

G. W. WORSTERS IMPROVED CULINARY STEAMER.

74873

Fig. 1.

PATENTED

FEB 25 1868

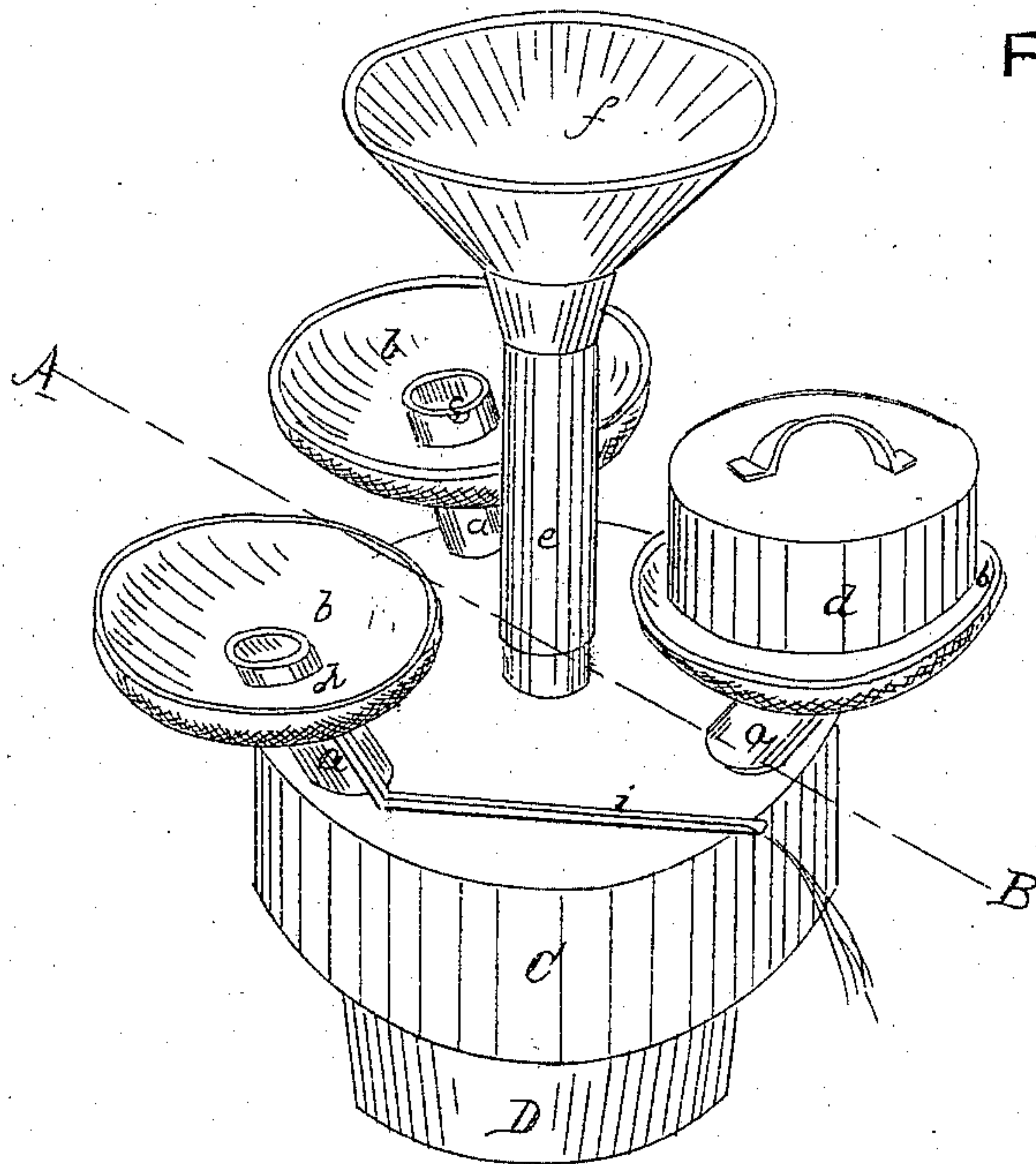
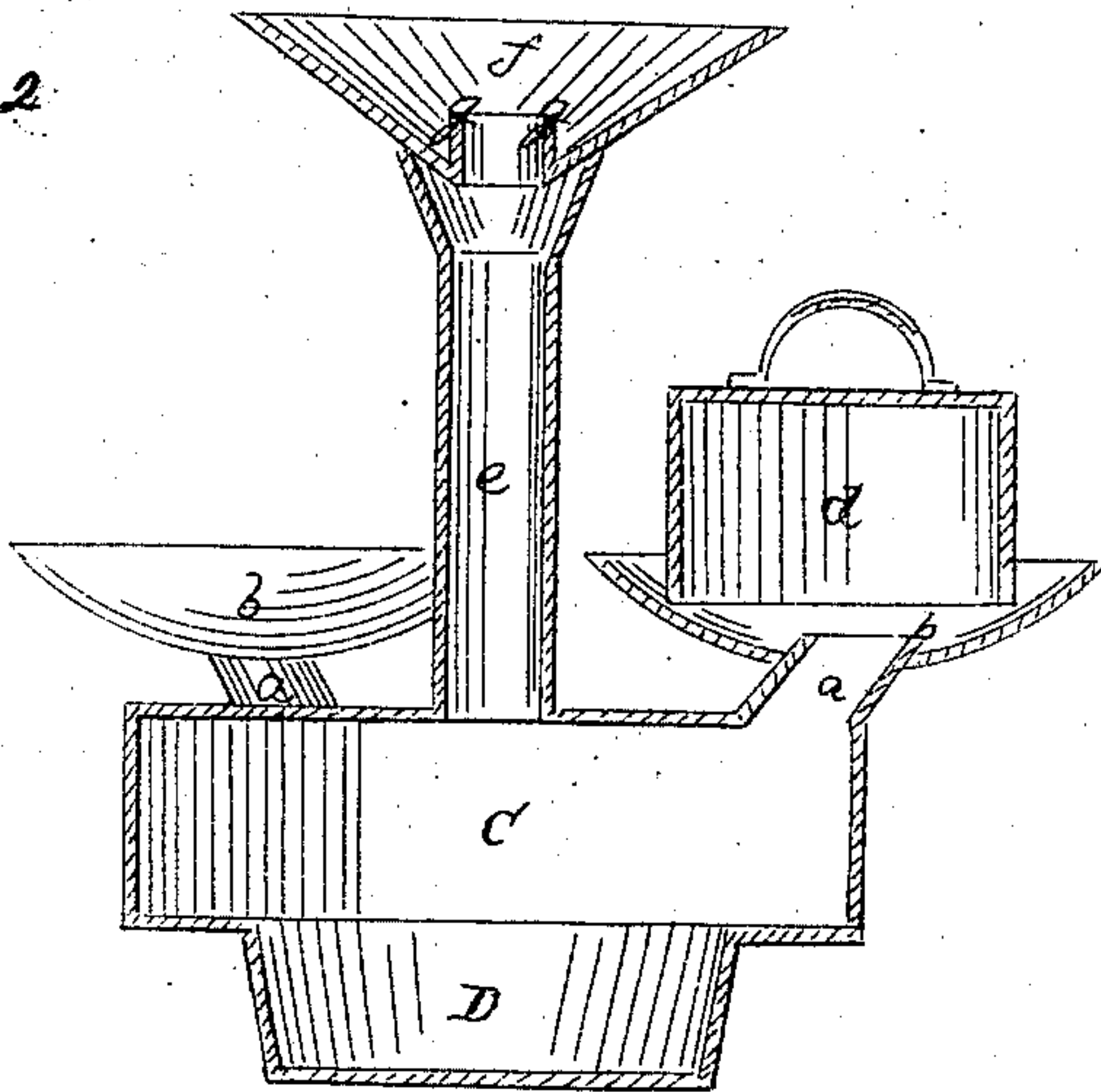


