

A. T. HALLOCK.
FIRELESS COOKER.
APPLICATION FILED MAR. 6, 1909.

966,014.

Patented Aug. 2, 1910.

2 SHEETS—SHEET 1.

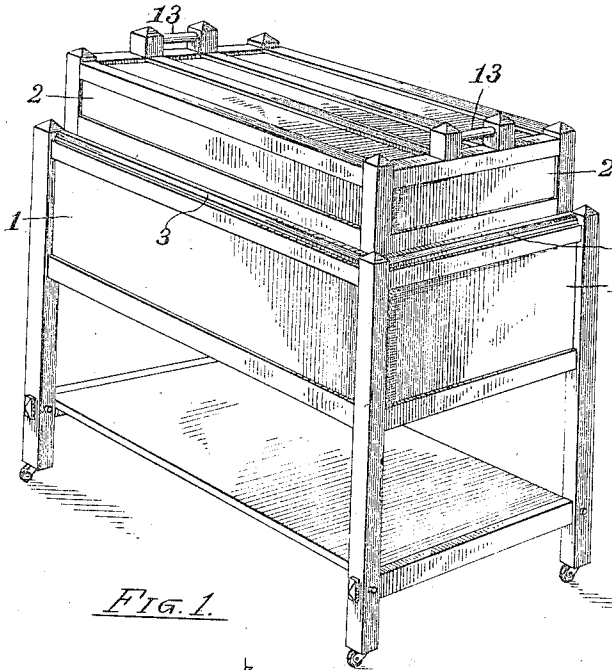


FIG. 1.

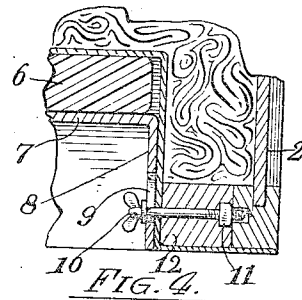


FIG. 4.

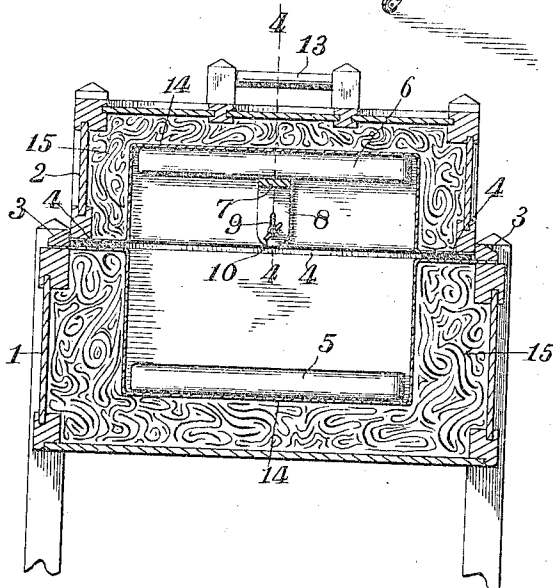


FIG. 2.

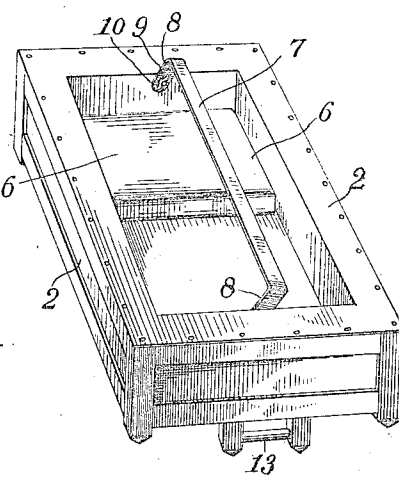


FIG. 3.

Witnesses
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2 SHEETS—SHEET 2.

