

No. 748,037.

PATENTED DEC. 29, 1903.

W. ASHERT.
DOMESTIC STEAMER.

APPLICATION FILED NOV. 24, 1902.

NO MODEL.

2 SHEETS—SHEET 2.

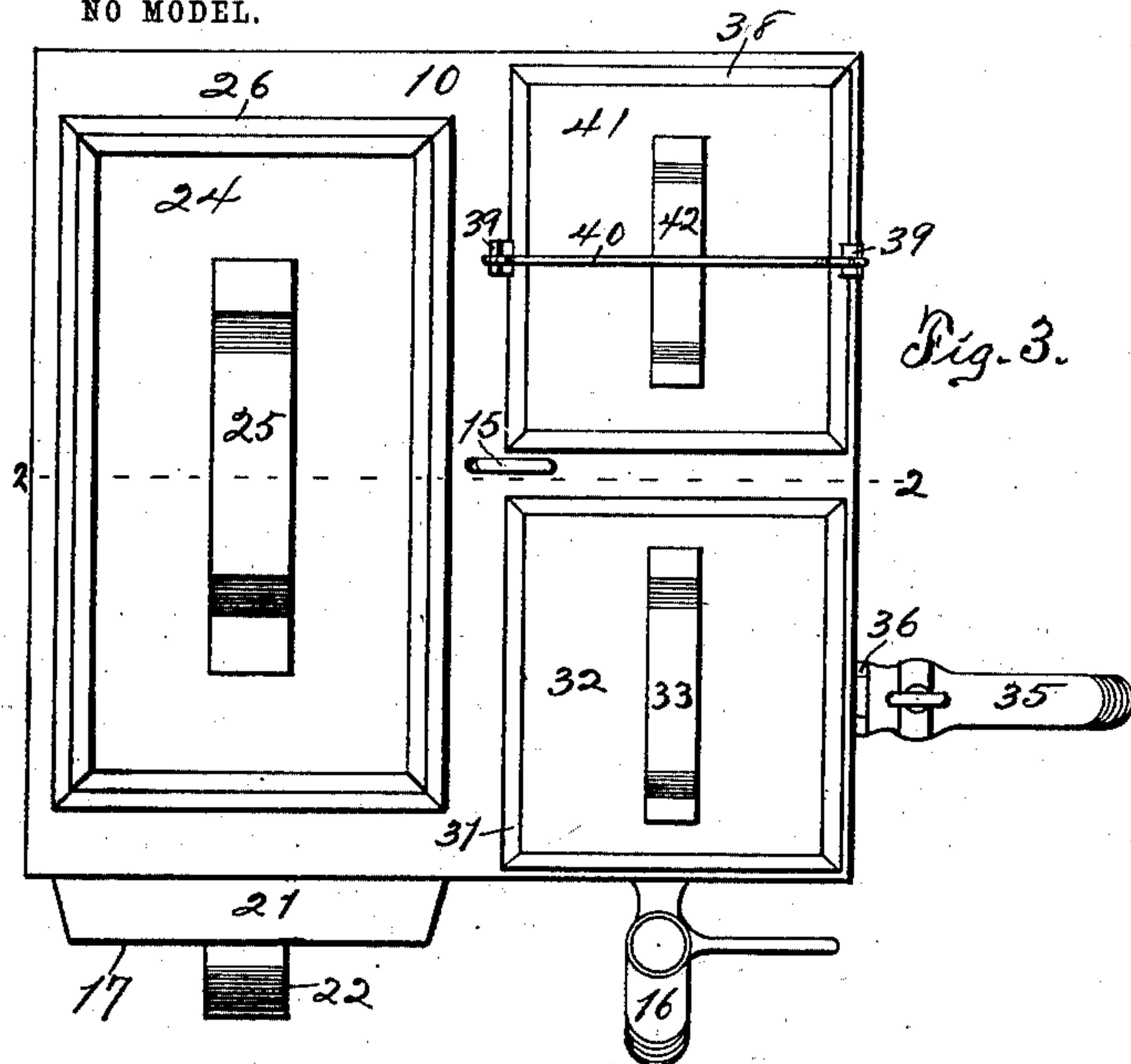


Fig. 3.

