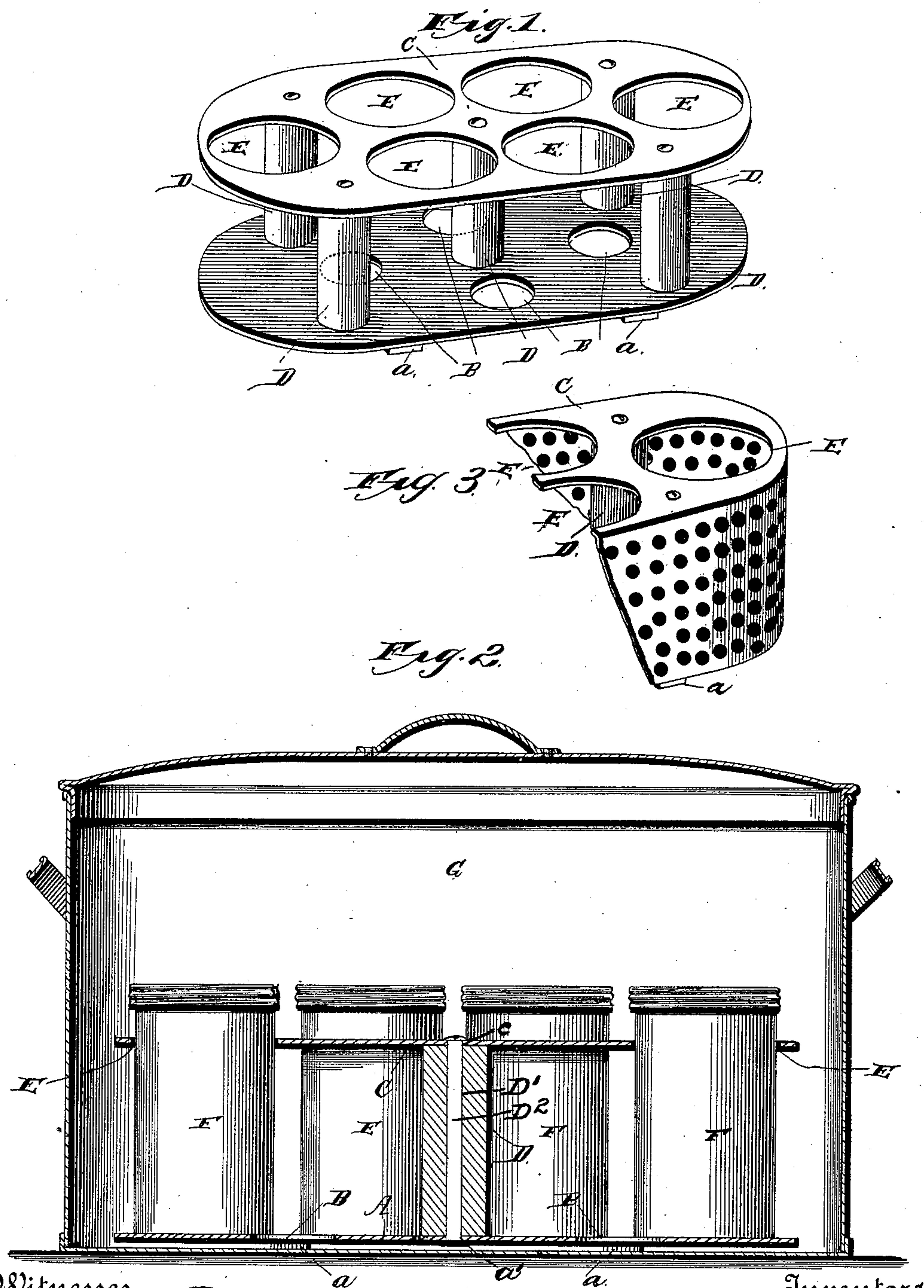


(No Model.)

F. W. & E. GAINES.
FRUIT OR VEGETABLE COOKER.

No. 405,253.

Patented June 18, 1889.



Witnesses
Geo. J. Hoyle
J. H. Riley

Inventors
Franklin H. Gaines
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UNITED STATES PATENT OFFICE.

FRANKLIN WILKS GAINES AND ELLA GAINES, OF COLFAX, WASHINGTON TERRITORY.

FRUIT OR VEGETABLE COOKER.

SPECIFICATION forming part of Letters Patent No. 405,253, dated June 18, 1889.

Application filed October 20, 1888. Serial No. 238,691. (No model.)

To all whom it may concern:

Be it known we, FRANKLIN WILKS GAINES and ELLA GAINES, citizens of the United States, residing at Colfax, in the county of Whitman, Washington Territory, have invented new and useful Improvements in Fruit or Vegetable Cookers, of which the following is a specification.

The invention relates to improvements in fruit or vegetable cookers, the object being to provide means whereby vessels—such as cans or bottles containing fruit or vegetables—may be held while exposed to the action of boiling water; and it consists in the construction and novel combination of parts, hereinafter described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a device embodying the invention. Fig. 2 is a central vertical longitudinal section of a boiler with the device and bottles inserted therein. Fig. 3 is a detail view showing a modification.

It is intended that the device shall be made entirely of metal.

Referring to the drawings by letter, A designates the bottom or base plate of the cooker, having on its lower face the feet *a*, and provided with a suitable number of circular openings B, as shown.

C is the top plate, parallel to the base-plate and secured thereto by the pillars D, the ends of which are bolted or otherwise suitably secured to the base and top plates. We prefer to perforate the post D longitudinally, as at D', and also and correspondingly perforate the top and bottom plates, as at *c* *a'*, and through the same pass vertical binding-bolts D². The top plate is provided with a number of circular openings E, larger than the openings B and not registering therewith, the two sets of openings being so situated in relation to each other that the can or bottle F passed through and fitted within each opening E will cover with its bottom about one-half of each of two adjacent openings B.

The operation of the cooker is as follows: The cans or bottles containing fruit or vegetables are inserted into the openings E, and have their lower ends resting on the base-plate, partly covering the openings B, as described. The device is then placed within a boiler G, of suitable construction, the water in which is permitted to flow under the base-plate by the feet *a*, which raise said base-plate and prevent it from coming in contact with the bottom of the boiler. The openings B, not being entirely covered, permit the steam and hot water to come into contact with the bottoms of the cans or bottles, and also to rise along the sides thereof, so that their contents will be rapidly and equally cooked.

The cans or bottles may be sealed before removal from the boiler.

It must be observed that the base and top plates are preferably made oval, so that the device may fit in an ordinary wash-boiler. If desired, the device may have continuous sides perforated for the entrance and exit of water and steam; but the described construction is preferable.

The sets of openings in each set B and E should be equally distant from each other.

Having described our invention, we claim—

The combination, with the bottom plate A, provided with openings B, and upon its under surface with feet *a*, and intermediate its openings B with bolt-holes *a'*, of the superimposed plate C, having can-openings E, and intermediate bolt-holes *c*, registering with the openings *a'* in the lower plate, and the pillars D, longitudinally bored, as at D', to register with the openings *a'* and *c*, and the bolt D², inserted through the openings D', *a'*, and *c*, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

FRANKLIN WILKS GAINES.
ELLA GAINES.

Witnesses:

E. G. SIGGERS,
J. H. SIGGERS.