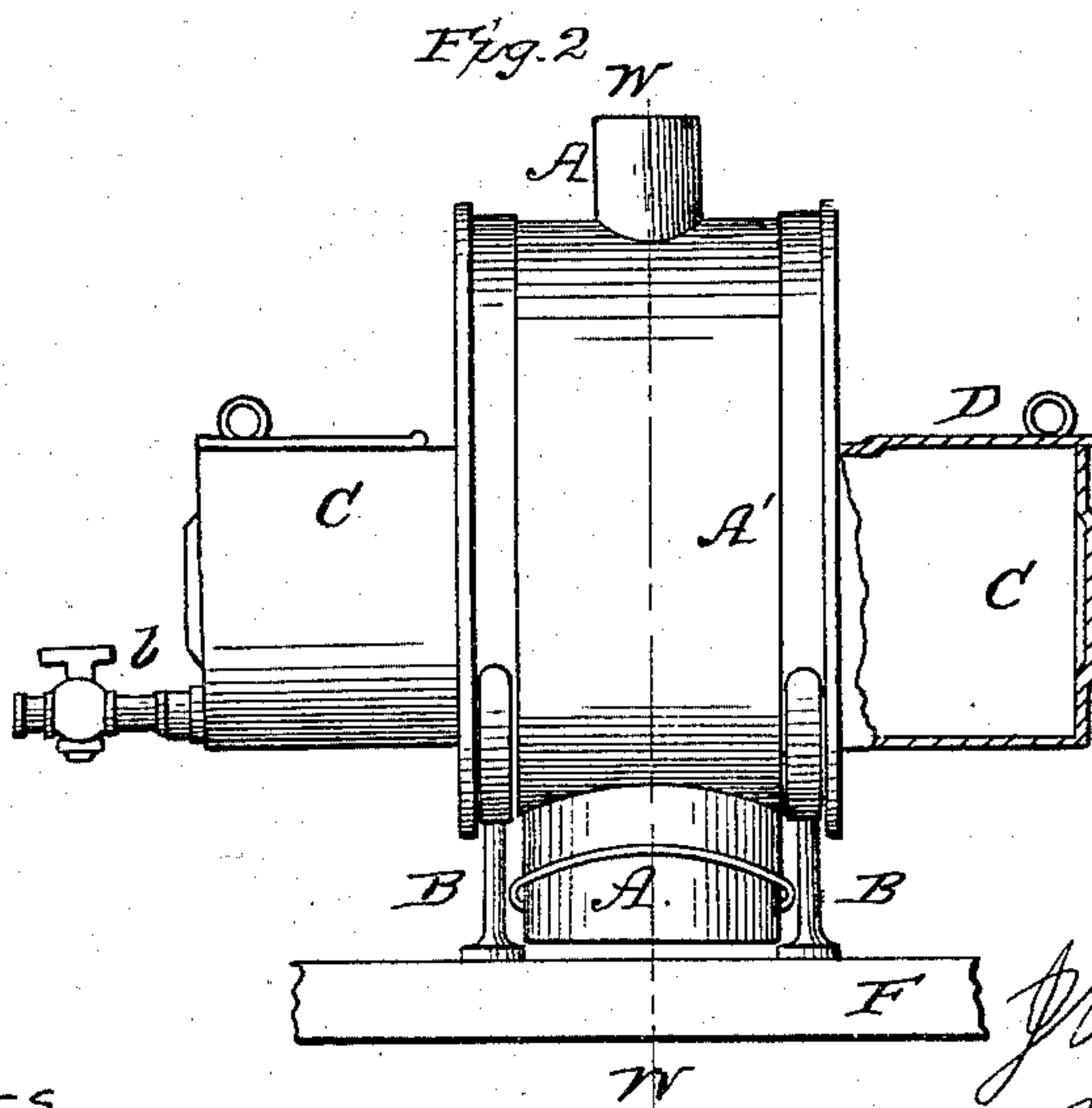
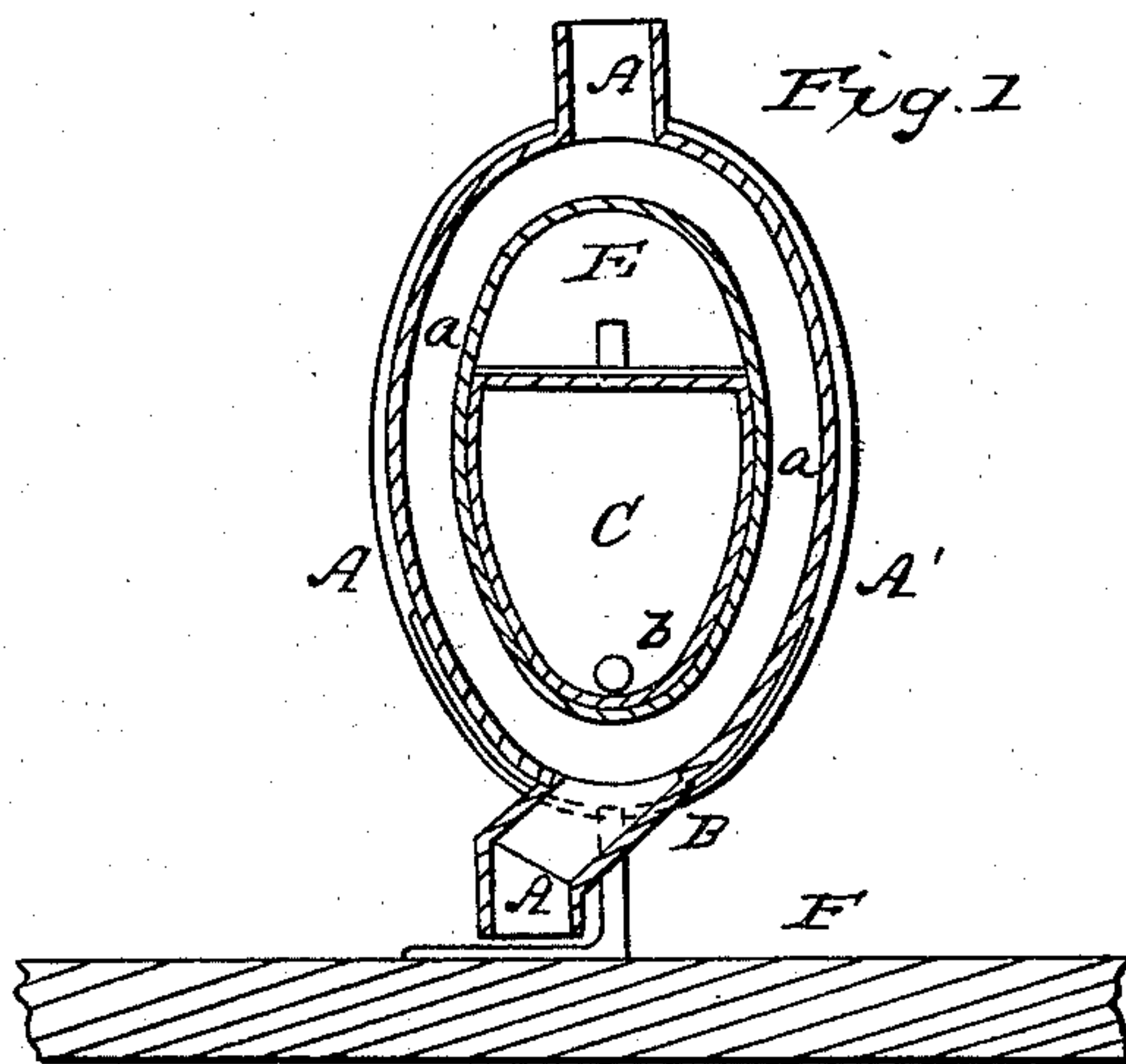


