

No. 719,187.

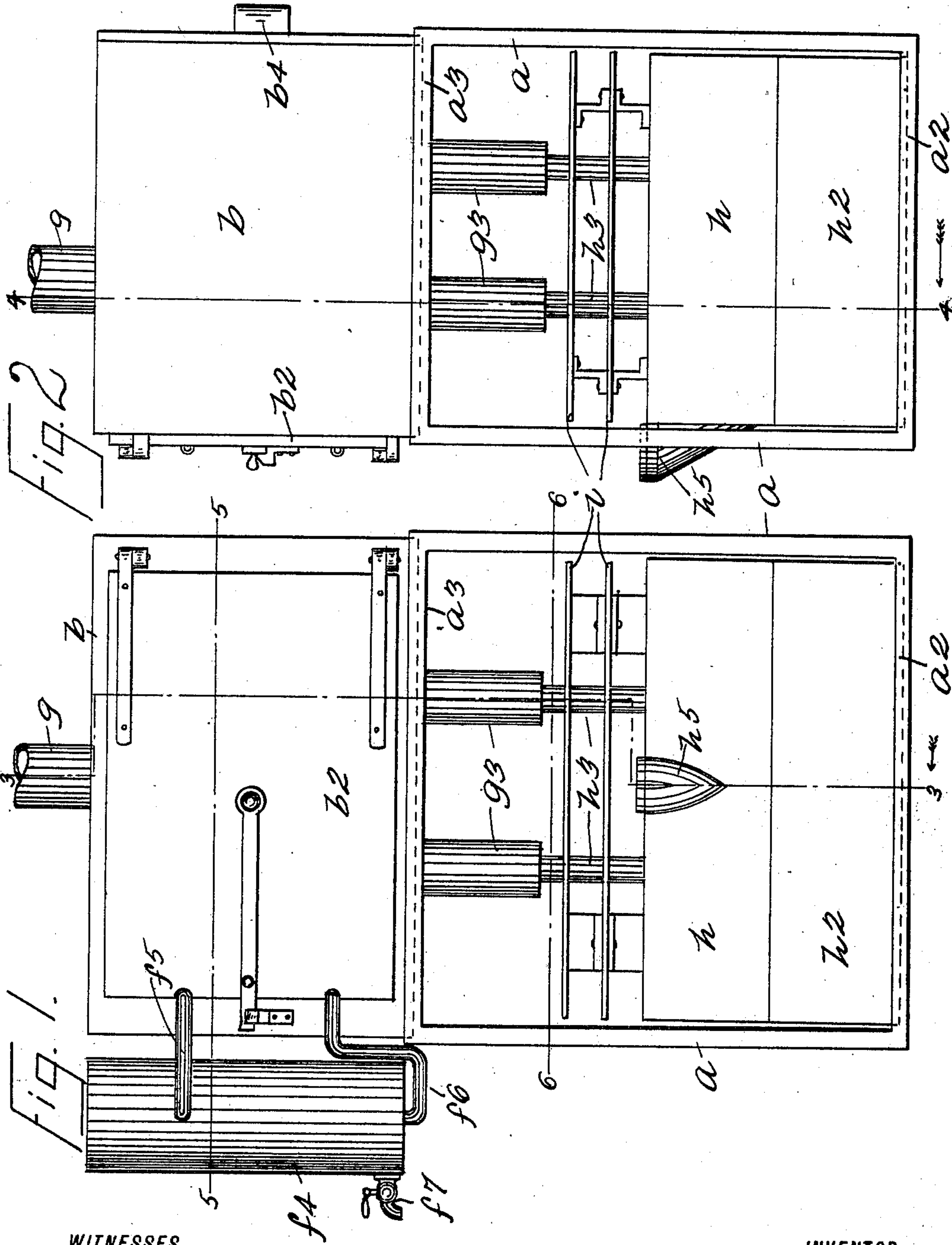
PATENTED JAN. 27, 1903.

J. T. CLANCY.
COOKING STOVE.

APPLICATION FILED SEPT. 23, 1902.

NO MODEL.