Fig. 2



Witnesses.

J. Reed.
T. W. Porter

Inventor.

G. W. Worster
By T. W. Porter
his Atty.

United States Patent Office.

GEORGE W. WORSTER, OF BANGOR, MAINE.

Letters Patent No. 74,873, dated February 25, 1868.

IMPROVEMENT IN CULINARY STEAMERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE W. WORSTER, of Bangor, in the county of Penobscot, and State of Maine, have invented a new and useful Improvement in Culinary Steamers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view, and

Figure 2 is a vertical section, taken on line A B, fig. 1.

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

The nature of my invention consists in combining with the water-tank a plurality of receptacles for the articles to be steamed, each of said receptacles having a separate steam-communication with the tank; also in a peculiarly-formed movable receptacle, to be used either in combination with the tank, or with any size of water-vessel usually employed in cooking.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the drawings, C represents the water-tank, with a smaller portion, D, which fits into the hole in the stove or range, and forms the direct fire-surface. This tank is provided with a cover, *j*, and is formed steam-tight. *a a a* are tubes, inserted in and firmly attached to cover *j*, and near the tops of these tubes are secured the receptacles *b b b*, in which are placed the articles to be steamed, and for this purpose covers, as shown at *d*, are employed to cover the food and confine the steam. By allowing the tubes *a a* to extend upward above the bottoms of the receptacles *b b*, as shown, the water condensed from the steam does not flow back into the tank, but, passing through hole *h*, flows off through conductor *i* to some vessel placed to receive it. Each of the receptacles *b b b* may communicate with the conductor *i* if desired, or the condensed steam may be conducted from each separately. By serrating the tops of tubes *a a*, as shown at *c c*, plates or other dishes may be placed in the receptacles *b b* without retarding the flow of steam. *e* is a movable tube, attached to a thimble in the centre of cover *j*, as shown. The top of this tube is slightly enlarged, and the receptacle *f* is placed upon it.

By thus using removable tubes in connection with the tank and receptacles, the capacity of the steamer is increased without a corresponding increase of size, and, when not in use, it is equally as compact as if of less capacity.

The receptacle *f* is formed with a circular rim, *g g*, which prevents the return of the condensed steam to the tank. This receptacle can be used upon ordinary kettles, varying in size from its greatest diameter to the diameter of rim *g g*, thus adapting it to a great variety of purposes.

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

1. Combining with tank C a plurality of receptacles, *b b b*, substantially in manner as described and shown.
2. Combining the receptacles *b b* with the tubes *a a*, so that the tubes prevent the return of the condensed steam to the tank, substantially in manner as and for the purposes specified.
3. Serrating the curbs or upper ends of tubes *a a*, as shown at *c c*, substantially as and for the purposes specified.
4. In connection with receptacles *b b*, a conductor, *i*, substantially as described and shown.
5. Combining with tank C, provided with fixed receptacles *b b*, a removable receptacle, *f*, substantially as described and shown.
6. The removable receptacle *f*, formed to fit vessels of various sizes by its outward flare, and provided with the interior rim *g g*, substantially as and for the purposes specified.

GEO. W. WORSTER.

Witnesses:

H. L. MITCHELL,

A. Y. CHAPMAN.