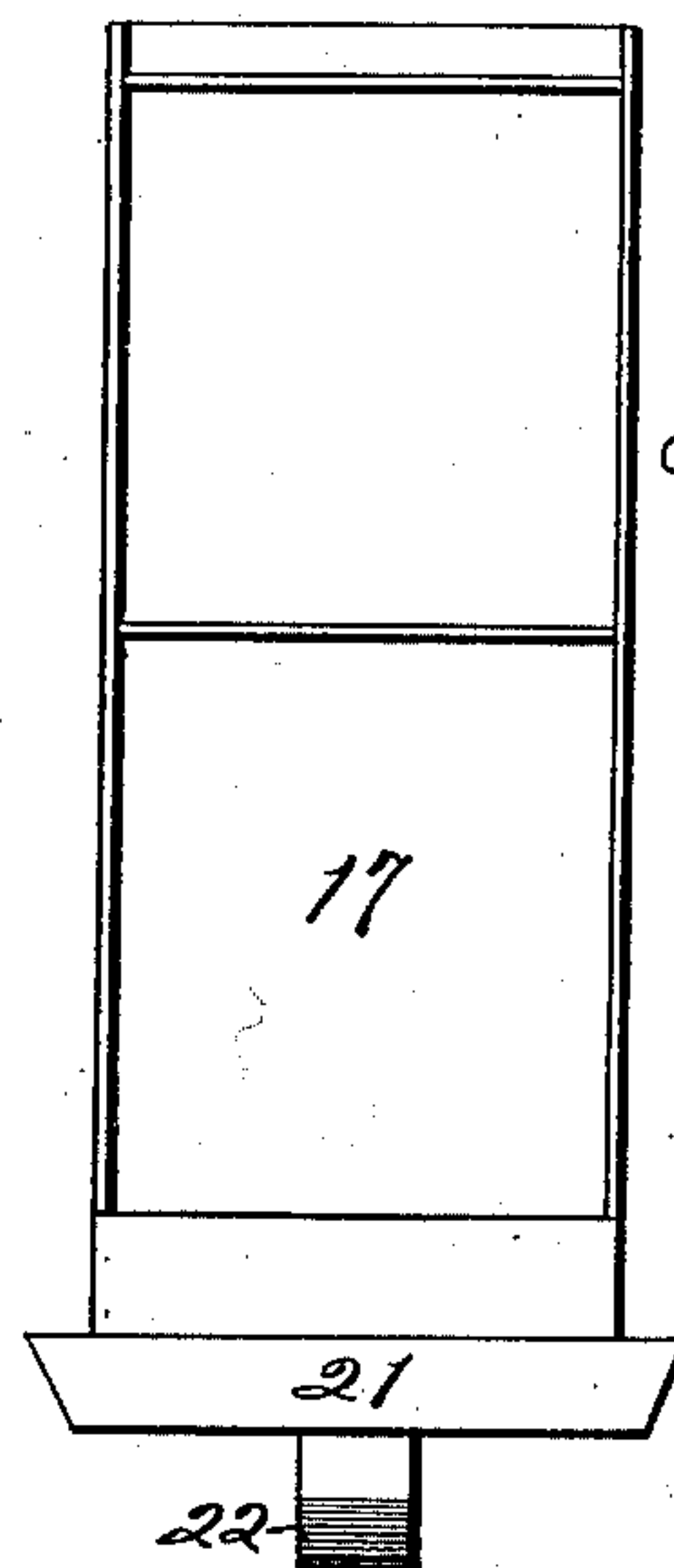


Fig. 5.