3 SHEETS—SHEET 1.



WITNESSES

J. C. Larsen
F. A. Stewart.

INVENTOR

John T. Clancy

BY

Edgar Tate Ho

ATTORNEYS

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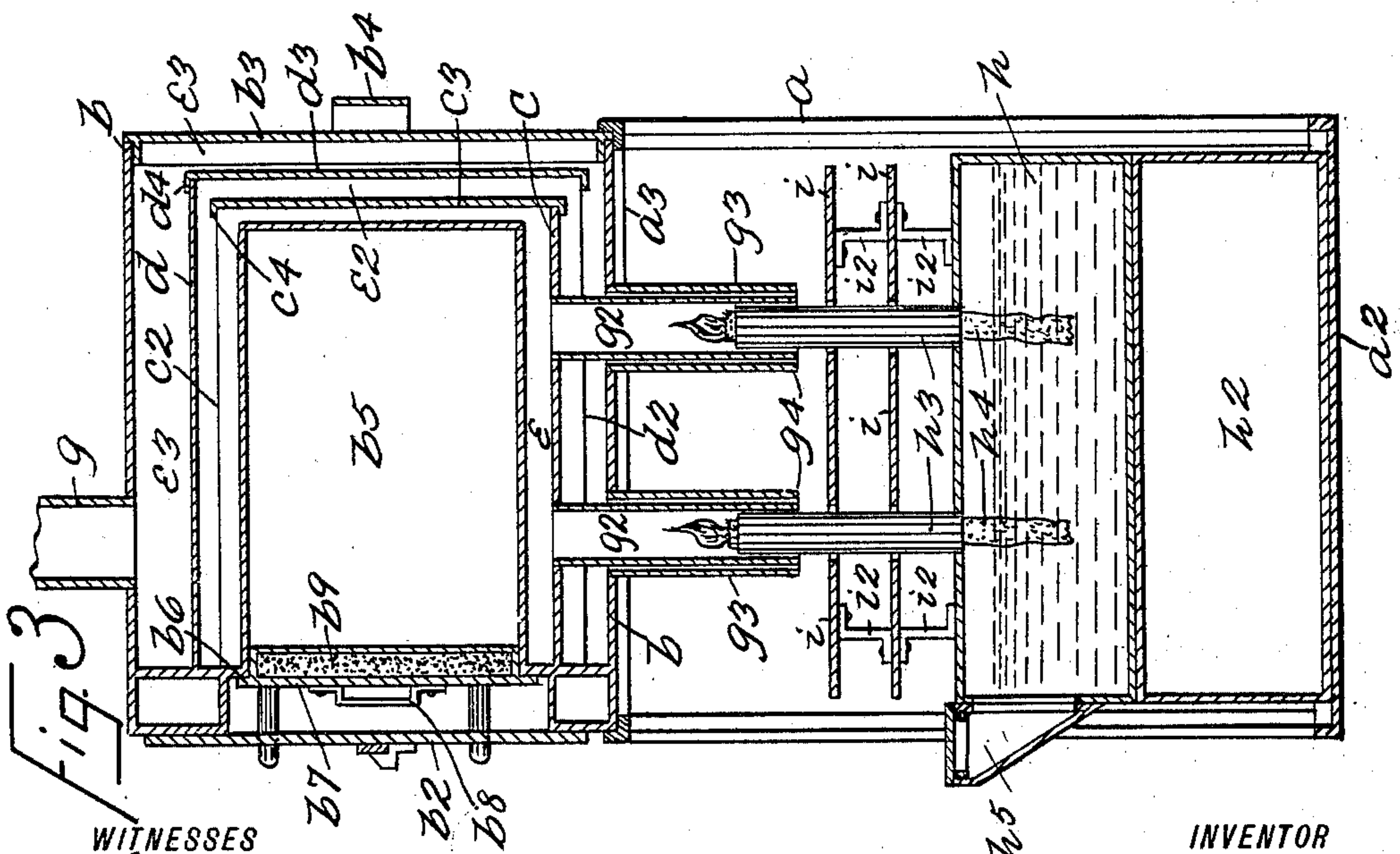
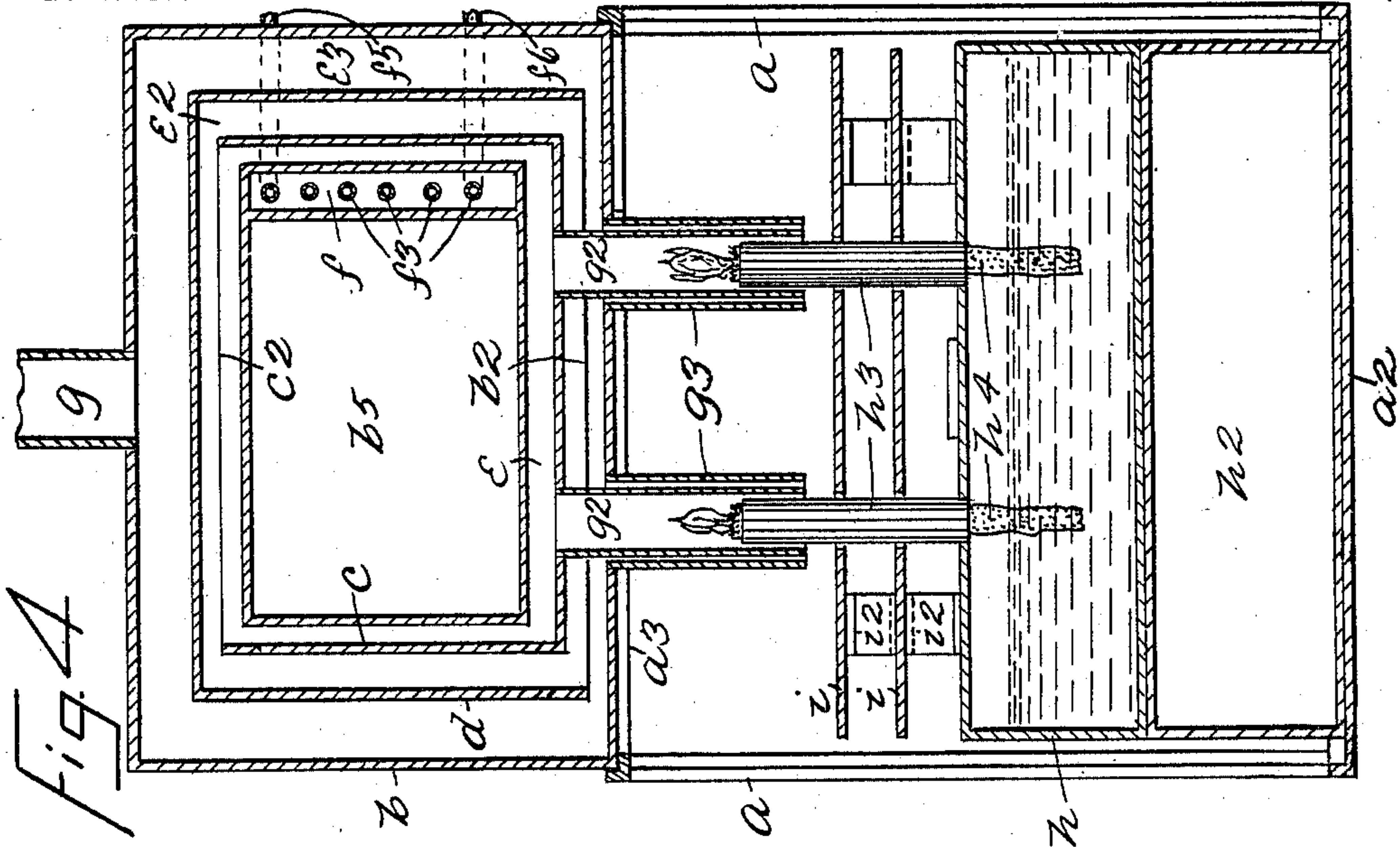
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3 SHEETS—SHEET 2.



