(No Model.)

E. P. DOTY.

STEAM COOKER.

No. 492,195. Patented Feb. 21, 1893.

Fig. 1

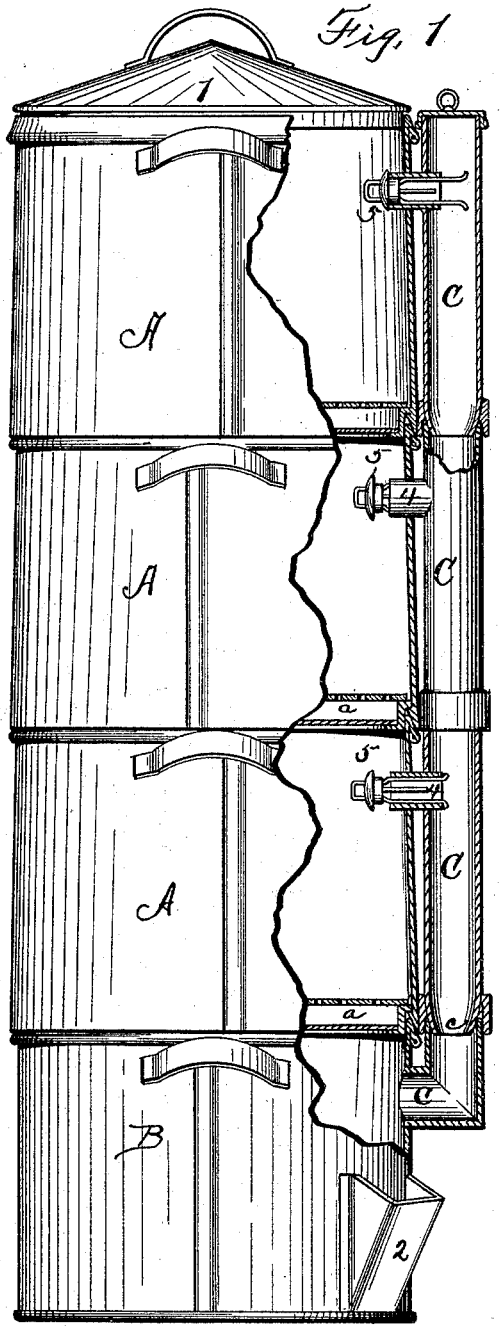


Fig. 6

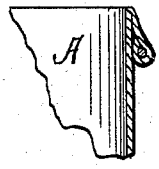


Fig. 2.

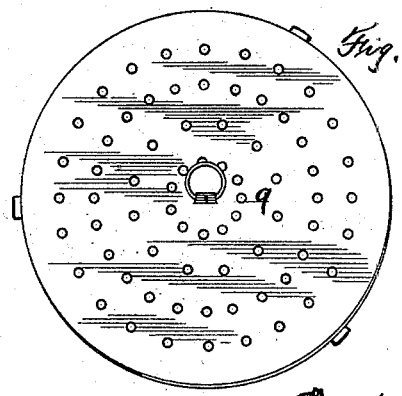


Fig. 5.

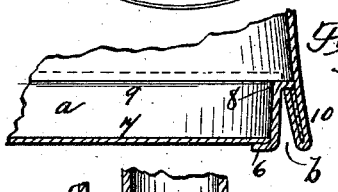


Fig. 4.

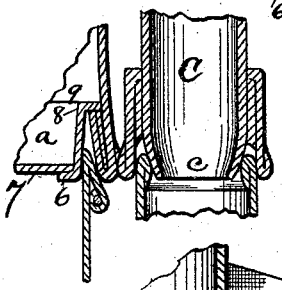
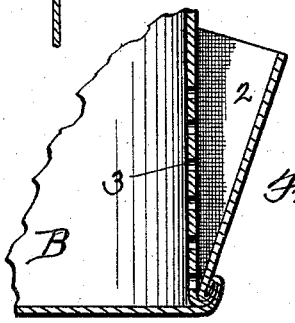


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELLSWORTH P. DOTY, OF WEEDSPORT, NEW YORK.

