

N. L. RIGBY.
Improvement in Wash-Boilers.

No. 126,233.

Patented April 30, 1872.

Fig. 1.

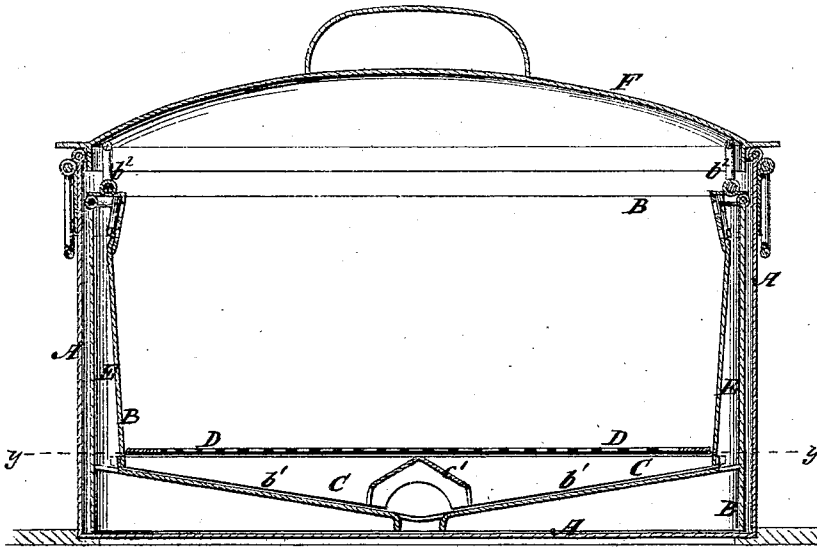


Fig. 2.

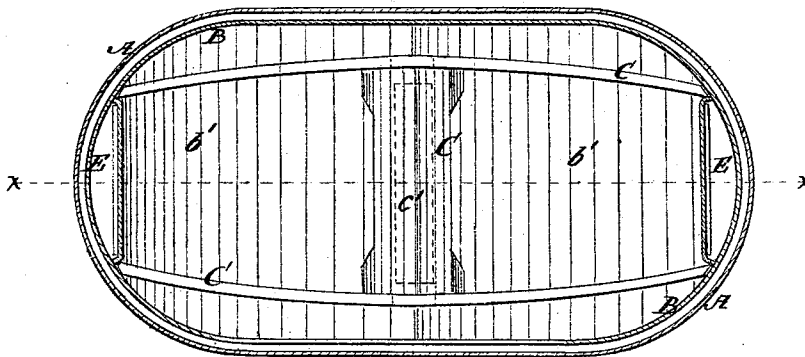
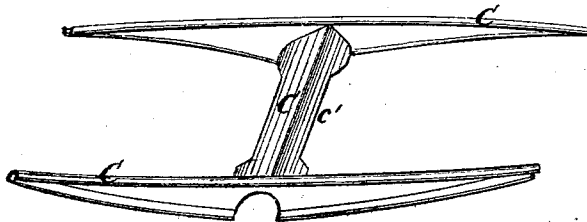


Fig. 3.



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UNITED STATES PATENT OFFICE.

NICHOLAS L. RIGBY, OF CHETOPAH, KANSAS.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 126,233, dated April 30, 1872.

Specification describing a new and useful Improvement in Wash-Boilers, invented by NICHOLAS L. RIGBY, of Chetopah, in the county of Labette and State of Kansas.

Figure 1 is a detail vertical longitudinal section of my improved wash-boiler, taken through the line *x x*, Fig. 2. Fig. 2 is a detail horizontal section of the same, taken through the line *y y*, Fig. 2. Fig. 3 is a detail perspective view of the bridge.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish an improved wash-boiler in which the washing shall be done by water forced from the lower part of the boiler upon the upper parts of the clothes by water and steam pressure; and it consists in the construction and combination of various parts of the boiler, as hereinafter more fully described.

A represents an ordinary wash-boiler. B is a boiler fitting loosely into the boiler A. The bottom *b*¹ of the boiler B inclines downward from its ends toward its center. In the middle part of the bottom *b*¹ where the inclines meet is formed a transverse slot. The edges of the inclines *b*¹ at the sides of the said slot are turned downward to form lips, as shown in the drawing. C is a bridge or frame, to the middle part of which is attached a curved or angular arch, *c*¹, to cover the slot in the center of the bottom *b*¹. The lower side edges of the frame or bridge C are inclined to correspond with the inclination of the bottom *b*¹. The upper side of the bridge or frame C is made level to support the grate or screen D, upon which the clothes are placed to be washed, and which is made of such a material as will not rust. In the ends of the boiler B are formed spaces, chambers, or conductors E, which open through the ends of the inclined bottom *b*¹ in

to the space below said bottom, as shown in Fig. 1. The chambers E gradually taper as they approach the top of the boiler B, and at their tops are made somewhat flaring, and are perforated with numerous holes through which the water, forced up by the steam and water pressure in the space below the inclined bottom *b*¹, is discharged upon the clothes in the boiler B. The water discharged from the chambers E percolates through the clothes, and flows back into the space beneath the inclined bottom *b*¹ through the slot in the lowest or middle part of said bottom *b*. This circulation is kept up whether any clothes be in the boiler or not, so that the boiler may be used with equal facility for washing dishes. The boiler B is provided with handles *b*², so that it may be readily raised with its contents from the boiler A. The boiler B does not extend quite to the top of the boiler A, so that it may not interfere with the cover F of said boiler A.

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

1. The bridge or frame C¹, constructed substantially as herein shown and described, in combination with the inclined and slotted bottom *b*¹ of the inner boiler B, as and for the purpose set forth.

2. An improved washing-boiler, formed by the combination of the outer boiler A, inner boiler B made with an inclined slotted bottom, *b*¹, bridge or frame C, grate or screen D, conductors or chambers E, and cover F, with each other, substantially as herein shown and described, and for the purposes set forth.

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