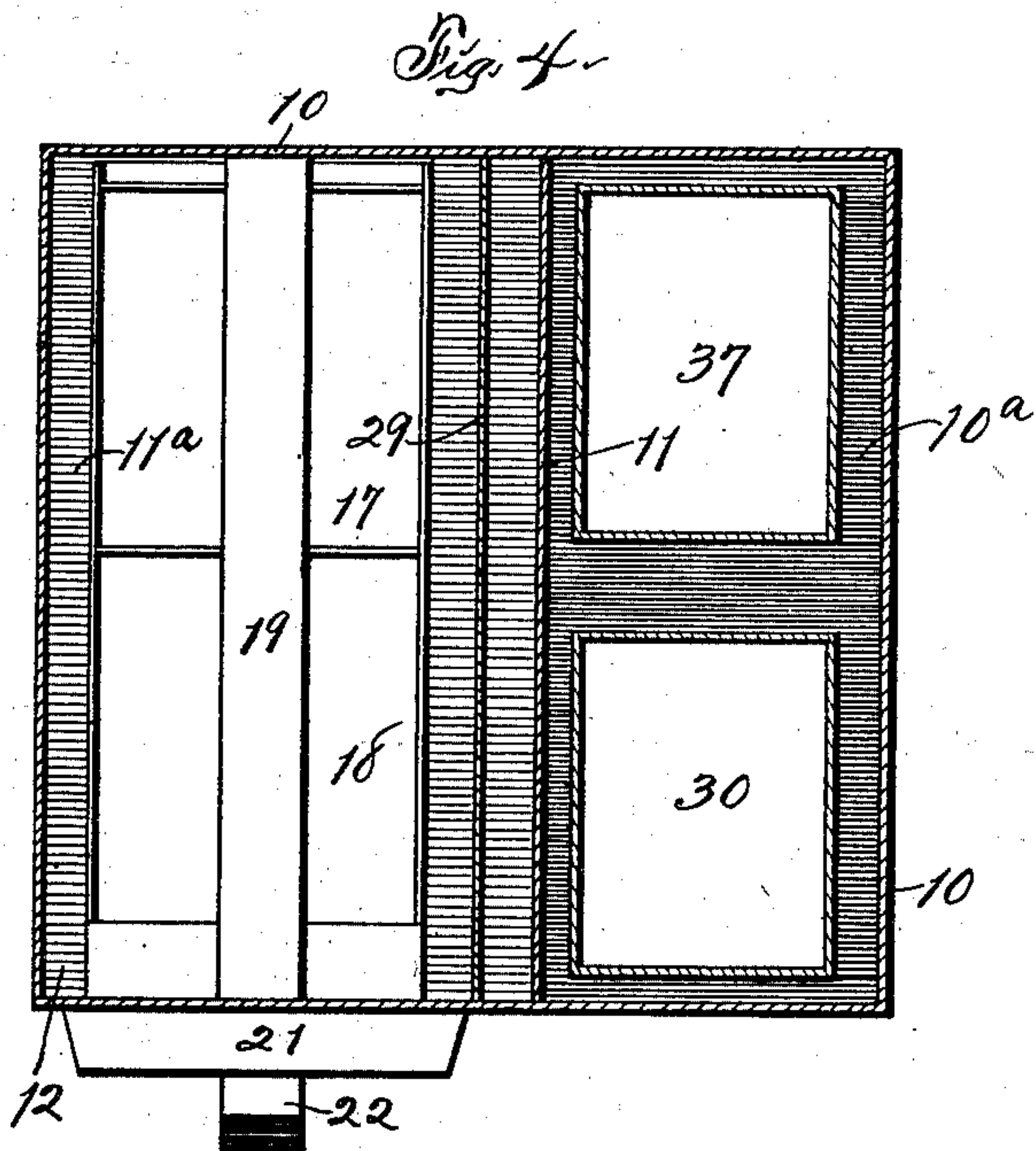


Fig. 4.

