

No. 755,392.

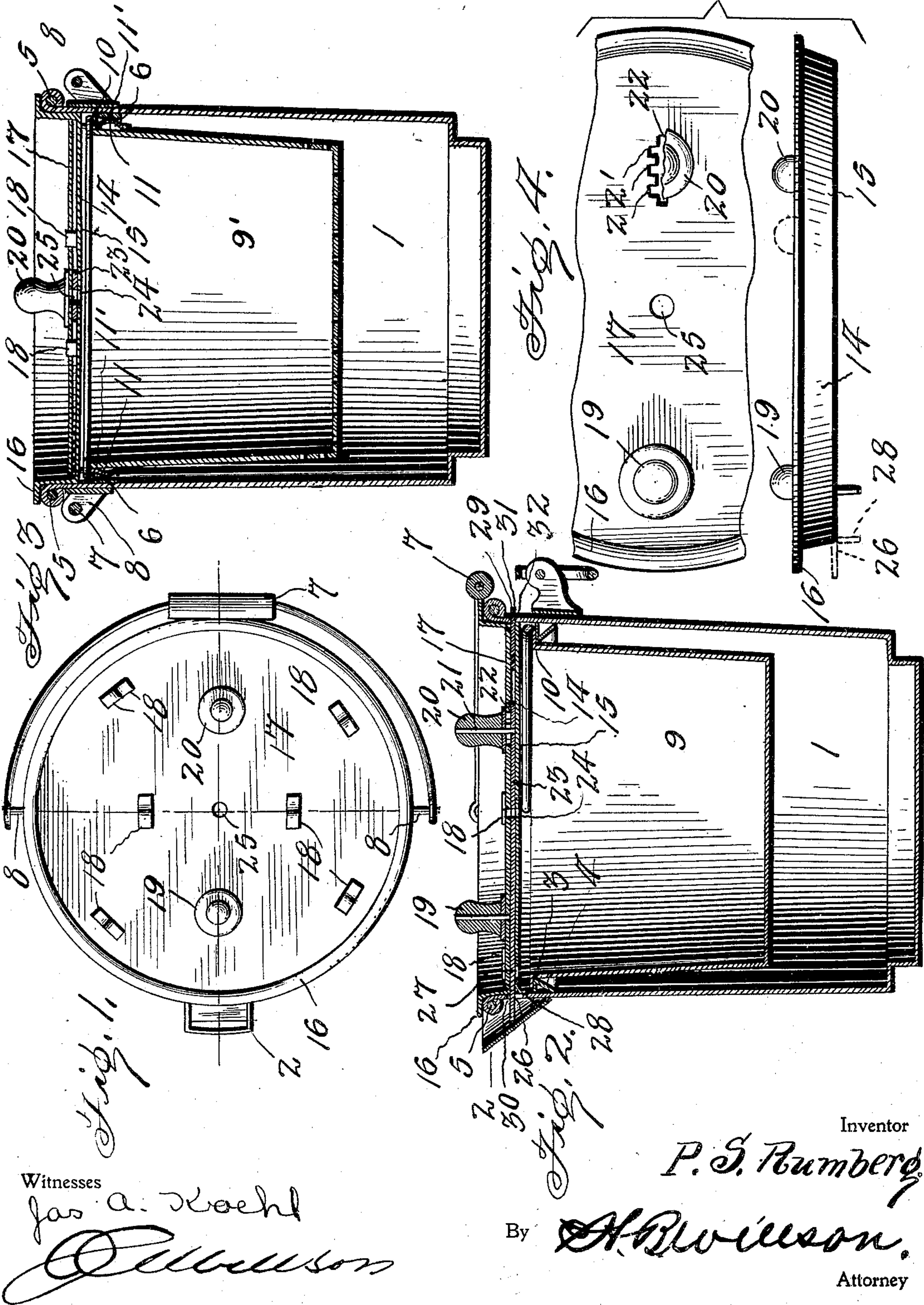
PATENTED MAR. 22, 1904.

