

No. 750,596.

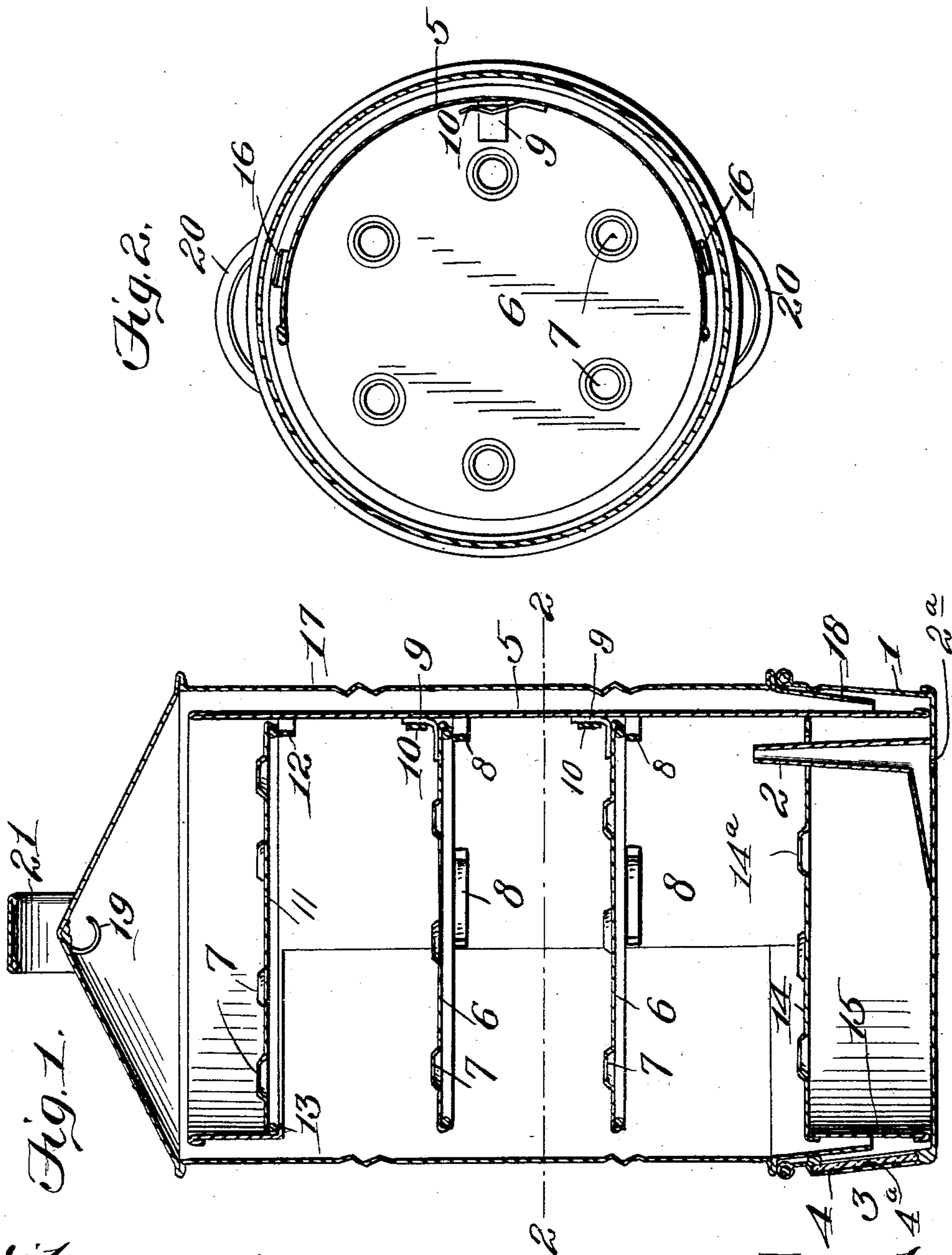
PATENTED JAN. 26, 1904.