STEAM-COOKER.

SPECIFICATION forming part of Letters Patent No. 492,195, dated February 21, 1893.

Application filed July 15, 1892. Serial No. 440,145. (No model.)

To all whom it may concern:

Be it known that I, ELLSWORTH P. DOTY, of Weedsport, in the county of Cayuga, in the State of New York, have invented new and useful Improvements in Steam-Cookers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to the construction of steam-cookers.

My object is to produce a steam-cooker, in which the steam pipe passes the side of the cooking chambers, the steam being let in through a valve or the like and adapted to be shut off from each chamber when the food in that particular compartment is done.

My invention consists, first in providing the cooking chambers with an external steam pipe; second, in constructing the joints of the pipe steam tight; third, in providing means for separately connecting and disconnecting any compartment with steam pipe and in the several other novel features of construction and operation hereinafter described and specifically set forth in the claim hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings in which—

Figure 1, is an elevation of the cooker complete with one side broken away to show the steam inlets and a vertical section of the steam pipe. Fig. 2, is a top plan view of one of the false bottoms. Fig. 3, is a vertical section of one side of the base of the cooker showing means for straining the water as it is put in. Fig. 4, is an enlarged vertical section of the meeting ends of the steam pipe and adjacent compartments of the cooker. Fig. 5, is a vertical section of the bottom of one of the compartments showing its detail construction. Fig. 6 is a detail view of the upper edge of the compartments.

A— A— constitute a series of cookers all constructed substantially similar and arranged to set one upon the other upon the base B in which the water and steam are held.

1, is a cover adapted to fit any one of the compartments or chambers, so that it will be seen that as many or as few chambers may be used as desired.

The base compartment B, is provided with a water chute, 2, through which the water may be poured into the interior, suitable apertures 3, or perforations being made in the side of the base, for the purpose of preventing foreign elements from getting into the steam-chamber. From the upper side of the steam-chamber I lead the steam pipe C, constructed in sections to correspond with the cooking chambers, each section of which is provided with an arm, 4, leading into the chamber. The inner ends or mouths of these steam arms are provided with gates or valves 5, so that each compartment may be readily disconnected at will, by pushing the valve in where it is held by frictional contact with the steam arm. The bottoms of the cooking chambers are constructed by turning an inwardly extending flange 6, and then cutting the bottom 7 full size and allowing it to rest therein, after which it is soldered. Just above this I construct a flange 8, adapted to receive the perforated false bottom, 9, thereby creating a chamber —*a*— for condensed steam between the permanent and false bottoms. The upper end of each compartment is formed by turning the top outward, thence inward and upward inclosing a wire as shown in Fig. 6, and the outer flange 10 at the bottom is constructed flaringly thence inwardly and upward creating the recess —*b*— which receives the upper edge of the lower compartment. The lower end of each section of the steam pipe is formed by first drawing it slightly as shown at —C— then constructing the downwardly extending flange —*d*— adapted to receive the upper end of the lower section. It will thus be observed that by this construction it will be impossible for any other steam to escape. It will also be observed that by running the steam pipe outside of the cooking compartments much room is saved that is otherwise consumed in other cookers.

What I claim as my invention, and desire to secure by Letters Patent, is—

A steam cooker comprising a base, cooking chambers mounted thereon and provided with perforated false bottom, a steam pipe leading from said base constructed in sections, steam arms leading from said pipes to each chamber, comprising a cap and flange adapted to enter the inlet arm —4— and wires secured thereto adapted to engage frictionally with said arms, as set forth.

In witness whereof I have hereunto set my hand this 5th day of July, 1892.

ELLSWORTH P. DOTY.

In presence of—

H. L. HUMPHRIES,

HOWARD P. DENISON.