P. S. RUMBERG.
STEAM COOKER.

APPLICATION FILED SEPT. 14, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



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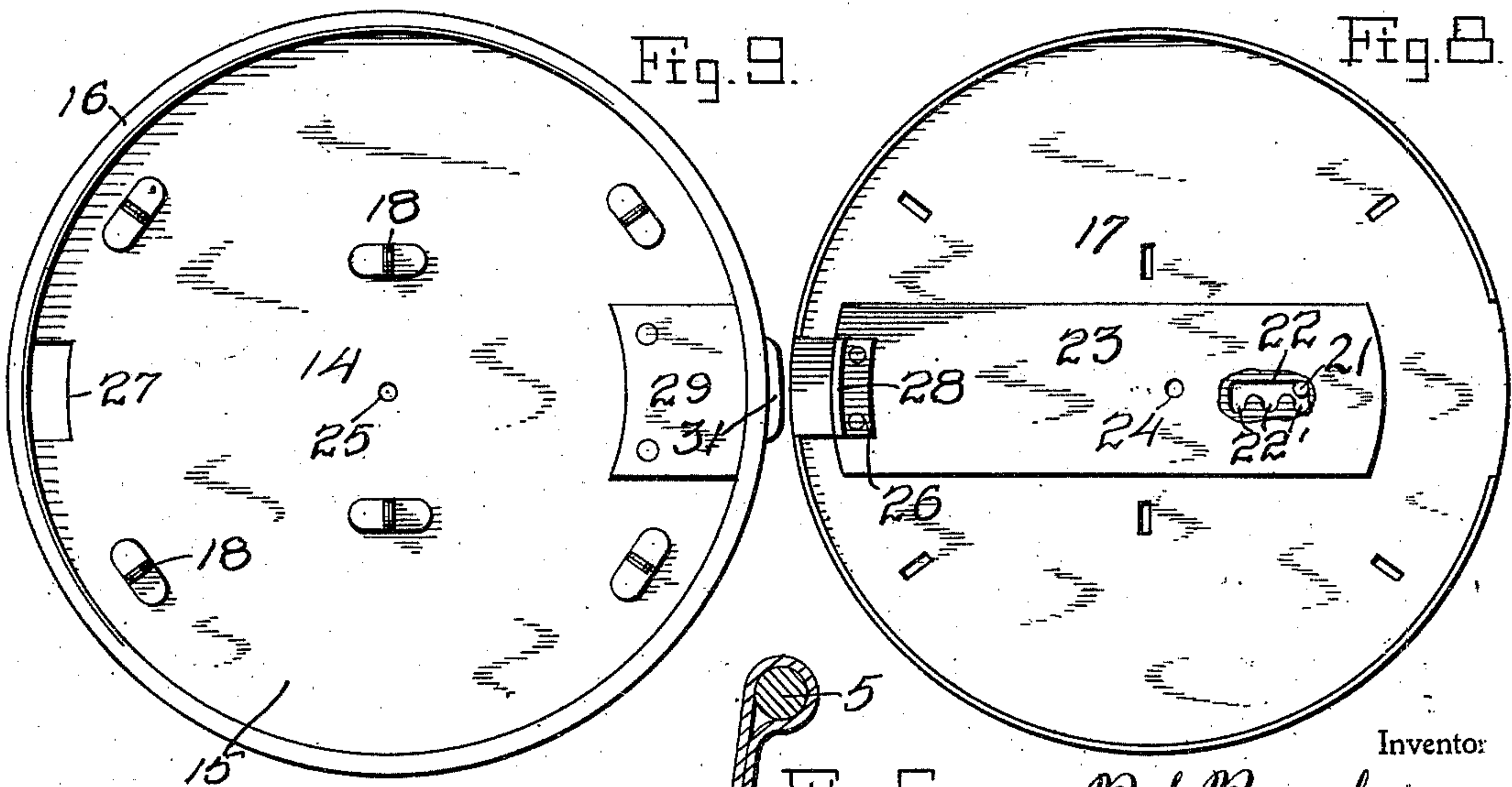