C. CANNOM.
STEAM COOKER.

APPLICATION FILED FEB. 18, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses:
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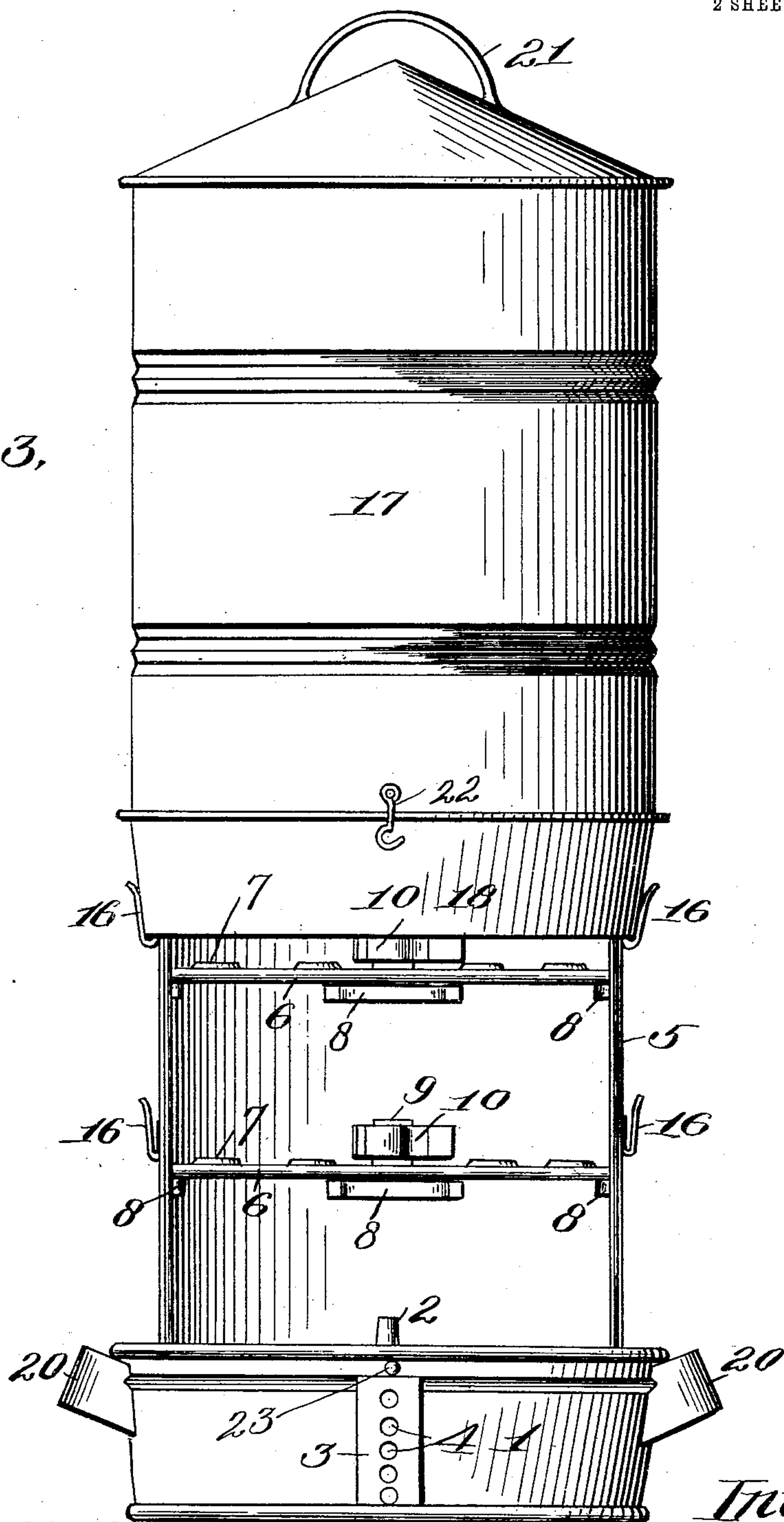
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2 SHEETS—SHEET 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

CHARLES CANNOM, OF LONDON, CANADA.

STEAM-COOKER.

SPECIFICATION forming part of Letters Patent No. 750,596, dated January 26, 1904.

Application filed February 18, 1903. Serial No. 143,947. (No model.)

To all whom it may concern:

Be it known that I, CHARLES CANNOM, a citizen of the Dominion of Canada, residing at London, Ontario, Canada, have invented new and useful Improvements in Steam-Cookers, of which the following is a specification.

This invention relates to steam-cookers.

The object of the invention is in a ready, simple, thoroughly feasible, and practical manner to increase the efficiency of the cooker.

With the above and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a steam-cooker, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which like numerals of reference indicate corresponding parts, there is illustrated one form of embodiment of the invention capable of carrying the same into practical operation, it being understood that the elements therein exhibited may be varied or changed as to shape, proportion, and exact manner of assemblage without departing from the spirit thereof.

In the drawings, Figure 1 is a view in vertical section through the completed device. Fig. 2 is a horizontal sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a view in elevation of the completed device, showing the jacket raised to expose the cooking-compartments.

The cooker of this invention embodies in its construction a steam-generator, a shell having utensil-supports detachably connected therewith, and a jacket inclosing the shell and constructed in such manner as positively to prevent the escape of steam, and thus loss of heat.