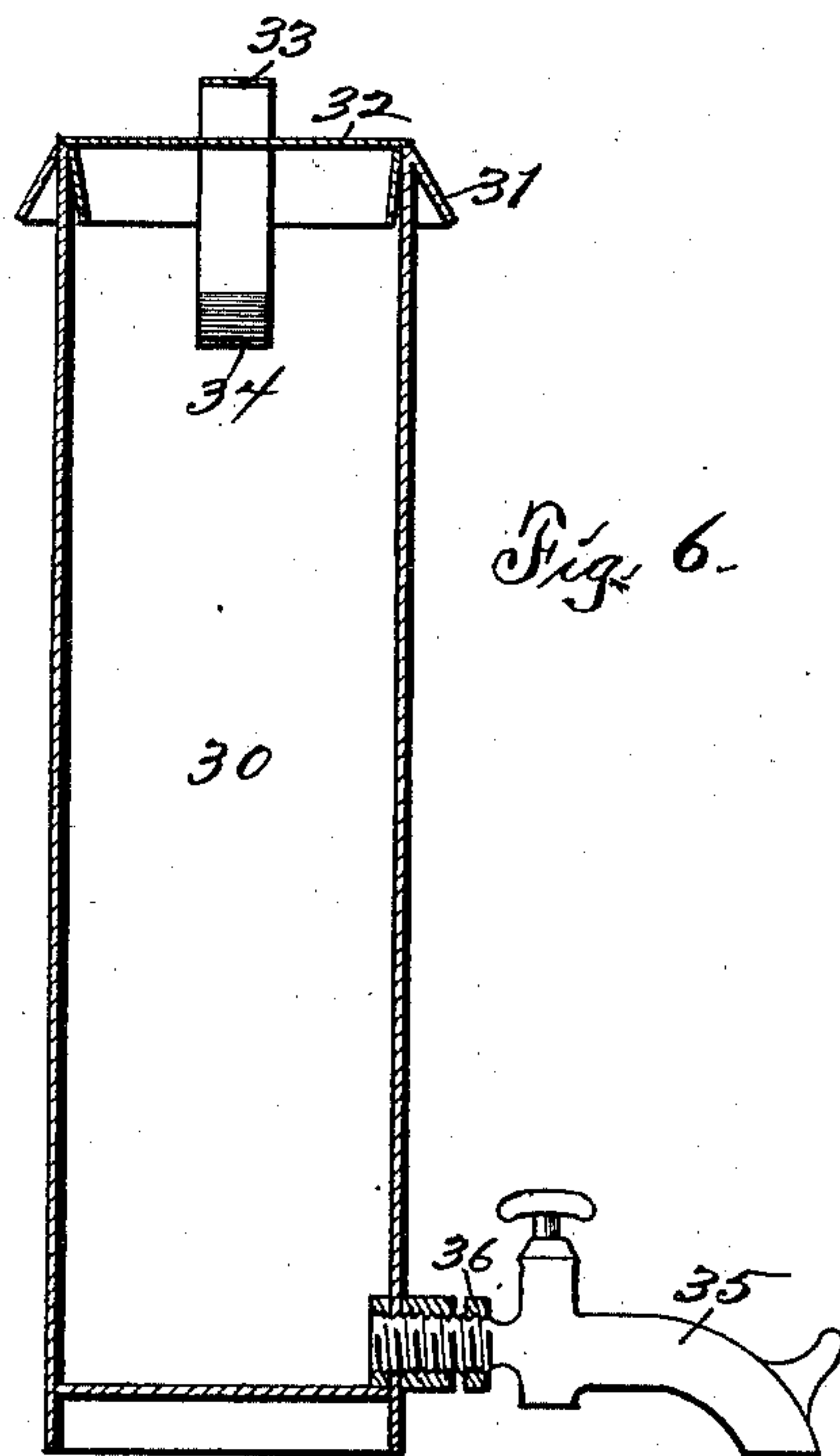


Fig. 6.

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WILLIAM ASHERT, OF DES MOINES, IOWA.

DOMESTIC STEAMER.

SPECIFICATION forming part of Letters Patent No. 748,037, dated December 29, 1903.

Application filed November 24, 1902, Serial No. 132,581. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM ASHERT, a citizen of the United States of America, and a resident of Des Moines, Polk county, Iowa, have
 5 invented a new and useful Domestic Steamer, of which the following is a specification.

