

(No Model.)

J. T. McCaffrey.

WASH BOILER.

No. 412,650.

Patented Oct. 8, 1889.

Fig. 1

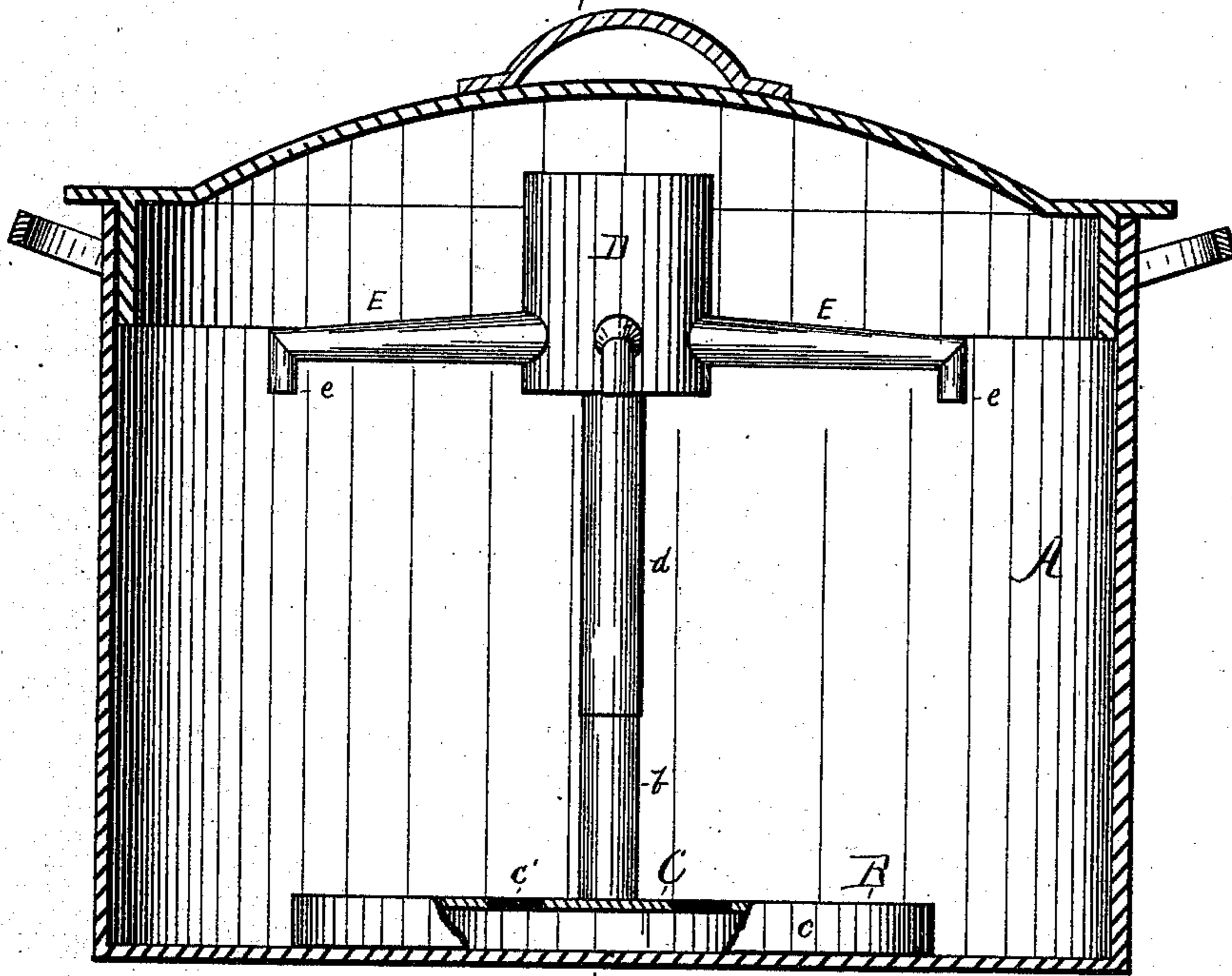
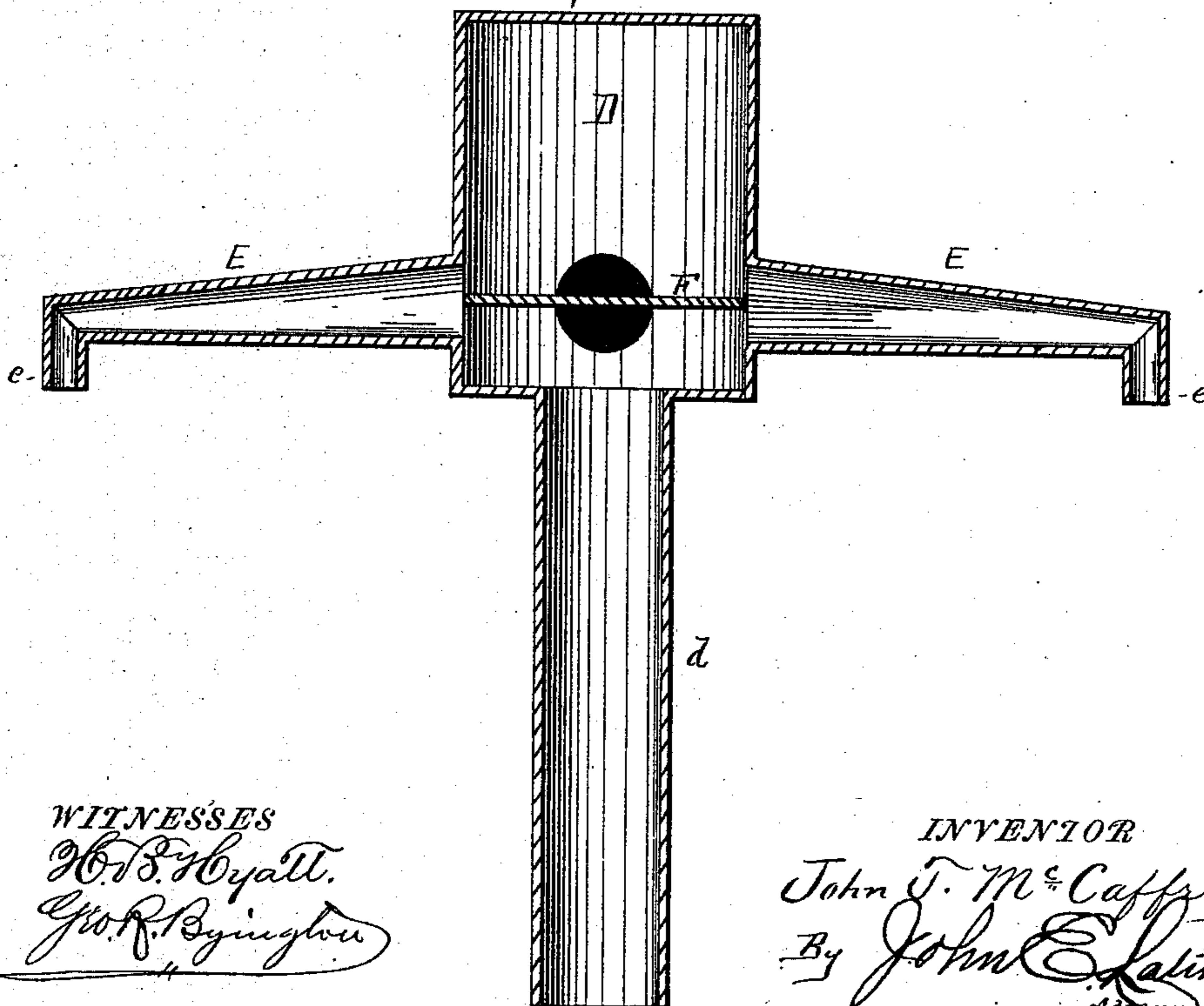