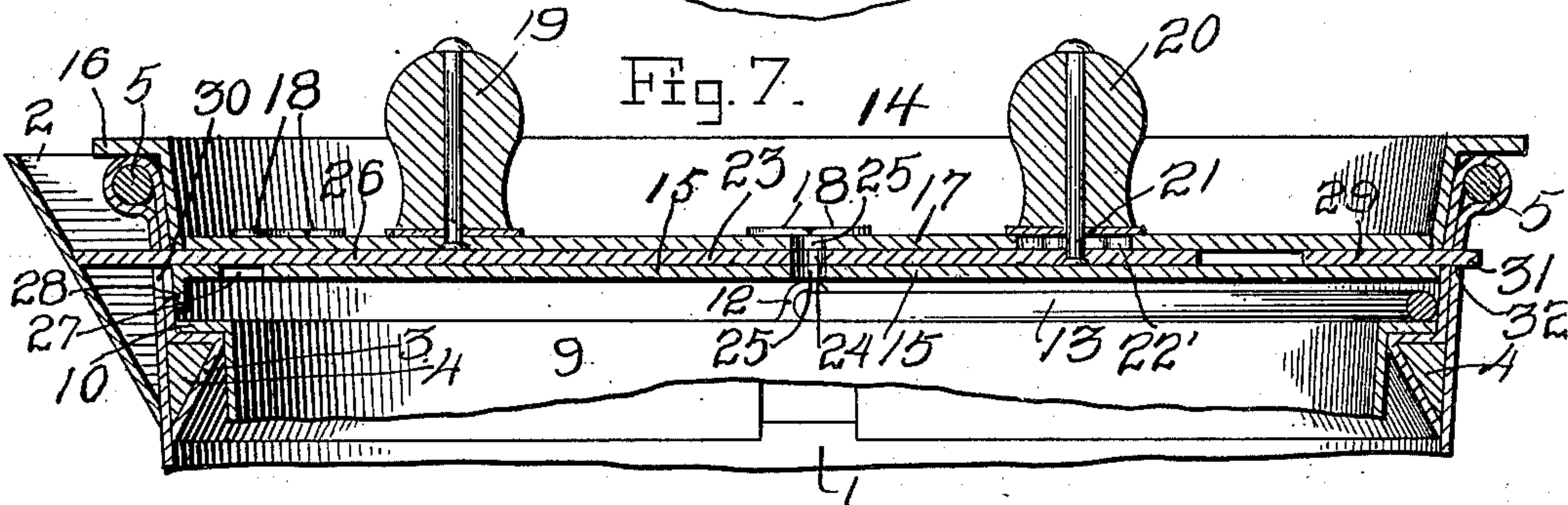
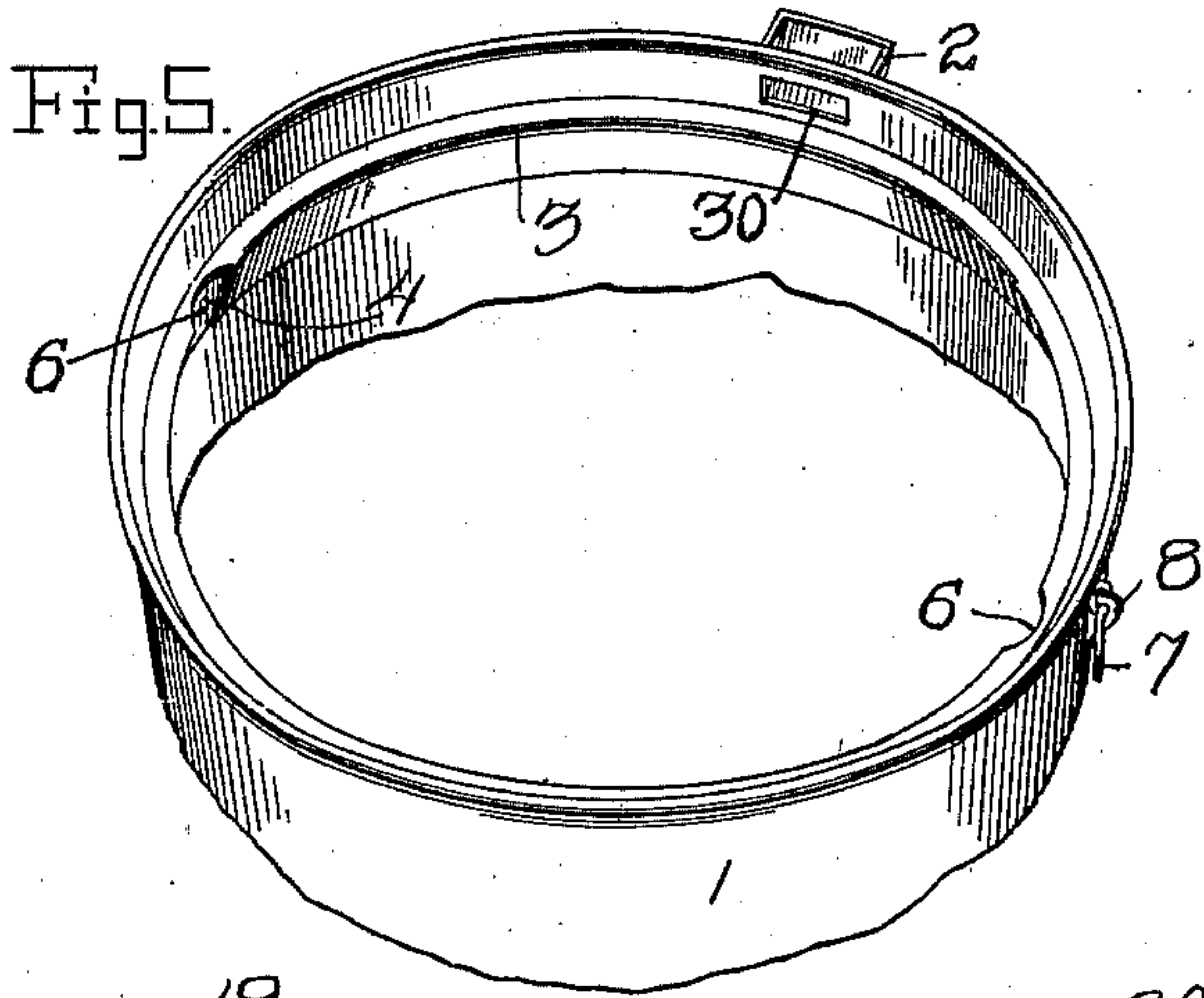
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2 SHEETS—SHEET 2.