The object of this invention is to provide improved means for steaming, boiling, or otherwise cooking a variety of vegetables or
 10 meats, or both, within the same casing at the same time.

My invention consists in the construction, arrangement, and combination of elements hereinafter set forth, pointed out in my claims,
 15 and illustrated by the accompanying drawings, in which—

Figure 1 is a front elevation of the complete device. Fig. 2 is a vertical section of the device on the indicated line 2 2 of Fig. 3.
 20 Fig. 3 is a plan of the complete device. Fig. 4 is a horizontal section of the device on the indicated line 4 4 of Fig. 1, the faucets being removed. Fig. 5 is a plan of one of the removable and replaceable cooking-receptacles formed as a drawer. Fig. 6 is a vertical
 25 section of one of the cooking utensils formed as a coffee-boiler, the faucet being shown thereon.

In the construction of the device as shown
 30 the numeral 10 designates a casing, preferably rectangular in cross-section and in vertical section and imperforate except in the openings hereinafter mentioned. A partition 11 is mounted in and transversely of the
 35 casing 10 and extends from the front wall to the rear wall of said casing and from a point near the top of the casing to a point near the bottom thereof. A false bottom or horizontal partition 12 is mounted in and trans-
 40 versely of the casing and connects the lower end of the partition 11 to the left wall of said casing. The horizontal partition 12 is mounted parallel with and spaced apart from the bottom of the casing, and it, as well as the
 45 partition 11, are sealed to the walls of the casing and are imperforate. A damper 13 is mounted in and transversely of the upper portion of the casing and is arranged to slide vertically between the upper end portion of
 50 the partition 11 and cleats 14, one only of which is shown, fixed to the front and rear walls of the casing. It is the function of the

damper 13 to close the space between the upper end of the partition 11 and the top of the casing 10, and a stem 15 is formed on the
 55 damper and rises through the top of the casing and is arranged for manual engagement to move the damper upward and downward, as required, to close and open said space. An opening is formed in the lower right cor-
 60 ner of the front wall of the casing, and a faucet 16 or drainage-cock is mounted therein. Apertures are formed in the front wall of the casing at the left of the center thereof, one above the other, and receptacles 17 18 are
 65 mounted therein by longitudinal movement horizontally and extend within the casing. The receptacles 17 18 rest and travel on supporting-bars 19 20, connected to the front and rear walls of the casing, and the outer ends
 70 of said receptacles are formed with oblique flanges 21, overlapping and embracing beads or flanges formed on and protruding from the front wall of the casing, and handles 22 are mounted on the front ends of the receptacles
 75 and project outwardly therefrom. An aperture is formed in the top plate of the casing 10 and surrounded by a bead or rib 23, and a cap 24, provided with a handle 25 on its upper face, is mounted in said aperture and formed with
 80 an oblique flange 26 on its margin overlapping and embracing said bead or rib. The cap-plate 24 is mounted directly above the receptacle 17. Lugs 27, one only of which is shown, are mounted on the rear and front walls of
 85 the casing immediately above the upper edge of the receptacle 17, and one or another of the supporting-bars 19 20 may be removed from the lugs 28, on which they are mounted, and remounted on the lugs 27. When one or the
 90 other of the supporting-bars 19 20 is mounted on the lugs 27, the receptacles 17 18 may be removed and the apertures therein filled by closing-plates similar to the plate 24, and then a portion of meat, such as a ham or
 95 shoulder of pork, may be suspended on the cross-bar and depend within the left chamber of the casing. A partition 29 is mounted transversely of the casing and connected to the front and back walls and the top plate
 100 thereof and extends from the top plate downward nearly to the horizontal partition 12. An aperture is formed in the top plate of the casing at the right of the front portion of the

closing-plate 24, and a coffee-boiler 30 is mounted therethrough and depends within the casing. The coffee-boiler 30 is formed with an oblique flange 31 on its upper end, 5 arranged to engage and embrace a rib or web formed on the top plate of the casing. The coffee-boiler 30 also is provided with a lid or cover 32, having a handle 33 and a hook 34 depending from its central portion beneath 10 the handle, the hook 34 being provided to support a bag or coffee-egg within the boiler. A faucet 35 is mounted removably and replaceably in the lower portion of the coffee-boiler 30 and extends through the right side 15 wall of the casing 10 and is provided with a clamping-nut 36 to engage the casing-wall and form a water-tight joint therewith. It is the function of the faucet 35 to remove the fluid contents of the coffee-boiler 30.

