

(No Model.)

W. P. BURKE.
WASHBOILER.

No. 503,262.

Patented Aug. 15, 1893.

Fig. 2.

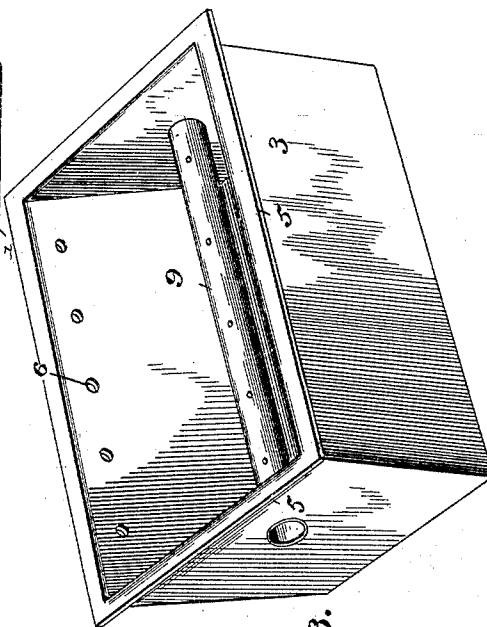
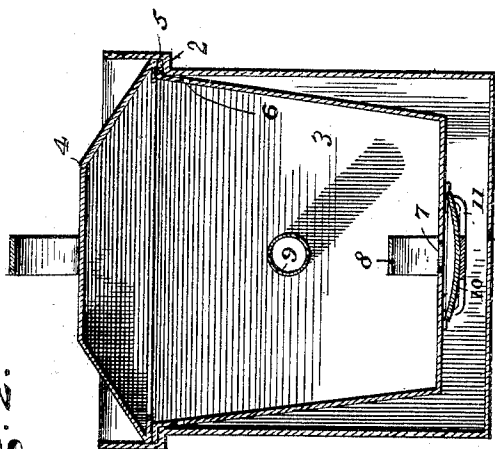


Fig. 3.

Fig. 1.

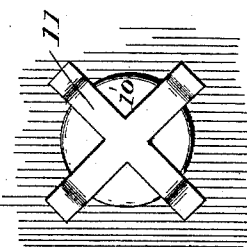
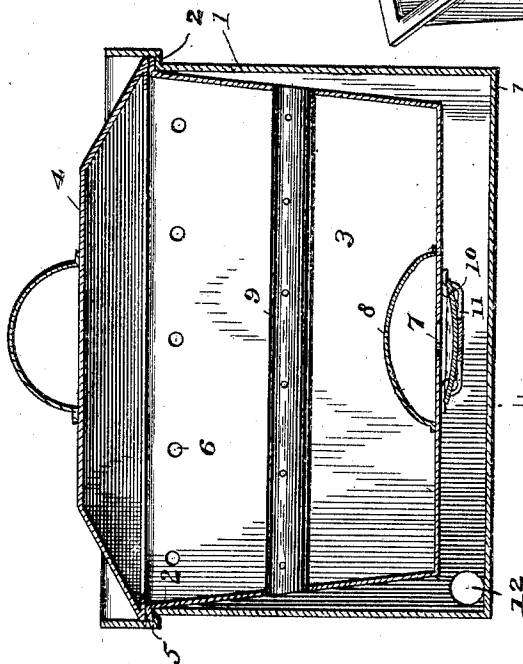


Fig. 4.

Witnesses

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WASHINGTON P. BURKE, OF QUITMAN, GEORGIA.

WASHBOILER.

SPECIFICATION forming part of Letters Patent No. 503,262, dated August 15, 1893.

Application filed January 26, 1893. Serial No. 459,797. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON P. BURKE, a citizen of the United States, residing at Quitman, in the county of Brooks and State of Georgia, have invented a new and useful Improvement in Washboilers, of which the following is a specification.

The invention relates to improvements in wash-boilers.

10 The object of the present invention is to improve the construction of wash boilers, and to provide a simple and inexpensive one in which clothes will be boiled and will have steam and suds forced through them, thereby removing dirt and stains effectively, without liability of wearing or otherwise injuring the clothes being washed.

20 The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings and pointed out in the claim hereto appended.

25 In the drawings—Figure 1 is a central vertical longitudinal sectional view of a wash boiler embodying the invention. Fig. 2 is a transverse sectional view of the same. Fig. 3 is a perspective view of the inner boiler. Fig. 4 is a detail view showing the valve.

30 Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a sheet metal wash boiler body provided on the inner faces of its sides and ends with an approximately L-shaped flange 2, adapted to support within the body a boiler 3 and a cover 4. The flange of the body 1 extends upward sufficiently to afford an overflow chamber or receptacle to prevent any overflow running down the sides of the body and cracking or otherwise injuring a stove, or heating apparatus.

45 The inner boiler is provided at its upper edges with outwardly extending flanges 5, adapted to rest upon the horizontal portion of the flange 2 of the body. The sides and ends of the inner boiler incline slightly inward and provide a surrounding space between the boiler and the body; and the opposite sides of the boiler are provided at the

top with perforations 6, arranged in a horizontal row. When water is heated the steam and boiling water are forced through the perforations at the top of the boiler and flow into the latter upon the clothes, and in being forced through the clothes removes the dirt and stains; and the water escapes at the bottom of the inner boiler through a valve 7, which is provided with an inner guard 8 to prevent it from becoming clogged with the clothes being washed. In order to force water through the clothes from the interior of them to make the operation of washing more effective, the boiler is provided with a longitudinally disposed horizontal tube 9, extending from one end of the boiler to the other, and secured to the ends of the boiler and communicating with the surrounding space. The ends of the horizontal tube are open; and the tube is provided with perforations, whereby steam and suds will be injected into the body of clothes being washed from the middle of the mass. The valve is an outwardly opening one, and consists of a central opening in the bottom of the boiler, a circular concavo-convex plate 10 and a supporting frame, or cage 11, which is provided with four arms arranged at right angles to one another and secured to the bottom of the boiler. The body 1 is provided at one side adjacent to the bottom with a discharge tube, or vent 12.

It will be seen that the wash boiler is simple, inexpensive and effective, that water is forced through the clothes and is injected into them both from the exterior and the center of the mass and that there is no liability of injuring the fabrics.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

55 In a wash boiler, the combination of a body provided at its upper edge with a supporting flange, an inner boiler having a flange to rest upon that of the body and provided at its bottom with a valve and at its top with

perforations and forming a space between it
and the body, a horizontal tube arranged at
the middle of the boiler and having its ends
secured to the same and communicating with
5 the space outside the boiler and provided
with perforations, and a cover, substantially
as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

WASHINGTON P. BURKE.

Witnesses:

E. P. S. DENMARK,
E. A. GROOVER.