

J. L. WILSON.
Stove Boiler Heater.

No. 232,163.

Patented Sept. 14, 1880.

Fig. 1.

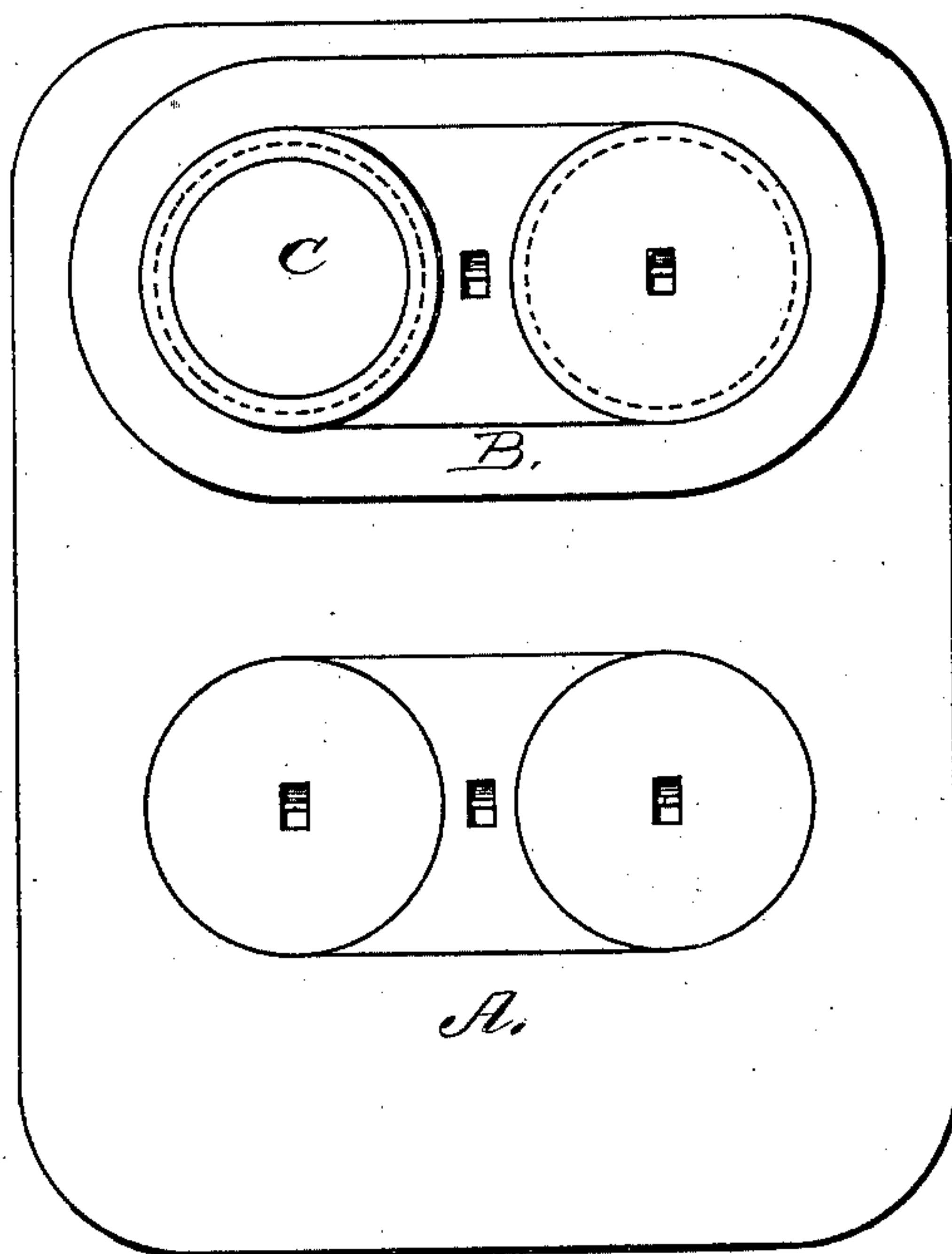
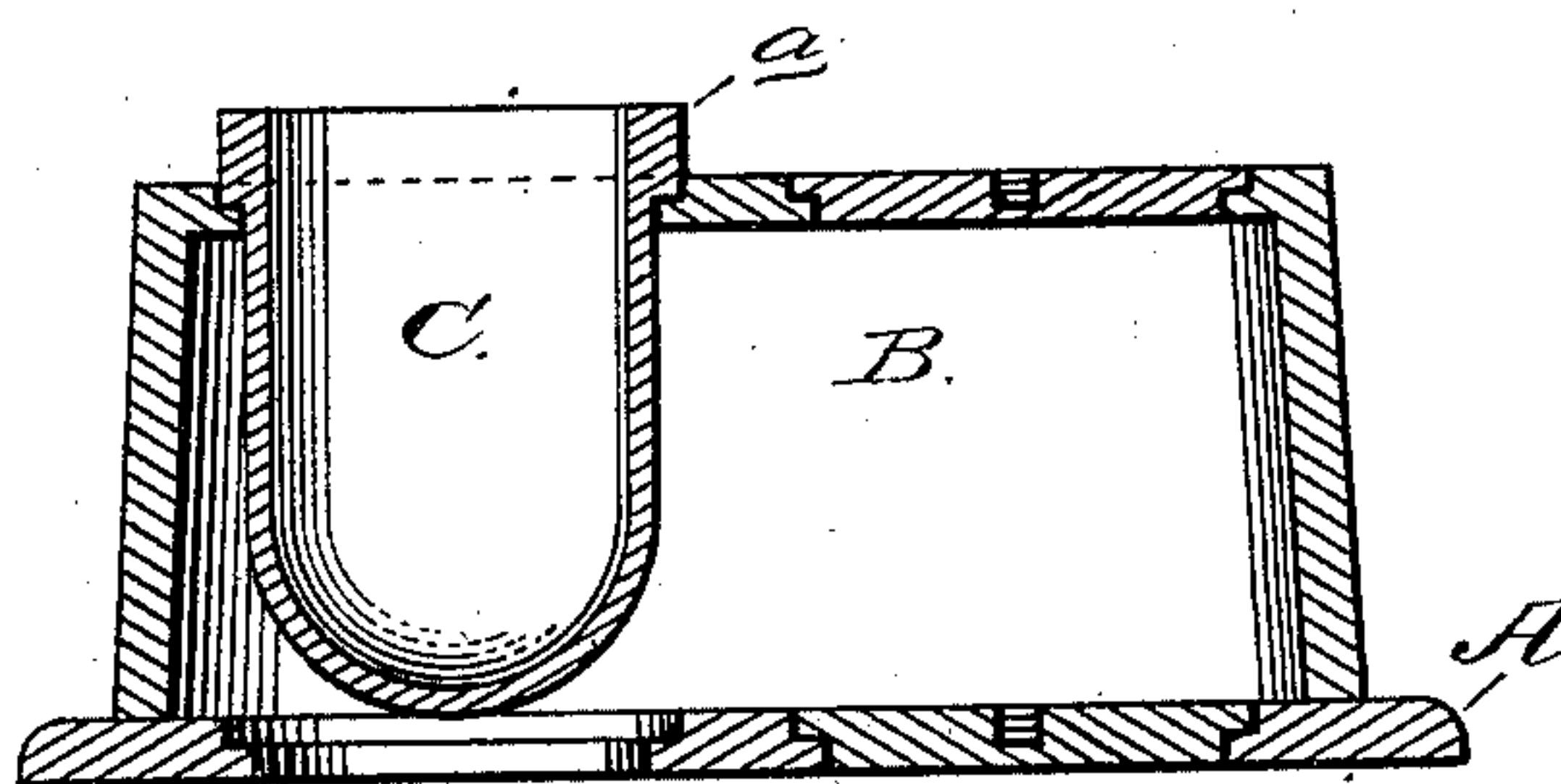


