

No. 724,777.

PATENTED APR. 7, 1903.

M. BARMAN.
HEATER.

APPLICATION FILED SEPT. 16, 1902.

NO MODEL.

Fig. 1.

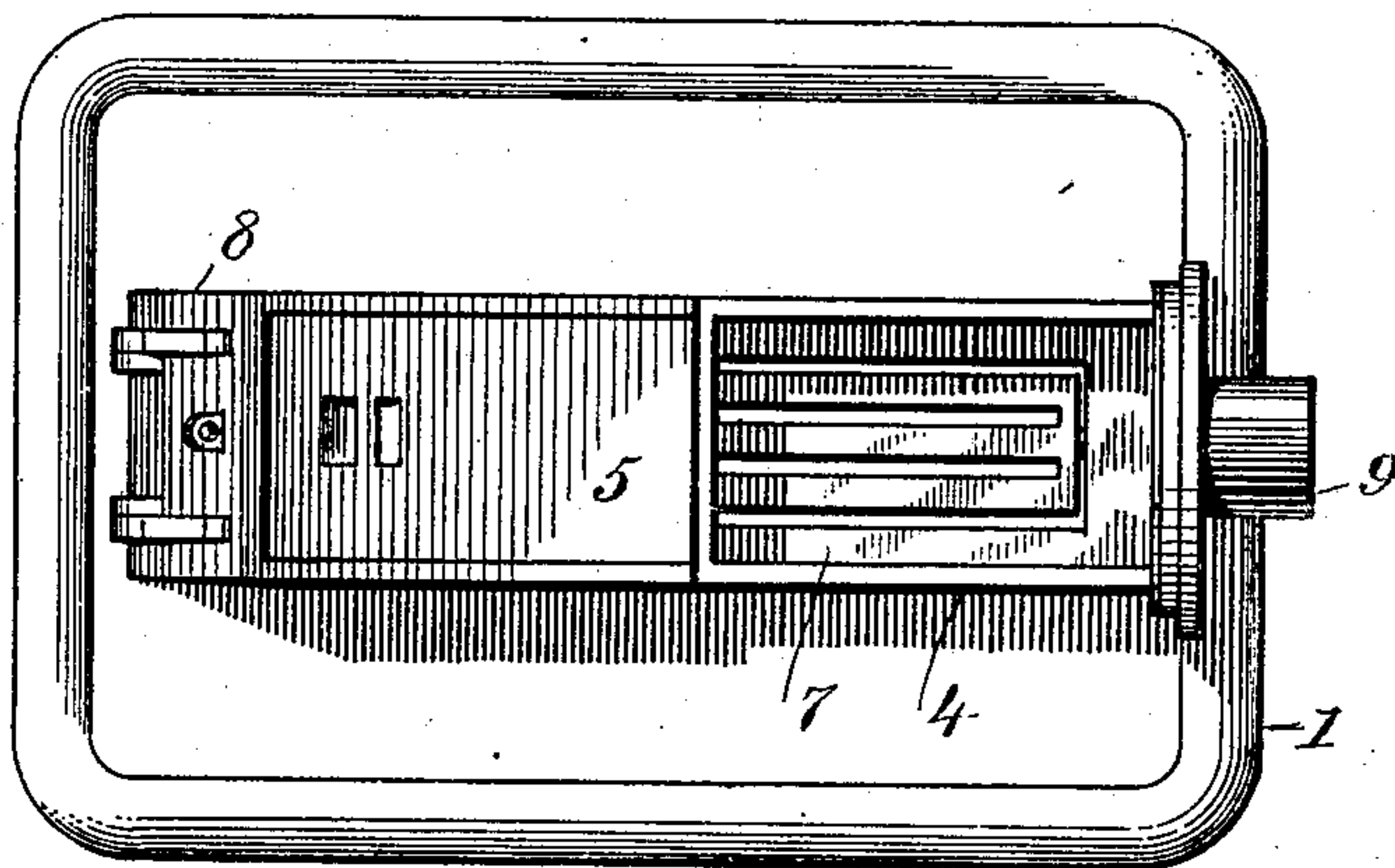


Fig. 2.