20 An aperture is formed in the top plate of the casing 10 at the rear of the coffee-boiler, and a can-receptacle 37 is mounted therein removably and replaceably. The receptacle 37 is provided with an oblique flange 38 on 25 its upper end, arranged to surround, engage, and embrace a bead or rib on the top plate of the casing. Ears 39 are formed on the oblique flange 38, and a bail 40 is connected with said ears and closes the top of the receptacle. A cover-plate 41 is provided in the 30 receptacle 37, and a handle 42 is mounted on said cover-plate within the bail 40. It is the function of the oblique flanges on the receptacles and cap-plates in contact with 35 ribs, beads, or webs engaged thereby to form steam-tight joints or closures and prevent the leaking from the casing to the exterior during the process of cooking. The receptacle 37 may be employed in the cooking of any 40 desired food, such as onions or cereals, which may better be prepared in a vessel having material depth in respect of its transverse dimensions.

The right portion or chamber 10^a of the casing is filled with water to the indicated level, 45 and the casing is mounted over a stove, burner, or other heating medium and retained in such position until the water in the chamber boils. The application of heat from 50 the boiling water in the chamber 10^a will effect the desired temperature in the receptacles 30 and 37, and the discharge of steam over the top of the partition 11 and under the lower margin of the partition 29 of the 55 chamber 11^a of the casing by opening the damper 13 will effect the desired temperature in and around the receptacles 17 and 18.

Various forms of receptacles may be pro-

vided, and the location thereof in the casing may be altered or varied to suit the convenience and desires of the operator, and I do not limit myself to the specific arrangement shown and described.

I claim as my invention—

1. A domestic steamer, comprising a casing, a water-chamber in said casing, a steam-chamber in said casing and communicating with the water-chamber, a depending partition in the steam-chamber whereby the steam is required to enter the steam-chamber below 65 a certain level, and receptacles removably and replaceably mounted in said chamber. 70

2. A domestic steamer, comprising a casing, a water-chamber in said casing, a steam-chamber in said casing and communicating 75 with the water-chamber, a damper controlling the port of communication between said chambers, receptacles removably and replaceably mounted in said water-chamber and steam-chamber, and cap-plates interchangeable 80 with said receptacles to close the ports of entrance thereof to the casing.

3. A domestic steamer, comprising a casing, a water-chamber in said casing, food-receptacles removably and replaceably mounted 85 in said water-chamber, a steam-chamber in said casing and communicating with the water-chamber, food-receptacles removably and replaceably mounted in said steam-chamber, a depending partition in the steam-chamber 90 whereby the steam is required to enter thereto below a certain level, and a damper controlling the port of communication between the water-chamber and steam-chamber.

4. A domestic steamer, comprising a casing, a horizontal partition adjacent to the bottom of said casing and extending partly across 95 the same, a vertical partition sealed to the inner margin of the horizontal partition and extending to the top of the casing, thereby subdividing the casing into a water-chamber 100 and steam-chamber, the water-chamber extending beneath said steam-chamber, a port of communication in and near the top of the vertical partition, a damper controlling said 105 port, a depending partition in the steam-chamber whereby the steam is required to enter thereto below a certain level, and food-receptacles removably and replaceably mounted 110 in the water-chamber and steam-chamber. 115

Signed by me at Des Moines, Iowa, this 20th day of September, 1902.

WILLIAM ASHERT.

Witnesses:

W. ELLIS,

S. C. SWEET.