

E. G. WOODWORTH.  
Wash-Boiler.

No. 207,147.

Patented Aug. 20, 1878.

Fig. 1.

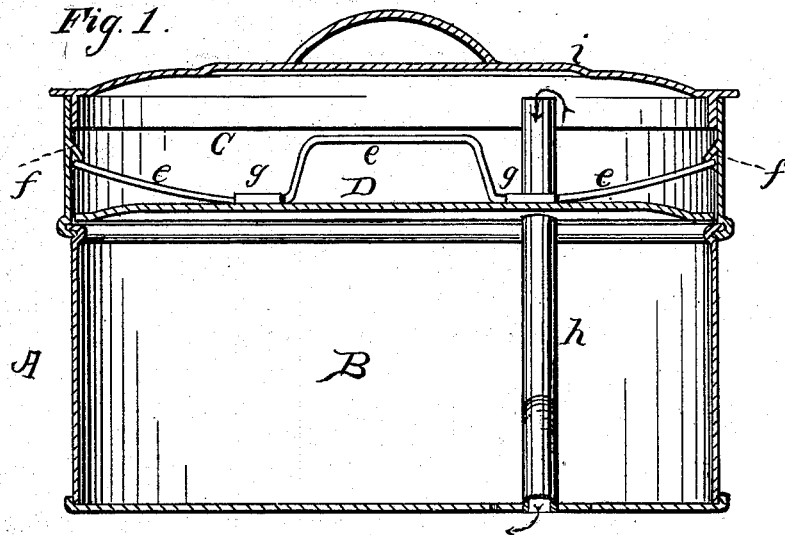


Fig. 2.

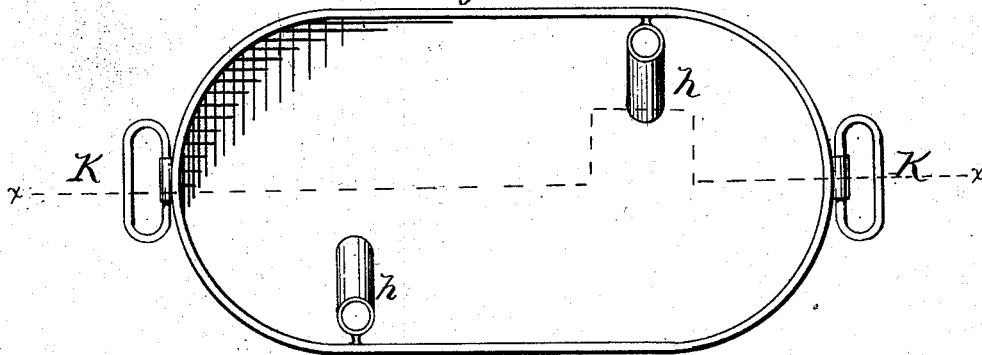
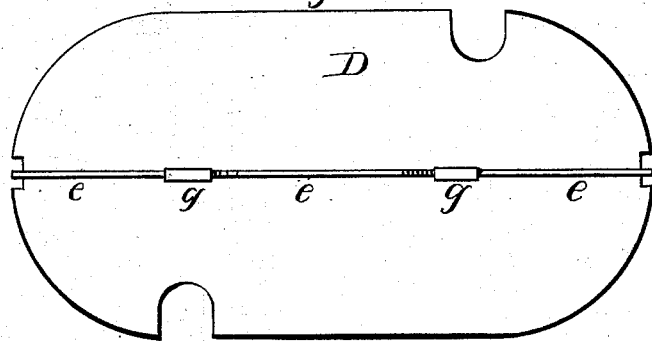


Fig. 3.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. **207,147**, dated August 20, 1878; application filed January 10, 1878.

*To all whom it may concern:*

Be it known that I, ELON G. WOODWORTH, of Pittsburg, in the county of Allegheny, State of Pennsylvania, have invented a new and useful Improvement in Wash-Boilers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in wash-boilers; and consists in dividing the boiler into a boiling and steam-chamber, with tubes leading from the latter through the former, and through the bottom of the boiler, whereby the steam which escapes from the boiling of the clothes into the steam-chamber is conducted through the medium of said pipes into the fire-flues of a stove or range; also, in the means for adjusting the lid within the boiler, whereby the lid is adapted to operate as a valve, all substantially as hereinafter more fully set forth and claimed.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a vertical section of a wash-boiler embodying my improvements, taken on the line *xx* of Fig. 2. Fig. 2 is a plan view of the same with the cover and inner lid removed, so as to illustrate the relative position of the two pipes, of which the sectional view necessarily shows but one. Fig. 3 represents the inner lid which divides the wash-boiler into two compartments.

In the drawings, A represents the body of the boiler, which is divided into two compart-

ments, B and C, through the medium of a lid, D, which is held in position by means of wires, *e*, which catch under lugs *f* at each end of the boiler, and are held in position with relation to the lid D by means of the loops *g*, the wires *e* acting as a spring for the purpose of holding the lid D down so as to keep the steam in the boiling-chamber B, thereby increasing the boiling process and facilitating the boiling of the clothes. The lid D, combined with the action of the wire *e*, causes the lid to act as a valve, which yields to undue pressure, allowing the steam to escape into the chamber C, from which it escapes through the tubes *h* into the fire-flues of the stove or range. The chamber C is provided with a lid, *i*, which is of ordinary construction, and the body A of the boiler is provided with handles K.

Having thus described my improvement, what I claim is—

1. A wash-boiler divided into compartments B C through the medium of a lid, D, having tubes leading from the compartment C through the compartment B, and communicating with the fire-flues of a stove or range, substantially as herein described, and for the purpose set forth.

2. The lid D, arranged to divide the above-described wash-boiler into its two compartments, B and C, and maintained in position therein by the spring-wire *e*, whereby the said lid is adapted to operate as a valve, substantially as herein shown and described.

ELON G. WOODWORTH.

Witnesses:

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