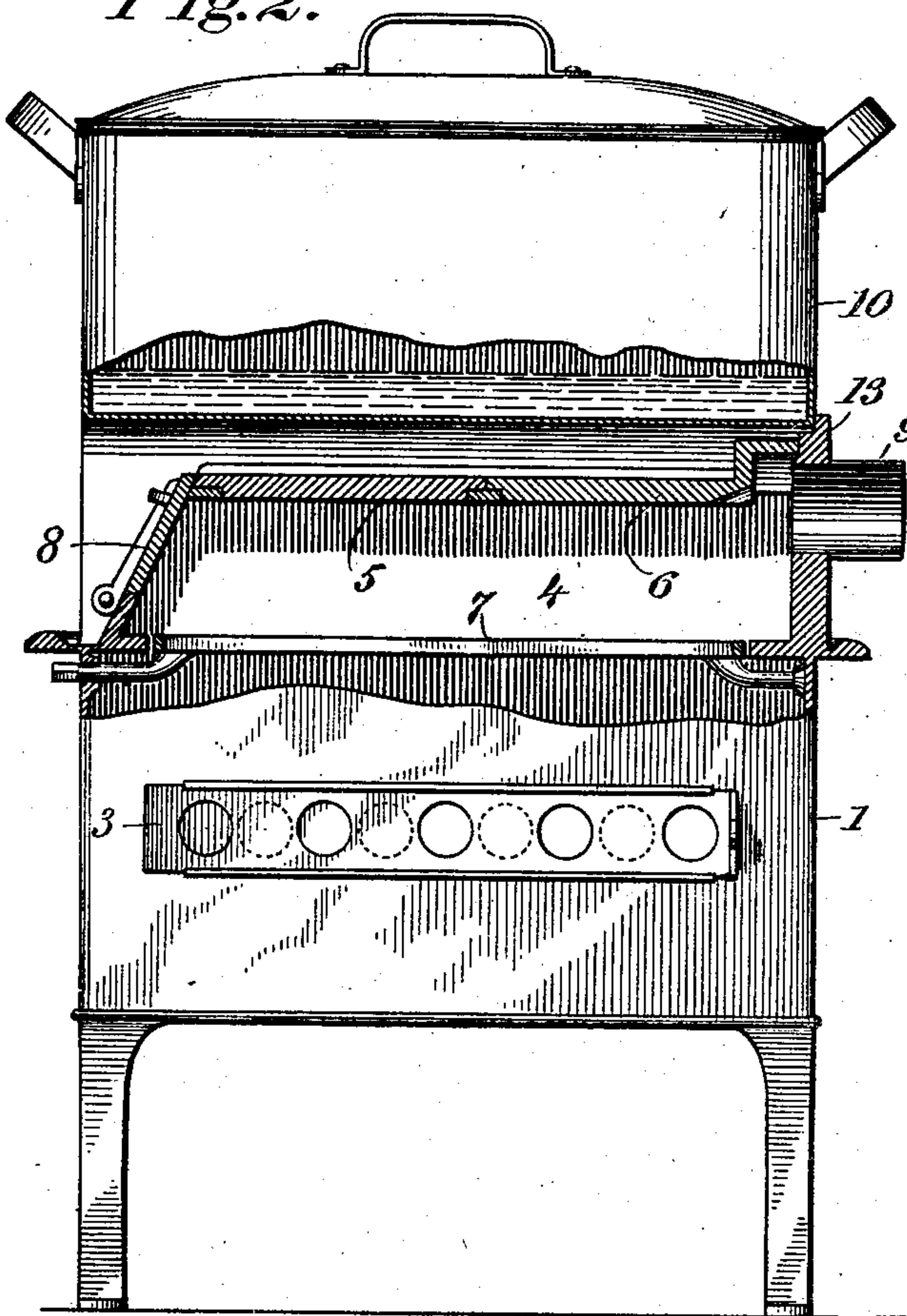
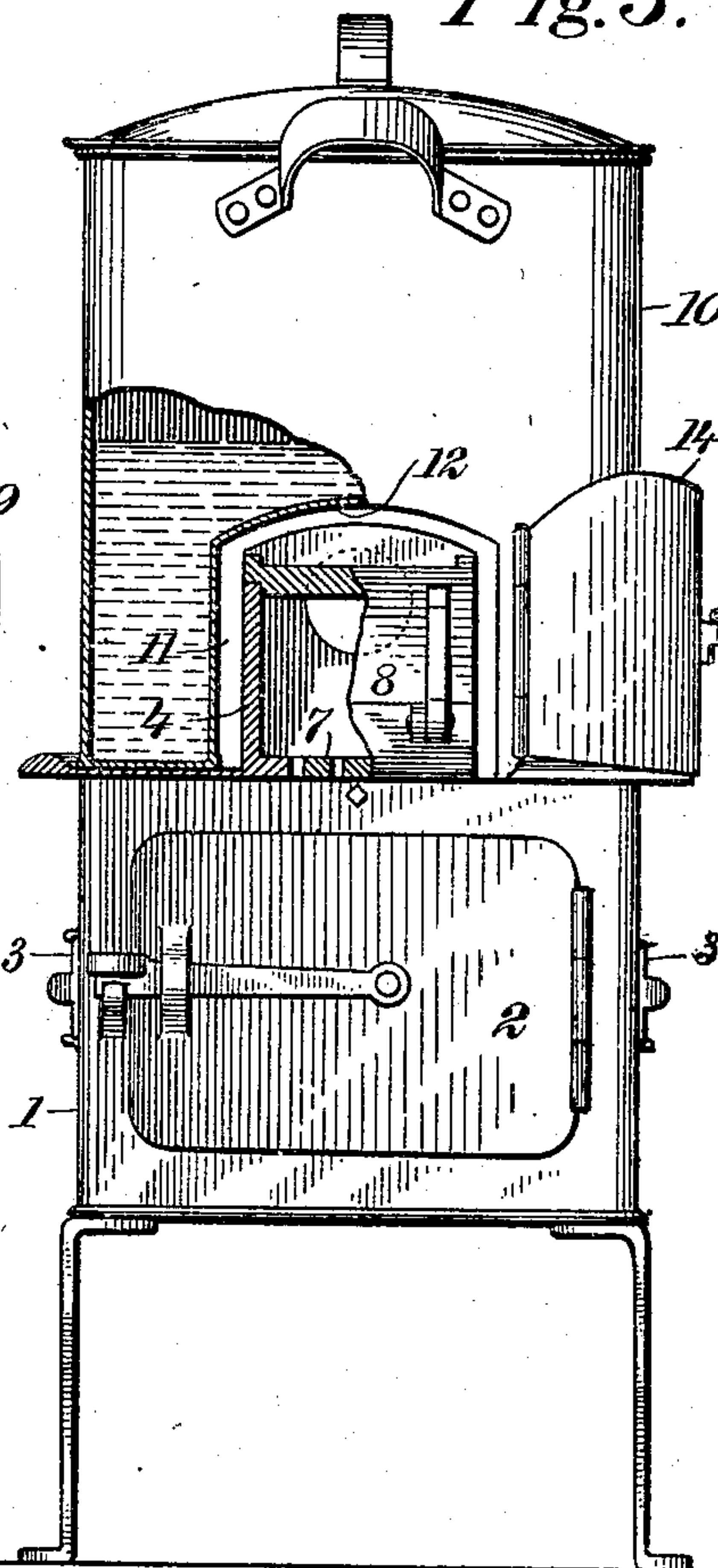