J. BAUMEISTER.
Stove Pipe Water Heater.

No. 48,253.

Patented June 20, 1865.



WITNESSES
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UNITED STATES PATENT OFFICE.

JOHN BAUMEISTER, OF DETROIT, MICHIGAN.

STOVE-PIPE WATER-HEATER.

Specification forming part of Letters Patent No. 48,253, dated June 20, 1865.

To all whom it may concern:

Be it known that I, JOHN BAUMEISTER, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Apparatus for Heating Water; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents an elevation of a vertical section of an apparatus made according to my invention, the section being taken on the line *w* of Fig. 2. Fig. 2 is a side elevation of the apparatus, part of the water-vessel being seen in section.

Similar letters of reference indicate corresponding parts.

This invention consists in a novel construction and arrangement of part of a stove-pipe, whereby it is formed into a heating-drum, whose shape is such as enables it to embrace a movable water-vessel, wherein water can be heated by means of the heat of the products of combustion and hot air which pass through the stove-pipe.

In the example of my invention here shown the pipe, which ascends through the floor *F* of any apartment from any apartment below, is to be connected with the stove-pipe *A*, which, after being carried upward a little way, is formed into curved branches *A' A'*, which ascend a little way, and are then united, so as to form an oval-shaped drum, whose walls inclose flues *a a*. The top of this drum is pierced to receive the stove-pipe *A*, which is thence

taken to any flue or other connection. The oval space *E*, inclosed within the branches *A'* of the drum, is occupied, in whole or in part, by a water-vessel, *C*, whose bottom and sides are made of a shape to fit the sides of the said branches. The vessel *C* may have one or more compartments, and may also have one or more faucets—such as *b*—whereby to draw water or any other liquid contained therein. The vessel *C* is of greater length than the drum, so as to project from either end, as seen in Fig. 2, and it has lids *D* properly hinged to its top at each end.

It will be observed that by means of this construction a large quantity of warm water can be had, ready for use in a household, without actually applying a vessel to a fire or putting it on a stove, and the only heat employed in warming it will be that which passes away and escapes through the stove-pipe into the atmosphere.

The branches *A' A'*, which form the seat for the water-vessel, may be located in any part of the pipe of a stove, as, for instance, immediately over the stove, in the same apartment with it, as well as in upper apartments through which the stove-pipe may be led.

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

The stove-pipe water-heater above set forth, constructed substantially as and for the purpose above described.

JOHN BAUMEISTER.

Witnesses:

GOTTFRIED SCHWEIZER,
CARL KNAUPE.