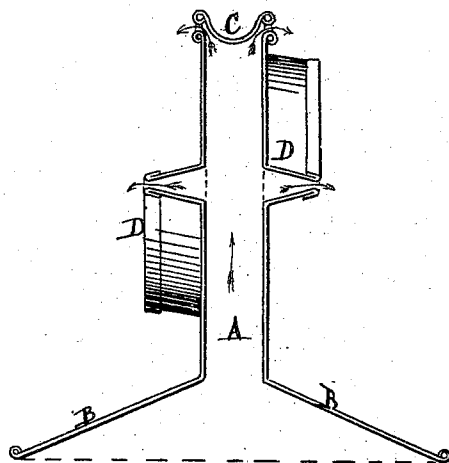
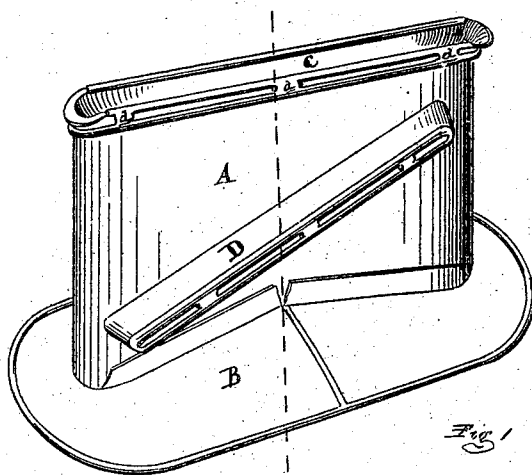


J. H. Siebcke,
Wash Boiler.

No. 113,582.

Patented Apr. 11, 1871.



ATTEST

H. F. Eberk,
W. Stewart

INVENTOR.

John H. Siebcke,
per Attorney:
J. B. Sprague

United States Patent Office.

JOHN H. SIEBCKE, OF ANN ARBOR, MICHIGAN.

Letters Patent No. 113,582, dated April 11, 1871.

IMPROVEMENT IN WASH-BOILERS.

The Schedule referred to in these Letters Patent and making part of the same.

To whom it may concern:

Be it known that I, JOHN H. SIEBCKE, of Ann Arbor, in the county of Washtenaw and State of Michigan, have invented a new and useful Improvement in Automatic Wash-Boilers; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which—

Figure 1 is a perspective view of my improvement, and

Figure 2 is a cross-section of the same.

Like letters indicate like parts in each figure.

This invention has for its object the construction of a device to be placed in the ordinary wash-boiler containing water, soap, and the clothes to be cleansed, and by the application of heat the hot suds will be caused to permeate and circulate through the fabrics, removing the dirt, which will be deposited as sediment in the bottom of the boiler; and

It consists in the novel and peculiar construction of the device for that purpose, operating as more fully hereinafter set forth.

In the drawing—

A represents a long narrow chamber, surrounded at its lower edge by a flaring oval flange, B, conforming in shape to and fitting easily in the ordinary wash-boiler, resting upon the flange of its pit-bottom.

In the top of the chamber A a concave cover, C, is inserted and secured thereto at intervals, as at *a*, in such a manner as to leave a narrow opening between the edges of the cover and top of the chamber.

In each side wall of the chamber is a narrow diagonal slot, which may be parallel to that in the opposite wall, or inclined in the opposite direction.

From the slot projects a spout, D, having a narrow orifice, as shown.

The area of the openings at the top of the chamber and ends of the spouts should be less than that

of the chamber, to insure the discharge of the water forced up the chamber through all the openings simultaneously.

The operation of the device is as follows:

Place in the bottom of the boiler a small quantity of bar soap, sliced thin. Then place the attachment in the boiler and add water to the depth of an inch or two over the flange B. Then lay in the fabrics to be cleansed, spread out, nearly to the top of the chamber A.

If heat be now applied to the boiler the water contained therein under the flange B will expand, filling the chamber A, and be forced out at the top and side openings upon and through the fabrics, permeating them to the bottom, and returning to the pit-bottom at and around the edges of the flange B, the suds carrying the dirt extracted in their passage through the fabrics, and which is deposited as sediment in the bottom of the boiler.

The circulation is kept up in the manner described, and rapidly completes the cleansing process, being continued as long as the cover of the boiler is kept on and closed.

After the fabrics are removed from the boiler they should be rinsed in clean water, to remove any adhering sediment, wrung, and hung up to dry.

To bleach them in washing a table-spoonful of powdered borax may be placed in the boiler, which bleaches them without injury.

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

The construction and arrangement of the vertical chamber A, provided with the cover C and diagonal spouts D, as described, in connection with the flange B, as and for the purpose set forth.

JOHN H. SIEBCKE.

Witnesses:

H. F. EBERTS,
M. STEWART.