinder D, their lower ends bent at right angles to form catches *e' e'*, and their upper ends bent in the same manner at right angles to the lower bend to form handles. G G are spiral springs, their lower ends bent and passed up through their coils, and then secured by eyes to the eyes H H on the upper end of the cap or cylinder D. I I are rods, with hooks *i i* at their lower ends, their upper ends passed up through the coils of the springs G and engaged with the upper ends of the coils, as shown.

The operation of my invention is as follows: The articles to be cooked are placed on the perforated shelves B C; the cap D is then put in place over the vessel A and the catches E E turned to secure the cylinder A in place while the whole is lifted by the handle *d*. Both cylinders may now be placed with their lower ends in any suitable vessel, J, containing water, the surface of which is not up to the lower shelf when the lower ends of the cylinders are pressed to the bottom thereof. The hooks *i i* may now be brought down and engaged with the rim, or with lugs or ears on the vessel J, holding the cylinders A D securely in position, while the steam arises and permeates through every part, cooking whatever may be contained in the cylinder A. The lower ends of the cylinders resting in the water, the steam arising therein strikes the articles on the shelves direct, without contact with outside air, the air in the cylinders becoming rarefied from the heat. Any number of movable shelves C may be used by providing lugs *c* for their support, the cylinder A being pierced with holes *a a a a* immediately below each shelf, through which the steam may pass to the shelves above when the perforations in a shelf below are obstructed. When desired, the cap D may be released and lifted off of the vessel A, and the movable shelves C lifted therefrom with their contents.

What I claim is—

1. The cylinders A and D, constructed as described, and arranged to operate with the vessel J, substantially as described, and for the purpose specified.

2. The catches E E, springs G G, hooked rods I I, and handle *d*, when combined and arranged to operate with the cylinders A and D, substantially as described, and for the purpose specified.

CHARLES E. WAHLGREN.

Witnesses:

PLATT R. RICHARDS,
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