WITNESSES

J. C. Larsen.
J. A. Stewart

BY

INVENTOR
John T. Clancy
Edgar Tatel & Co.
ATTORNEYS

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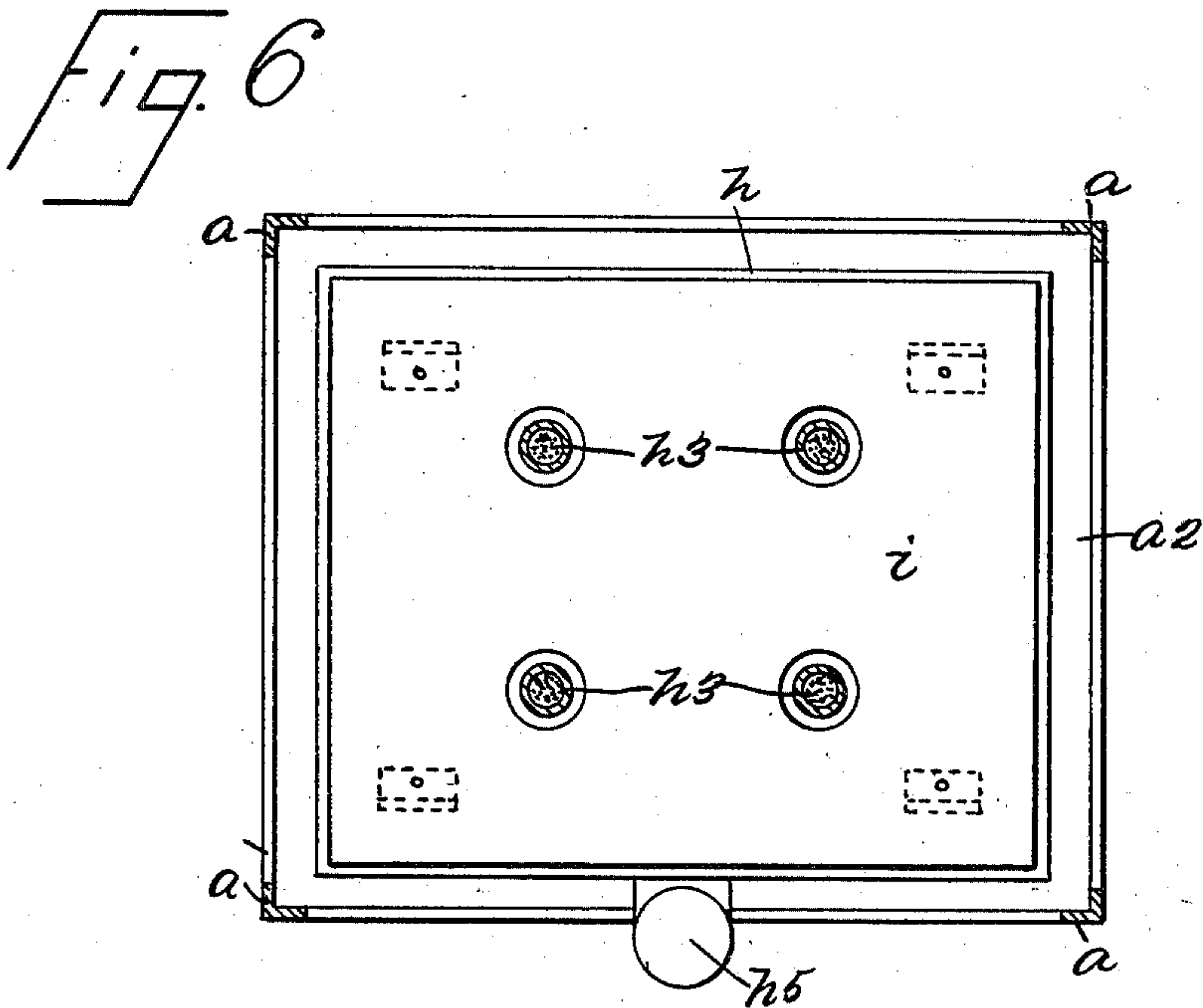
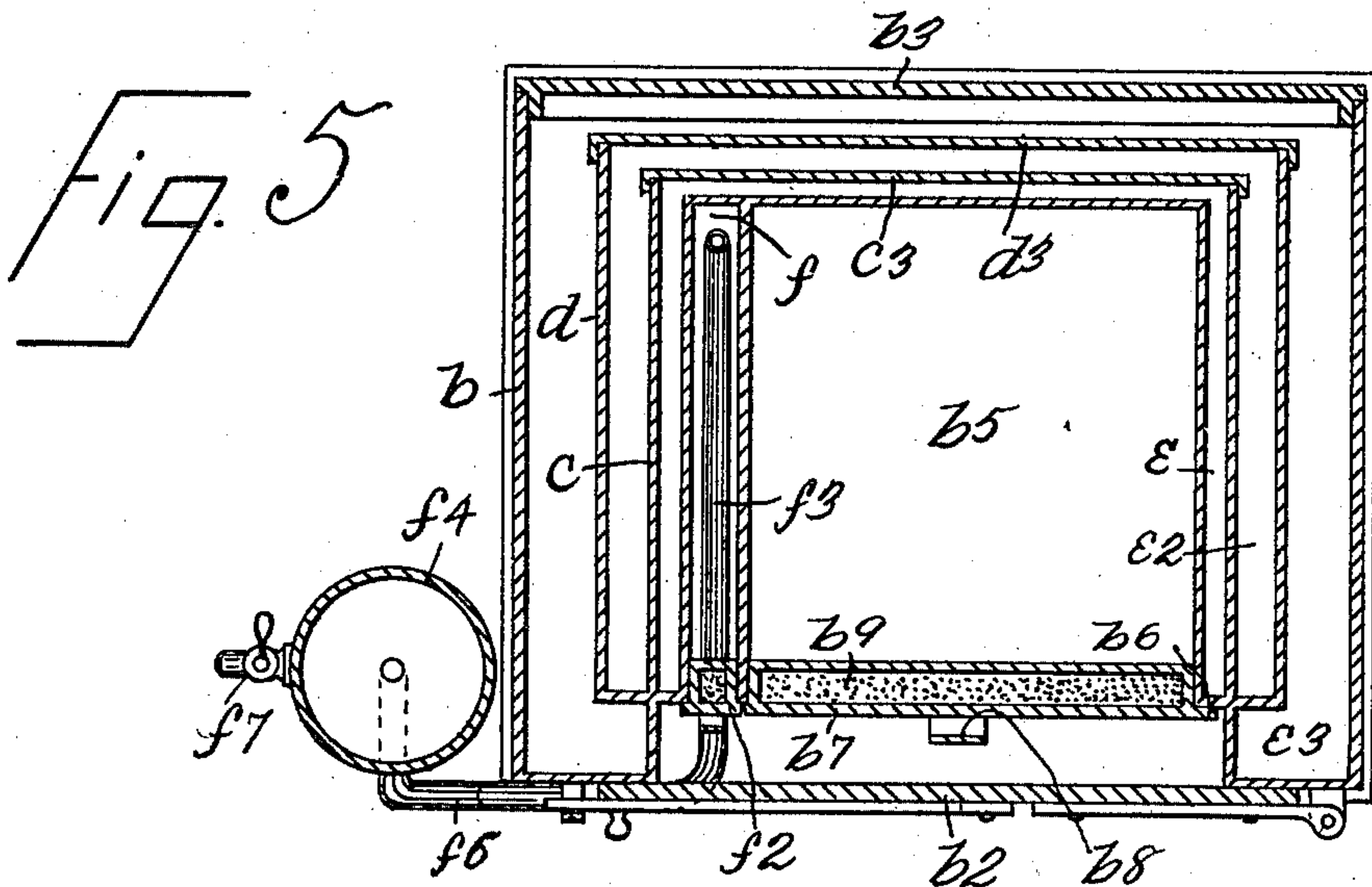
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COOKING STOVE.