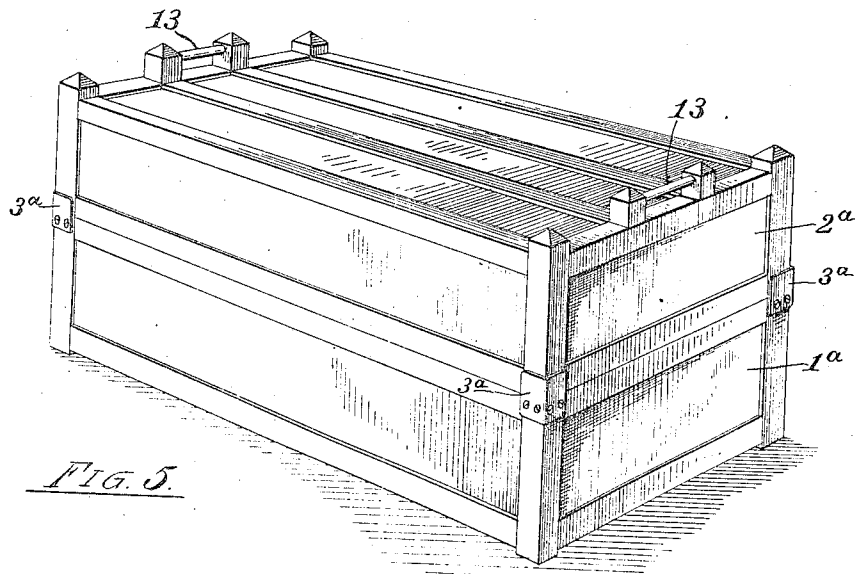


FIG. 5.

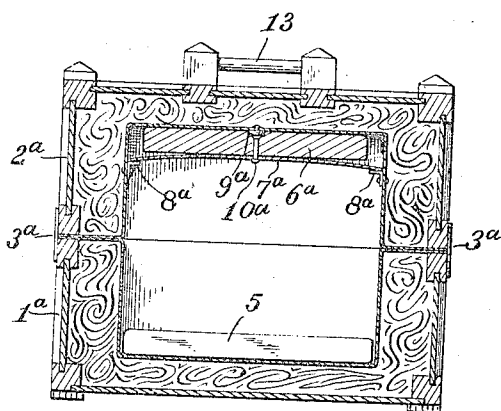


FIG. 6.

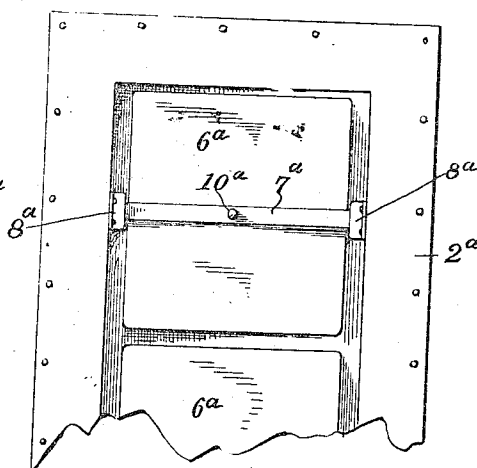


FIG. 7.

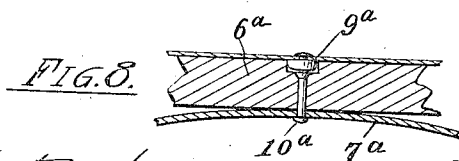


FIG. 8.

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UNITED STATES PATENT OFFICE.

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FIRELESS COOKER.

966,014.

Specification of Letters Patent.

Patented Aug. 2, 1910.

Application filed March 6, 1909. Serial No. 481,534.

To all whom it may concern:

Be it known that I, ARTHUR T. HALLOCK, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Fireless Cookers; and I do hereby 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 appertains to make and use the same.

My invention relates to improvements in fireless cookers and its object is to provide a device that may be used either for cooking at a temperature less than that required for baking, or may be used at a higher temperature for baking purposes, as occasion requires; and to provide the same with various new and useful features hereinafter more fully described and particularly pointed out in the claims.

