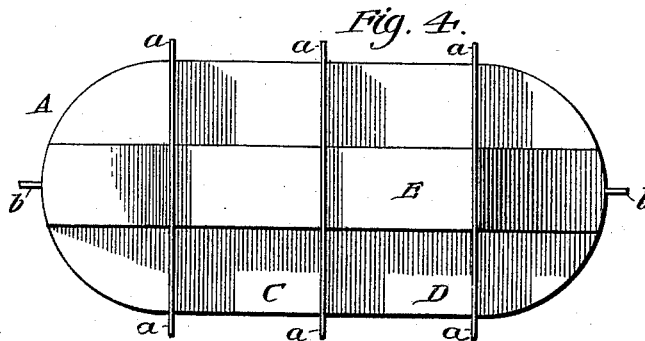
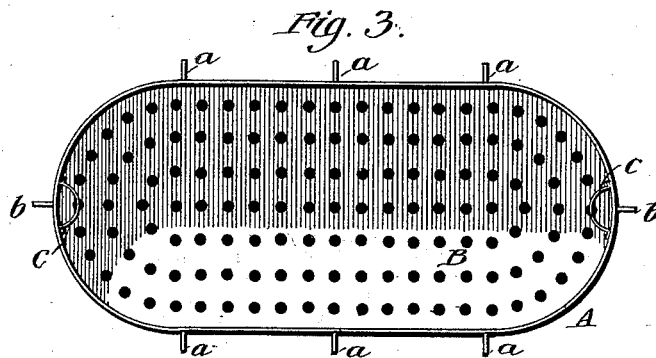
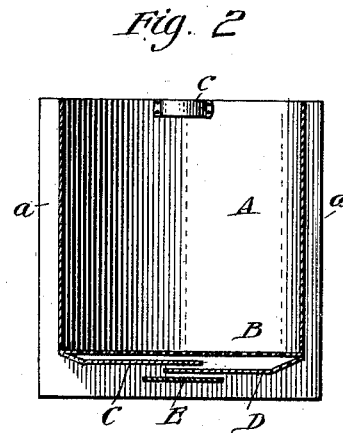
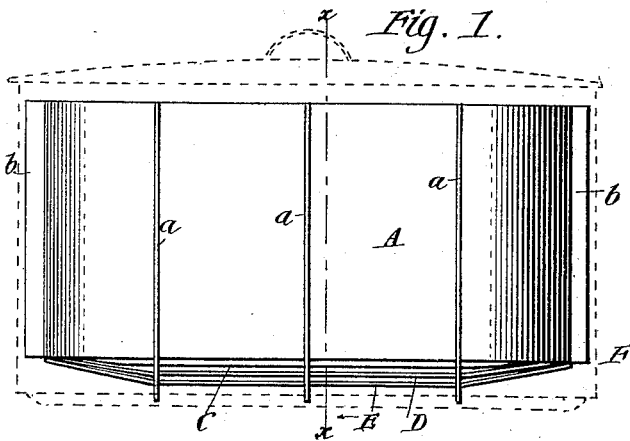


(No Model.)

L. I. BURBANK & C. NIPPERT.
WASH BOILER.

No. 422,114.

Patented Feb. 25, 1890.



WITNESSES:

J. Clark
C. Sedgwick

INVENTOR:

L. I. Burbank
C. Nippert
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

LYMAN I. BURBANK AND CHARLES NIPPERT, OF ASHLAND, WISCONSIN.

WASH-BOILER.

SPECIFICATION forming part of Letters Patent No. 422,114, dated February 25, 1890.

Application filed August 30, 1889. Serial No. 322,414. (No model.)

To all whom it may concern:

Be it known that we, LYMAN I. BURBANK and CHARLES NIPPERT, both of Ashland, in the county of Ashland and State of Wisconsin, have invented a new and Improved Wash-Boiler Attachment, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of our improved wash-boiler attachment in position in the wash-boiler, the latter being shown in dotted lines. Fig. 2 is a vertical transverse section of the same, taken on line *xx* of Fig. 1. Fig. 3 is a plan view, and Fig. 4 is an inverted plan view.

Similar letters of reference indicate corresponding parts in all the views.

The object of our invention is to construct an attachment to common wash-boilers by means of which a rapid circulation of water may be maintained throughout the entire contents of the boiler.

Our invention is an improvement in that class of wash-boilers which have a perforated false bottom with baffle-plates in the bottom which allow a circulation of water downwardly through the same, and which water, after being again heated, rises through side passages to the top of the boiler and descends again through the clothes.

Our invention consists in the peculiar construction of an inner receptacle designed to be set inside the boiler proper and having external ribs upon its side walls, which extend also under the bottom of said receptacle and serve the double purpose of spacing or holding centrally the receptacle within the boiler, so as to form the side passages for the rise of the hot-water currents, and of also holding the baffle-plates in proper relation to each other and sustaining the baffle-plates a sufficient distance above the bottom of the boiler proper, as hereinafter described.

The body A of the attachment is oblong and of substantially the same form as that of the wash-boiler to which it is to be applied. It is provided with a perforated bottom B. Underneath the bottom B are arranged two

baffle-plates C D a short distance from the bottom and overlapping but not touching each other. The said baffle-plates are attached to the bottom of the boiler around the edges thereof, and underneath the overlapping portions of the baffle-plates C D there is a baffle-plate E, which is near but not in contact with the lower baffle-plate D. To the sides of the body of the attachment A are attached ribs *a*, which extend underneath the bottom. Similar ribs *b* are attached to the ends of the body A. The said ribs serve to hold the attachment centrally in the boiler F, in which it is placed. The body A of the attachment is provided on the inner surface of its ends with handles *c*, by which it may be lifted from the boiler. As the water is heated in the boiler, steam is generated and forces the water up the sides of the attachment A, and when it reaches the top of the attachment it overflows into the interior thereof and passes downward by its own gravity through the clothes contained therein, the perforated bottom, and the spaces between the baffle-plates, carrying with it the dirt deposited in the bottom of the wash-boiler.

By means of our improvement clothes are rapidly and thoroughly washed without the necessity of rubbing or handling.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

A wash-boiler attachment consisting of a receptacle A, adapted to hold the clothes and fit within the boiler and having a false bottom with baffle-plates, in combination with a series of ribs or flanges *a*, extending vertically along the outer surface of the side walls, and extending also across the bottom to hold the baffle-plates in proper relation to each other and support them away from contact with the bottom of the boiler, substantially as shown and described.

LYMAN I. BURBANK.
CHARLES NIPPERT.

Witnesses:

J. C. MARS,
F. L. NOBLE.