Witnesses

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Fig. 6.

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UNITED STATES PATENT OFFICE.

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STEAM-COOKER.

SPECIFICATION forming part of Letters Patent No. 755,392, dated March 22, 1904.

Application filed September 14, 1903. Serial No. 173,150. (No model.)

To all whom it may concern:

Be it known that I, PETER S. RUMBERG, a citizen of the United States, residing at Norway, in the county of Dickinson and State of Michigan, have invented certain new and useful Improvements in Steam-Cookers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
 10 pertains to make and use the same.

This invention relates to steam-cookers; and its object is to provide a simple and effective device of this character in which improved means are employed for securing the cover of
 15 the cooker in position upon the latter and controlling the discharge of the steam.

In the accompanying drawings, Figure 1 is a top plan view of a steam-cooker embodying my invention. Fig. 2 is a central vertical section of the same. Fig. 3 is a similar section taken at right angles to Fig. 2. Fig. 4 is a detail view of the cover, illustrating the action of the valve and locking-slide. Fig. 5 is a perspective view of the outer vessel. Fig. 6 is
 20 an enlarged detail section through the rim thereof. Fig. 7 is a section similar to Fig. 2, showing the upper portion of the outer and inner vessel and cover on a greatly-enlarged scale; and Figs. 8 and 9 are bottom and top plan views, respectively, of the top and bottom parts of the cover.

Referring now more particularly to the drawings, the numeral 1 represents the outer containing vessel of the cooker, which com-
 35 prises the boiler proper and is adapted to be supported in any preferred manner upon a stove or burner. This vessel is provided at one side with a filling-lip 2 for replenishing it with water. On the interior of the vessel, adjacent to its rim, a supporting-shoulder 3 is formed by an inserted annular ledge or rib 4. The upper edge of the metal of which the ves-
 40 sel 1 is formed is bent over a stiffening-wire 5 to form the usual rim-bead, and is thence bent downward over the upper surface of the rib 4 and over the inner surface thereof and secured to the inner wall of the vessel below said lining. By this construction an interior shoulder of great strength is formed, and in

order to provide for the firm retention of the
 cooking vessel therein the inner face of the rib is inclined so that the inner upper edge of the shoulder formed thereby will constitute an overhanging stop. At diametrically opposite
 55 sides the rib and covering portion of the material of the vessel are cut away to form recesses 6, for a purpose presently described. The vessel 1 is provided with the usual bail-handle 7, pivoted to the ears 8.