The device consists essentially of a case divided horizontally near the middle and provided with means for securing a heater in the upper part of the case, said upper part also being detached from the lower part and removable at pleasure, and in various novel features of combination and arrangement, as will more fully appear by reference to the accompanying drawings, in which:

Figure 1. is a perspective of a device embodying my invention; Fig. 2. is a transverse vertical section of the same; Fig. 3. a perspective of the detachable upper part of the same; Fig. 4. an enlarged detail in vertical section on the line 4-4 of Fig. 2; Fig. 5. a perspective of a modification of my device; Fig. 6. a transverse vertical section of the same; Fig. 7. a detail in inverted plan view of the upper part of the device; and, Fig. 8. an enlarged detail in vertical section of the means for detachably securing the upper heater in place.

Like numbers refer to like parts in all of the figures.

1 represents the lower part of the case. 2 the upper part of the same. The chamber to receive the containing vessels and heaters is partially within the lower part, and partially within the upper part. These parts are detached and separable, the lower part being externally larger than the upper part, and provided with a flange or stop 3, whereby the upper part is held in place and prevented from lateral displacement, and a

packing 4 is placed between the respective parts, the weight of the upper part being sufficient to properly compress the packing and form a tight joint without other clamping means.

5 represents a heater, a slab or block of steatite or soap stone being shown, but it obviously may be any other kind of heater, if preferred, one or more of which may be used, and a similar heater 6 is also provided which is placed in the top of the upper part 2 and detachably held therein by means of a clamping bar 7 having its respective ends 8 bent at right angles and adjustably secured to the inner surface of the ends of the upper part 2 by means of thumb screws 10 engaging nuts 11 embedded in the wood work 12, and extending through slots 9 in the end portions 8 of the clamping bar whereby the bar can be adjusted as illustrated in Fig. 3 to release the heater 6.

13 are handles for manually removing and replacing the upper part 2.

14 is a metal lining to the chamber and spaced apart from the outer part of the case, and between the lining and case is a non-conducting material 15 to prevent the escape of heat.

It will be noted that the removable upper portion of this device contains a considerable portion of the receiving chamber, whereby when this upper part is removed, the containing vessels project above the lower portion a considerable distance, and are thus more readily removed and placed therein, also that the upper part is of such weight that it serves as a clamping means for the packing without other fastenings, and further that the upper part being detached and wholly disconnected can be readily opened from either side or altogether removed as occasion requires, which is sometimes a convenience in operating the device. It will also be noted that steam or vapors arising within the device will be held within the upper part, and not be as likely to escape through the packing as if the packing were located at the top, as is usual in such devices.

In the modified form shown in Figs. 5. to 8. inclusive, the lower part 1^a and upper part 2^a of the case are substantially the same size and are located relatively one above the other by corner plates 3^a overlapping the joint therebetween and secured to the part

- 1^a. The upper heater is also provided with a central recess to receive a projection 9^a fixed in the top of the case, whereby the heater is properly located and held in place.
- 5 This heater is shown supported on a bar 7^a pivoted at the middle to the center of the heater as at 10^a and rotative on the pivot. This bar also projects beyond the heater at its respective ends and when turned trans-
- 10 versely of the heater, engages lugs 8^a on the opposite walls of the upper part 2^a of the case. I prefer to make this bar flexible and spring it under the lugs 8^a, whereby the heater will be held closely against the top of
- 15 the case. In the modified form, I have also omitted the legs and lower platform which form no essential part of my invention.

What I claim is:

- 20 1. A fireless cooker, comprising a case having a removable upper part, a clamping bar in the upper part adapted to engage and hold a heater and means for detachably securing the ends of the bar to the interior of the upper part of the case.
- 25 2. A fireless cooker comprising a case having a removable upper part, a projection in

the top of the same, a heater having a recess to receive the projection, and means for detachably supporting the heater in the top of the case.

3. A fireless cooker comprising a case having a removable upper part, a heater adapted to be supported in the top of said part, a supporting bar pivoted at the middle to the under side of the heater, and lugs on the opposite walls of the case and engaged by the bar to support the heater.

4. A fireless cooker comprising a case having a detachable and removable upper part, a projection in the top of the case, a heater having a recess to receive the projection, a supporting bar pivoted at the middle to the under side of the heater, and lugs on the opposite walls of the case and engaged by the bar to detachably support the heater.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR T. HALLOCK.

Witnesses:

LUTHER V. MOULTON,
GEORGIANA CHACE.