Fig. 2



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

JOHN T. McCAFFREY, OF RED BUD, ILLINOIS.

WASH-BOILER.

SPECIFICATION forming part of Letters Patent No. 412,650, dated October 8, 1889.

Application filed June 26, 1889. Serial No. 315,608. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. McCAFFREY, a citizen of the United States, residing at Red Bud, in the county of Randolph and State of Illinois, have invented certain new and useful Improvements in Wash-Boilers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to wash-boilers.

The object of my invention is to construct a cheap and durable wash-boiler; and to this end the nature of my invention consists of constructions and combinations, all as will hereinafter be set forth in the specification, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a vertical section of a boiler with my improvement, and Fig. 2 is a vertical section of the steam-chamber.

A is the boiler, in the bottom of which is placed my improvement.

B is the suction apparatus, having a base-plate C soldered to a band c, and having perforations c'.

D is a steam-chamber, having secured to its bottom a tube d, of sufficient diameter to fit over the tube b of the base-plate. From the sides of this steam-chamber D project tapering arms E, provided with nibs e, which point downward. The diameter of the tapering arms at their junction with the steam-chamber is less than the diameter of the tubes b and d, for the purpose of forcing the water upon the clothes with greater force. Upon the inside of the steam-chamber, and a short

distance above its bottom, is secured a supplemental bottom F, in such manner that it equally divides the outlet-holes leading to the tapering arms E to allow of the steam passing up into the steam-chamber.

The apparatus can be made of different sizes to fit different boilers, and the steam-chamber can also be made of any size.

The operation is as follows: The water ascending the tubes b and d strikes against the supplemental bottom F of the steam-chamber D, and is deflected in the direction of the arms E and escapes through said arms, while the steam which has passed to the steam-chamber acts upon the water as it is passing through the arms and forces it out and through the clothing with greater force.

Having described my invention, what I claim is—

1. In a wash-boiler, the combination of the perforated plate C, tubes b and d, steam-chamber D, provided with a supplemental bottom, and the tapering arms E, having nibs e, substantially as shown and described.

2. In a wash-boiler, the combination of a perforated plate, a steam-chamber having tapering arms, and a supplemental bottom dividing the passage to said arms, and tubes connecting said perforated plate and steam-chamber, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN T. McCAFFREY.

Witnesses:

PHILLIP KRAEMER,
GEO. W. RIESS.