An imperforate inner cooking vessel 9, as
 60 shown in Fig. 2, or a perforate cooking vessel 9', as shown in Fig. 3, may be suspended within the vessel 1 for the purpose of containing the articles of food to be cooked, and each of these vessels is provided with a flange
 65 or rim 10 to rest upon the said shoulder 3, and thus support the said vessel therein. To opposite sides of each vessel 9 and 9' is secured one end of a strip 11, which projects upward to the flange 10 and terminates in an
 70 eye 12, the eyes of the two strips serving as attaching means for the ends of a bail-handle 13, by which the vessel 9 or 9' may be conveniently applied and removed. Intermediate of its length each strip 11 is bent out-
 75 wardly or offset to form a semiresilient shoulder 11', which shoulder is adapted to pass downward through the recesses 6 in the vessel 1 and then by turning the vessel 9 or 9' to be moved out of coincidence with said recesses
 80 and engage the beveled or inclined wall of said shoulder 3 to hold the vessel 9 or 9' against withdrawal.

The vessel 1, as well as the vessel 9 or 9', inserted therein, may be closed by a cover 14,
 85 which comprises in its construction a pan-shaped base 15, having an offstanding flange or rim 16 to rest upon the rim edge of the vessel 1. The said pan-shaped base 15 is closed by a top plate 17, which may be secured in
 90 any preferred manner to said base, but in the present instance is shown as attached thereto by tongues 18, projecting upward from the base through slits in the plate and bent over to confine the latter. The cover is provided
 95 with handles 19 and 20, one of which, the handle 19, is fixedly secured to the top plate 17, while the handle 20 has a stem or shank 21, which

is fitted to slide in a longitudinal slot 22, formed in said top plate 17. The cover is provided with means for fastening it in position and also controlling the vent of steam from the cooker to the atmosphere. This means may take any desired form, but in the present instance comprises a plate 23, disposed between the bottom of the base 15 and top plate 17 and having formed therein an opening 24, adapted to be brought into coincidence with openings 25 in the base 15 and cover 17, such openings when brought into coincidence allowing the steam from the interior of the cooker to pass out. The plate 23 carries at its outer end a latch 26, which works in an opening 27 in the base 15 and is provided with a stop-flange 28 to limit its outward movement, the inward movement of the plate being limited by a stop-plate 29, secured to the base 15. The latch 26 is adapted to engage with a slot 30 in one side of the vessel 1, and coacting therewith to hold the cover in position is a locking projection 31, formed upon the plate 29, which projection 31 is adapted to engage a similar slot 32 at the diametrically opposite side of the vessel 1.

The plate 23 is adjusted by means of the handle 20, whose shank 21 is secured thereto and operates in the slot 22. In order to secure a varied adjustment and locking of the plates, I provide the said slot 22 with a plurality of offsets 22', three of such offsets being employed in the present instance. When the combined locking and vent plate is retracted, the shank of the handle 20 rests in the innermost offset 22' and locks the plate against outward movement. When the plate is partially projected, the shank of the handle 20 may be engaged with the intermediate slots and the latch will be partially projected and the openings 24 and 25 brought into partial coincidence to allow a slow escape of the steam to the atmosphere, and when the plate is projected to the limit of its outward movement the latch will not only be projected, but by moving the shank of the handle 20 into the outer offset the openings 24 and 25 will be brought fully into register for the escape of steam and the plate will be locked against retraction. It will thus be seen that the combined vent and latch plate may be adjusted to several different positions to lock and unlock the cover and to control the outlet of steam and that such adjustments are effected by the

simple manipulation of an actuating element 20, which also forms a handle for the cover.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A cooking vessel provided with a cover having a latch, and a vent-opening, a sliding and laterally-movable valve-plate governing said opening and connected to the latch, and means for adjusting the plate in one direction to project or retract the latch and at an angle to such direction to lock the plate in one or the other of its adjusted positions.

2. A cooking vessel provided with a cover having a slot therein provided with offsets, and having also a vent-opening, a valve-plate having a vent-opening adapted to be brought into coincidence with said vent-opening in the cover, a latch carried by said valve-plate and actuated thereby, and an operating-handle working in said slot and connected with the plate and adapted, when adjusted longitudinally in the slot, to project or retract the latch, and when adjusted into one of said offsets to lock the parts against movement, the adjustment of said plate also controlling the escape of steam through the vent-opening, substantially as described.

3. A cooking vessel provided with a cover having top and bottom plates, a latch-opening and a vent-aperture, a latch adjustable in said latch-opening, a valve arranged between said plates and connected to the latch and adjustable to operate the latch and open or close said vent-aperture, and means for locking said valve in adjusted position, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

PETER S. RUMBERG.

Witnesses:

I. A. LINDHOLM,
PETER NORDSTROM.