Fig. 2.



WITNESSES
Villette Anderson.
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UNITED STATES PATENT OFFICE.

JAMES L. WILSON, OF CALHOUN, GEORGIA.

STOVE-BOILER HEATER.

SPECIFICATION forming part of Letters Patent No. 232,163, dated September 14, 1880.

Application filed January 31, 1880.

To all whom it may concern:

Be it known that I, JAMES L. WILSON, of Calhoun, in the county of Gordon and State of Georgia, have invented a new and valuable
5 Improvement in Stove-Boiler Heaters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being
10 had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a top view of a stove with my improved heater applied, and Fig. 2 is a longitudinal
15 vertical section of the same.

This invention has relation to improvements in attachments for cooking-stoves; and it consists in the construction and novel arrangement of parts, as hereinafter shown, described,
20 and set forth in the claim.

In the annexed drawings, the letter A designates the top of an ordinary wood or coal stove, having in it the usual oblong orifice for the reception of a clothes or other boiler, and
25 the usual pot-holes. These are closed at pleasure by the usual stove-plates.

B indicates a hollow oblong metallic box resting on the stove over the hole for the boiler, and having its lower end open. This box has
30 in its top an oblong opening, closed by ordinary stove-hole plates, and capable of receiving a full-sized wash-boiler or two smaller pots or kettles. In the drawings only one pot, C, is shown, extending down nearly into the
35 stove-hole of plate A, with its end projecting but slightly above the top of box B, and provided with a holding-flange, *a*; but it is clear that a second pot may be placed in the other hole, if desired. By this means nearly the
40 entire body of the pot is received within the box B and subjected to the heat, so that water

in the pot becomes speedily heated, this result being due to the enlarged surface exposed to the heat and flame. This box B may be readily removed and placed out of the way, and
45 the stove restored to its normal condition by replacing the hole-plates.

The pot C is, as it were, jacketed by the employment of box B, and nearly its entire superficies is exposed to the flame.
50

I am well aware that a stove having a raised chamber in its top communicating with a smoke-flue and provided in its top with a pot-hole, the said chamber having a vertical transverse partition and dampers at the upper and
55 lower edges of said partition, whereby the products of combustion are directed against the bottom of the pot or passed directly into the smoke-flue, is not new, and I do not claim such devices.
60

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

In an attachment for cooking-stoves, the combination, with the hollow open-ended box B, having a flanged oblong opening in its top,
65 like the openings in the top of a cooking-stove, adapted to receive the bridge and circular plates and the cooking utensils employed therewith, of the vessel C, having the flange
70 *a* extending downwardly into said box and engaging the flange of the opening, whereby the bottom of said vessel C is in direct contact with the heat from the opening of the plate A, as shown and described.

In testimony that I claim the above I have
75 hereunto subscribed my name in the presence of two witnesses.

JAMES L. WILSON.

Witnesses:

JOHN N. KIKER,
ROBERT G. MORROW.