

(No Model.)

C. C. P. NOURSE.
WASH BOILER.

No. 471,565.

Patented Mar. 29, 1892.

Fig. 1.

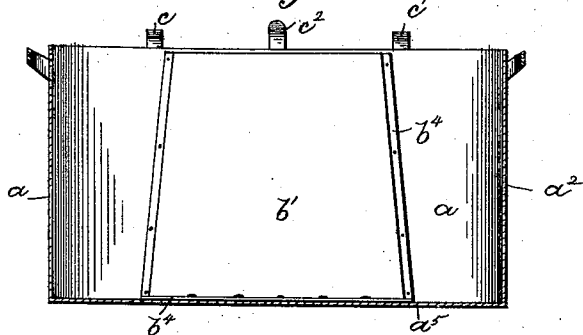


Fig. 2.

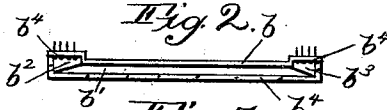


Fig. 3.

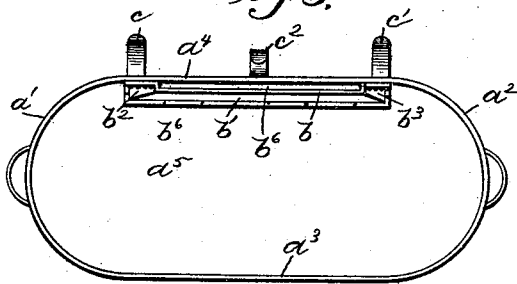
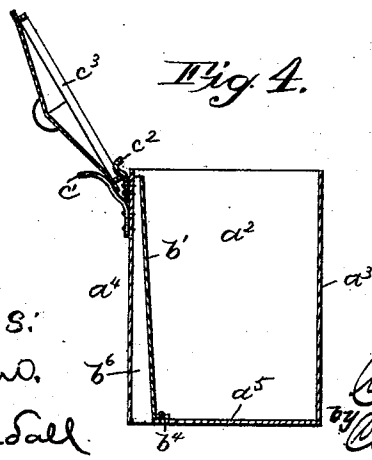


Fig. 4.



Witnesses:
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Asso. Attys.

UNITED STATES PATENT OFFICE.

CHARLES C. P. NOURSE, OF SOMERVILLE, MASSACHUSETTS.

WASH-BOILER.

SPECIFICATION forming part of Letters Patent No. 471,565, dated March 29, 1892.

Application filed January 13, 1890. Serial No. 336,767. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. P. NOURSE, a citizen of the United States, residing at Somerville, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Clothes-Boilers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

Referring to the drawings, Figure 1 is a view in vertical central section of a clothes-boiler from end to end. Fig. 2 is a view in plan of the form of box before it is attached to the side of the boiler. Fig. 3 is a view in plan of the boiler, the cover being removed. Fig. 4 is a view in cross-section from side to side representing the cover held removed from the boiler by the cover arms or supports.

The boiler *a* is of ordinary form—that is, it is long from end to end and narrow. It has the usual rounded ends *a'* *a''*, the sides *a'''* *a''''*, which are parallel, and the bottom *a''''''*, which is preferably flat. To the inner surface of the side *a''''* there is secured a boxing *b*. This boxing, preferably, is made of one piece of tin or other suitable sheet metal bent or shaped to provide the large flat section *b'* and the end sections *b''* *b'''*, preferably from each of which and from the lower edge of the section *b'* a short flange *b''''* extends. The boxing may be shaped to provide a passage of the same width and length from end to end throughout, or it may be shaped, as shown in the figure, to provide a passage which increases in length from end to end from the top downward. The bottom *a''''''* is cut out at *b''''''*, and this establishes a continuous passage *b''''''* from the upper part of the

boiler along one side of the same very nearly its entire length through the bottom of the boiler into the stove. By arranging the passage upon the side of the boiler, as indicated, very little of the boiler-space is taken, so that its capacity is not materially affected, and by making it somewhat long from end to end steam from all portions of the upper part of the boiler can readily reach the opening. By making it upon the inside of the boiler a direct connection is always established with the stove. I have also arranged upon the boiler as a cover-support the two arms *c* *c'*, which are curved outwardly from the upper edge of one side, and the arm *c''*, which is inside of the curved arms *c* *c'*. The cover is placed to rest upon the arms *c* *c'*, and the arm *c''* prevents it from tipping backward. It will be readily understood that when the cover is taken from the boiler and turned back onto the outer supporting-arms *c* and *c'* the intermediate supporting-arm *c''* will engage the flange *c'''* of the cover and hold the same in the position shown in Fig. 3.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

A clothes-boiler provided at one side with the supports *c* and *c'* and the support *c''*, arranged between the said supports *c* and *c'* and inside of the supporting-arms thereof, whereby the cover of the boiler may be sustained when removed from the said boiler, substantially as set forth.

CHARLES C. P. NOURSE.

In presence of—

F. F. RAYMOND, 2d,
J. M. DOLAN.