APPLIOATION FILED SEPT. 23, 1902.

NO MODEL.

3 SHEETS—SHEET 3.



WITNESSES

J. C. Lassen
F. A. Stewart.

INVENTOR

John T. Clancy

BY

Edgar Tate & Co
ATTORNEYS

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN T. CLANCY, OF NEW YORK, N. Y.

COOKING-STOVE.

SPECIFICATION forming part of Letters Patent No. 719,187, dated January 27, 1903.

Application filed September 23, 1902. Serial No. 124,500. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. CLANCY, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Cooking-Stoves, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved oil cooking stove or range which is simple in construction and operation and by means of which various operations of cooking may be quickly, easily, and conveniently performed, a further object being to provide an oil-stove for the purpose specified which is comparatively safe and free from danger of explosion and by means of which water may be heated for various purposes; and with these and other objects in view the invention consists of a cooking-stove constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a front view of my improved stove; Fig. 2, a right-hand side view thereof; Fig. 3, a vertical section on the line 3 3 of Fig. 1; Fig. 4, a vertical section on the line 4 4 of Fig. 2; Fig. 5, a transverse section on the line 5 5 of Fig. 1, and Fig. 6 a similar section on the line 6 6 of Fig. 1.

In the practice of my invention I provide a rectangular frame or base composed in the construction shown in the drawings of vertically-arranged corner members or posts a , a bottom a^2 , and transverse top, front, side, and back members a^3 , and when so made the frame or base is preferably composed of angle-iron; but the exact form and construction of the support or base may be varied as desired.

On top of the base or support is placed a casing b , having a hinged front door b^2 and a removable back b^3 , having a handle b^4 , and centrally of which is placed an oven b^5 . Arranged within the casing b , rearwardly of the front door b^2 , is a vertical plate b^6 , through which the oven b^5 opens, and the oven b^5 is

provided with a removable door b^7 , having a handle b^8 and preferably packed with asbestos or other suitable material, as shown at b^9 .

The oven b^5 is inclosed by a casing c , open at the top, as shown at c^2 , and provided with a removable back c^3 , and the casing c is inclosed by an outer casing d , open at the bottom, as shown at d^2 , and provided with a removable back d^3 . The back c^3 of the casing c and back d^3 of the casing d may be provided with handles, if desired, and said backs are provided, respectively, with flanges c^4 and d^4 , which hold them in position, and the back b^3 of the main casing b is provided with a similar flange, as clearly shown in Fig. 3. As thus constructed it will be seen that there is a space e , which separates the oven from the casing c , and the space e^2 , which separates the casings c and d , and a similar space e^3 , which separates the main outer casing from the casing d^3 . At one side of the oven, preferably the right-hand side thereof, is a closed chamber or space f , which opens forwardly through the plate b^6 and is closed by a removable door f^2 , and in this chamber is placed a water-coil f^3 , and at the adjacent side of the stove is placed a water tank or boiler f^4 , which is in communication with the top and bottom portions of said coil by means of pipes f^5 and f^6 .

The top of the main outer casing is provided with an escape flue or pipe g , and the bottom of the inner casing c is provided with a plurality of pipes g^2 , four of which are shown and which communicate with the space e and pass downwardly through the bottom of the main casing b , and secured to the bottom of the main casing b are corresponding pipes g^3 , which extend downwardly and through which the pipes g^2 also extend, and the lower ends of these pipes terminate at a predetermined point below bottom of the main outer casing, as shown at g^4 . Within the base-frame or support is placed a removable oil-reservoir h , which is provided with a removable support h^2 , which in the construction shown is made in the form of a box, and the top of the reservoir h is provided with a plurality of wick-tubes h^3 , which equal in number the tubes g^2 and through which are passed wicks h^4 , and the wick-tubes h^3 may be provided with wick-adjusting devices, if

desired, or the wicks may be made of non-destructible material.

Connected with the top of the reservoir h are a plurality of horizontally-arranged plates i , which are arranged one above another and provided with suitable supports i^2 , and these plates serve as deflectors to prevent the heat from passing downwardly and overheating the oil-reservoir, and said plates may be of any desired material, and the air is free to circulate beneath and between and around the same.

The oil-reservoir h in the form of construction shown is also provided at one side with a filling tube, nozzle, or spout h^5 , and said reservoir may be composed of any desired material, and when in use it rests on the support h^2 .