The steam-generator 1 is a pan-like structure provided near its inner periphery with a tapered nozzle 2, constituting a steam-vent, the lower end of the vent opening out through the bottom at 2^a, as shown in Fig. 1. At the front of the generator is arranged a sight-gage 3, which consists of a strip of metal soldered or otherwise hermetically secured in position and provided with a plurality of openings 4, back of which is arranged a sheet of

glass 4^a, and back of the glass the steam-generator is cut away, so that by looking through the orifices and through the glass the height of water in the steam-generator may be positively determined without the necessity of removing the jacket and the shell. The employment of this sight-gage is of advantage, inasmuch as it dispenses with the ordinary steam-whistle employed for notifying the attendant that the water in the receptacle is low, a whistle being objectionable and not being positive always in giving notification that the water is nearly or entirely evaporated.

The shell 5 is cut away at its front portion somewhat less than half of its circumference in order that the utensil-supports 6 may be impinged throughout a greater portion of their circumference by the walls of the shell. The utensil-supports are usually constructed of metal and are provided with any desired number of orificed teats 7 to permit circulation of steam and are supported rigidly within the shell by rests 8, suitable locking means being provided to prevent accidental displacement of the supports in handling the cooker. This locking means comprises a hook-shaped projection 9, secured to the rear portion of each of the supports except the upper and lower ones, the hook portions of the said projections being designed to interlock with spring-tongues 10, secured to the inner side of the shell. In disposing the supports within the shell they are placed evenly upon the rests and then given a turn, which will throw the hooks of the projection behind the spring-tongues, and thus effect the locking referred to.

The upper utensil-support 11 is supported by a projection 12, disposed near the upper end of the shell and upon an internal flange 13, formed by a beading in the upper wall of the front opening of the shell. While this manner of supporting the upper utensil-support is thoroughly efficient in use and is adopted for the purpose of convenience, it is to be understood that the invention is not to be limited to this arrangement, as other means may be employed for the same purpose.

The lower portion of the shell 5 and the lower utensil-support 14 form, with the bottom of the steam-generator 1, a steam-chamber,

the support 14 being provided with orificed teats 14^a to permit steam to escape upward into the other compartments and also with an orifice to receive the steam-vent 2. The shell is provided on its outer side with a plurality of hooks 16, constituting rests for the jacket 17 when an inspection is being made of one or more of the compartments of the cooker. By the provision of these hooks the entire removal of the jacket, and thus the escape of steam with attendant delay in cooking operations, will be obviated. The jacket 17 has its lower portion tapered at 18, thus to fit snugly the outwardly-flared inner walls of the steam-generator to present a practically steam-tight joint between these parts.

To adapt the device for cooking a fowl too large to be accommodated by a utensil resting upon one of the supports, a hook 19 is provided at the apex or center of its top, from which the fowl may be suspended.

To increase the cubical contents of the jacket, the top of the same is cone-shaped, as shown.

The outer side of the steam-generator is provided with handles 20, by which to lift the device, and, if preferred, a handle 21 may be provided at the apex of the jacket. To prevent accidental disconnection between the steam-generator and the jacket in lifting the structure, hooks 22 may be employed, (one only being shown,) which by interlocking with projections 23 on the steam-generator will operate positively to lock the parts together.

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

1. A steam-cooker comprising a steam-generating pan, a removable jacket forming a continuation of the pan and completing the cooking-chamber, a removable shell situated within the jacket and resting upon the bottom of the pan, and a utensil-support carried by the shell and forming, in conjunction with the

bottom of the steam-generator and the lower portion of the shell, a steam-chamber.

2. A steam-cooker comprising a steam-generating pan, a removable jacket forming a continuation of the pan and completing the cooking-chamber, a removable shell situated within the jacket and resting upon the bottom of the pan, a utensil-support carried by the shell and forming, in conjunction with the bottom of the generator and the lower portion of the shell, a steam-chamber, the shell being cut away between its ends on one side and provided with utensil-supports.

3. A steam-cooker comprising a steam-generating pan, a removable jacket forming a continuation of the pan and completing the cooking-chamber, a removable shell situated within the jacket and resting upon the bottom of the pan, a utensil-support carried by the shell and forming, in conjunction with the bottom of the steam-generator and the lower portion of the shell, a steam-chamber, said support being provided with orificed teats and with an opening, and a steam-vent pipe projecting upward through said support.

4. A steam-cooker comprising a steam-generating pan, a removable jacket forming a continuation of the pan and completing the cooking-chamber, a removable shell situated within the jacket and resting upon the bottom of the pan, the shell being cut away between its ends on one side and provided with a plurality of rests, orificed utensil-supports adapted to engage the rests, the lower support forming, in conjunction with the bottom of the steam-generator and the lower portion of the shell, a steam-chamber.

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

CHARLES CANNOM.

Witnesses:

JAS. B. MCKILLOP,
LILIAN M. EMERY.