Fig. 3.



WITNESSES:

Robert Head
C. R. Ingram

INVENTOR

Max Barman

BY

Wm. W. W.
ATTORNEYS

UNITED STATES PATENT OFFICE.

MAX BARMAN, OF BROOKLYN, NEW YORK.

HEATER.

SPECIFICATION forming part of Letters Patent No. 724,777, dated April 7, 1903.

Application filed September 16, 1902. Serial No. 123,566. (No model.)

to all whom it may concern:

Be it known that I, MAX BARMAN, a citizen of the United States, and a resident of the city of New York, borough of Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Heaters, of which the following is a full, clear, and exact description.

This invention relates to improvements in heaters particularly adapted for heating or boiling water for laundry use; and the object is to provide a heater comprising a fire-box and boiler so arranged that the fire-box will occupy a comparatively large space of the boiler-bottom, thus increasing the area of water directly acted upon by the heat.

I will describe a heater embodying my invention and then point out the novel features in the appended claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a heater embodying my invention with the boiler removed. Fig. 2 is a side elevation, partly in section, with the boiler in place; and Fig. 3 is an end elevation thereof, partly in section.

The heater comprises an ash-box 1, having a door 2 at one end and slide-dampers 3 at the sides. On the top of the ash-box is the fire-box 4, having removable lids or covers 5 6, so that it may be readily cleaned, and it also has a bottom grate 7. At the front end of the fire-box is a downwardly-swinging door 8, and at the rear end is a smoke-outlet pipe 9. The fire-box, it will be understood, is of considerably less width than the ash-box. The boiler 10 has its bottom shaped to fit over the fire-box and to rest upon the ash-box. As hereshown, the boiler has upwardly-extended side walls 11, which extend along the opposite sides of the fire-box, and these side walls are connected by the top arched portion 12, which extends over the top of the fire-box.

When the boiler is in position, the rear end will abut against the back plate 13 of the fire-box, thus closing the end of said bottom space, the other end being closed by a door 14. By providing the door 14 it is obvious that it is not necessary to remove the boiler to place fuel in the fire-box—that is, when it is desired to charge the fire-box the door 14 may be opened, and then the door 8 may be opened—and of course by thus closing the ends the heat will be prevented from escaping. By this construction it will be seen that a very large heating area is provided, and consequently the water may be brought more quickly to boiling-point than would be the case when the bottom of the boiler is flat and seated directly on the flat surface of a heater.

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

1. A heater comprising an ash-box, a fire-box arranged thereon and a downwardly-swinging door for the fire-box, a boiler having its bottom formed to extend along the opposite sides of said fire-box and over the top of the same and a door on the boiler in line with the fire-box door.

2. A heater comprising an ash-box, a fire-box thereon and of less width than the ash-box, a downwardly-swinging door at the forward end of the fire-box, a boiler having a bottom portion consisting of opposite side walls adapted to extend along the side walls of the fire-box, and a top portion for extending over the top of the fire-box, a door at one end of the boiler, and a back plate for the heater and forming a closure for the other end of the boiler.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MAX BARMAN.

Witnesses:

JULIUS DAVICK,
ISAAC MARKS.