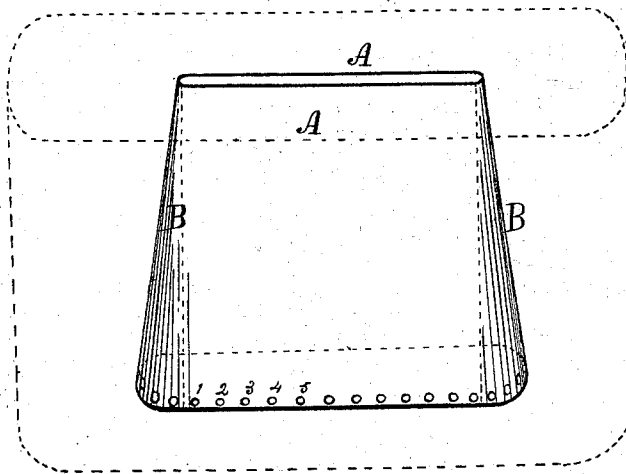


T. SHUMAN.

Attachments for Wash-Boilers.

No. 137,492.

Patented April 1, 1873.



Witnesses.

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UNITED STATES PATENT OFFICE.

THOMAS SHUMAN, OF CORNING, IOWA.

IMPROVEMENT IN ATTACHMENTS FOR WASH-BOILERS.

Specification forming part of Letters Patent No. **137,492**, dated April 1, 1873; application filed February 17, 1873.

To all whom it may concern:

Be it known that I, THOMAS SHUMAN, of Corning, in the county of Adams and State of Iowa, have invented an Attachment for Wash-Boilers, of which the following is a specification:

The object of my invention is to provide a simple and cheap device to be used in a wash-boiler to aid in the circulation of water and steam, for the purpose of washing clothing. It consists in forming a conductor, of conoidal form, complete in one piece, with a series of openings near its base, and an open top and bottom, designed and adapted to be placed and operated in a wash-boiler, in the manner hereinafter fully set forth.

My drawing is a perspective view illustrating the construction of my invention. It is composed of four separate pieces of sheet-tin joined together to make one complete piece. It may, however, be cast complete in one piece, and galvanized to prevent corrosion.

A A represent the sides. When made of sheet-tin they are of square or oblong form, and of equal size and form. B B are the end pieces, of triangular form, alike in size and shape, and corresponding in dimensions with the side pieces A A. The dotted lines indicate the seams where the pieces are joined together in a common way. The complete piece will be round at the ends, and spread at the bottom so that it will have a wide base upon which to stand erect in the center of a boiler. When boilers have their bottoms depressed in the center my attachment can be set in the sunken part. When the boiler-bottom is flat and even the attachment is placed in the center, and will perform its function equally well as when the boiler-bottom is depressed.

1 2 3 4 is a series of perforations. The size, form, and number of the holes may vary; but they must be near the lower edge.

To operate my attachment, simply place it in the center of a boiler, and put the articles to be washed around the attachment. This may be done before the soap-suds is put in, and before placing it over the fire; or it may be done after the boiler is over the fire, and the water or soap-suds boiling. The garments should be soaked, and the parts most soiled rubbed with soap before placing them in the boiler. When thus properly put over the fire the water will speedily boil within the conductor or attachment, and rise therein until it overflows at the top, all around, and over all the clothing. The boiler should be covered to retain the steam, which will condense at the top and unite with the current of water that overflows the articles, and percolates through them to the bottom, where it will again enter the conductor through the series of perforations 1 2 3 4. A continued circulation of water and steam is thus produced.

I am aware that conductors have been attached to the centers of devices of various forms, and placed in boilers to accomplish the same results contemplated by my invention.

Claim.

I claim as my invention—

The device A A B B, of conoidal form, complete in one piece, with a series of perforations, 1 2 3 4, near its base, substantially as described and for the purposes specified.

THOMAS SHUMAN.

Witnesses:

WM. C. CHUBB,
P. R. FLITCRAFT.