The water tank or boiler f^4 may be closed at the top, if desired, and may be a part of a hot-water circulating system, or said tank may be opened at the top and provided with a removable cover, and the water heated therein may be used for any desired purpose, and said tank is provided at the bottom thereof with a faucet f^6 , by means of which water may be drawn therefrom.

In the operation of my improved stove the box or support h^2 is first removed, and the reservoir is then removed and filled or partially filled with oil, after which the reservoir is inserted into the position shown in Figs. 3 and 4. In this operation the burner or wick tubes h^3 are passed into the tubes g^2 , after which the box or support h^2 is placed in position, so as to form a support for the reservoir and hold it in proper operative position. The wicks h^4 are ignited before the reservoir is placed in position, and the heat therefrom passes upwardly through the tubes g^2 against bottom of the oven b^5 , and the heat passes entirely around this oven, except at the front, and out at the top of the casing c , and then down around the casing c and out at the bottom of the casing d , and then up and around said casing d and out through the pipe or flue g . In this operation the oven, as will be understood, is highly heated, and the processes of baking or roasting or boiling or stewing may be carried on therein, it being understood that when boiling or stewing is carried on in the oven c separate vessels must be placed therein which contain the articles to be boiled or stewed and the necessary water, and it will also be understood that, if necessary, the top of the oven may be supplied with small openings through which the steam may escape. It will also be apparent that cooking vessels of various kinds may be placed on the main outer casing b and water may also be heated thereon.

The object of making the back parts of the inner casings c and d removable and also the back of the main outer casing b is to provide means whereby the spaces e^2 and e^3 may be cleaned when desired, and the door f^2 affords access to the chamber f for a similar purpose

and in order that the water-coil f^3 may be examined, if necessary.

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

1. In a stove of the class described, a base or support, a removable oil-reservoir placed therein and provided with wick-tubes, a main casing placed on said support and provided with a hinged front door and a removable back, an oven placed in said casing and provided with a removable front door, a supplemental casing inclosing the oven and open at the top, another casing inclosing the supplemental casing and open at the bottom, and tubes connected with the bottom of the supplemental casing and extending downwardly through the bottom of the main outer casing and adapted to receive the wick-tubes connected with the reservoir, substantially as shown and described.

2. In a stove of the class described, a main outer casing, provided with a front door and an oven placed centrally therein and provided with removable front door, an inner casing inclosing the oven and open at the top another casing inclosing said last-named casing and open at the bottom, substantially as shown and described.

3. In a stove of the class described, a main outer casing, provided with a front door, an oven placed centrally therein and provided with removable front door, an inner casing inclosing the oven and open at the top, another casing inclosing said last-named casing and open at the bottom, and tubes connected with the bottom of the inner casing and extending downwardly through the bottom of the main outer casing, said oven being also provided at one side with a closed chamber having a water-coil, substantially as shown and described.

4. In a stove of the class described, a base, a removable support placed therein, a removable oil-reservoir placed on said support, a main outer casing placed on said base and provided with a front door, an oven placed in said outer casing and provided with a front door, a supplemental inner casing inclosing the oven and open at the top, another casing inclosing the supplemental inner casing and open at the bottom, pipes connected with the bottom of the supplemental inner casing, and wick-tubes connected with the reservoir and adapted to be inserted into said pipes, substantially as shown and described.

5. In a stove of the class described, a base, a removable support placed in the bottom thereof, an oil-reservoir adapted to be placed on said support and provided with burner-tubes, a main outer casing placed on the base and provided with a front door, an oven placed in the main outer casing and provided with a front door, a supplemental inner casing inclosing the oven and open at the top, another casing inclosing the supplemental inner casing and open at the bottom, the back of the supplemental inner casing, the last-

named casing, and the main outer casing being removable, and tubes connected with the bottom of the supplemental inner casing and extending downwardly through the bottom of
5 the main outer casing and adapted to receive the wick-tubes connected with the reservoir, substantially as shown and described.

In testimony that I claim the foregoing as

my invention I have signed my name, in presence of the subscribing witnesses, this 21st day of September, 1902.

JOHN T. CLANCY.

Witnesses:

ABRAHAM A. SILBERBERG,
J. C. LARSEN.