

S. Fisk.

Wash Boiler.

No. 89,572.

Fig. 1.

Patented May 4, 1869.

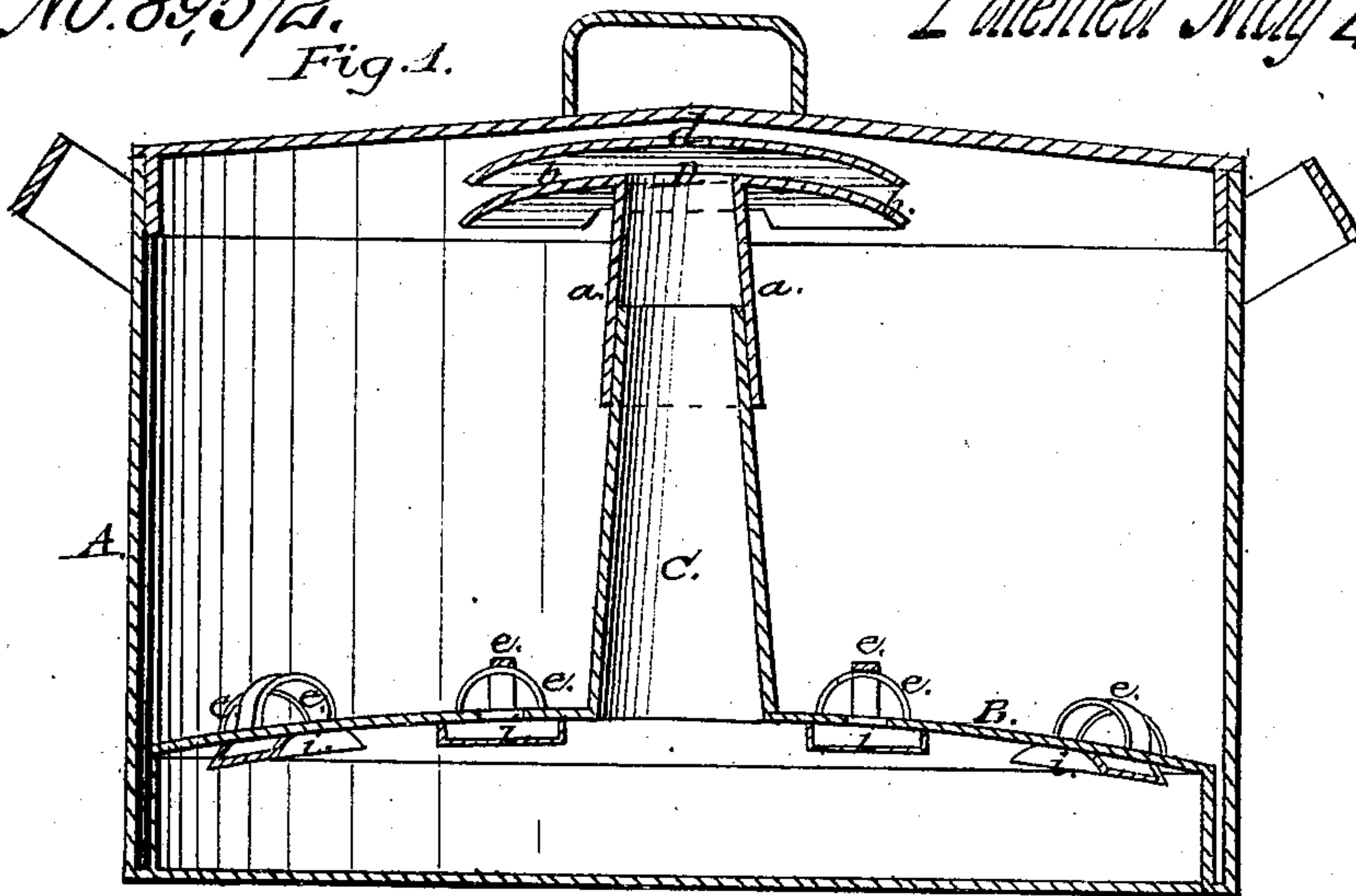


Fig. 2.

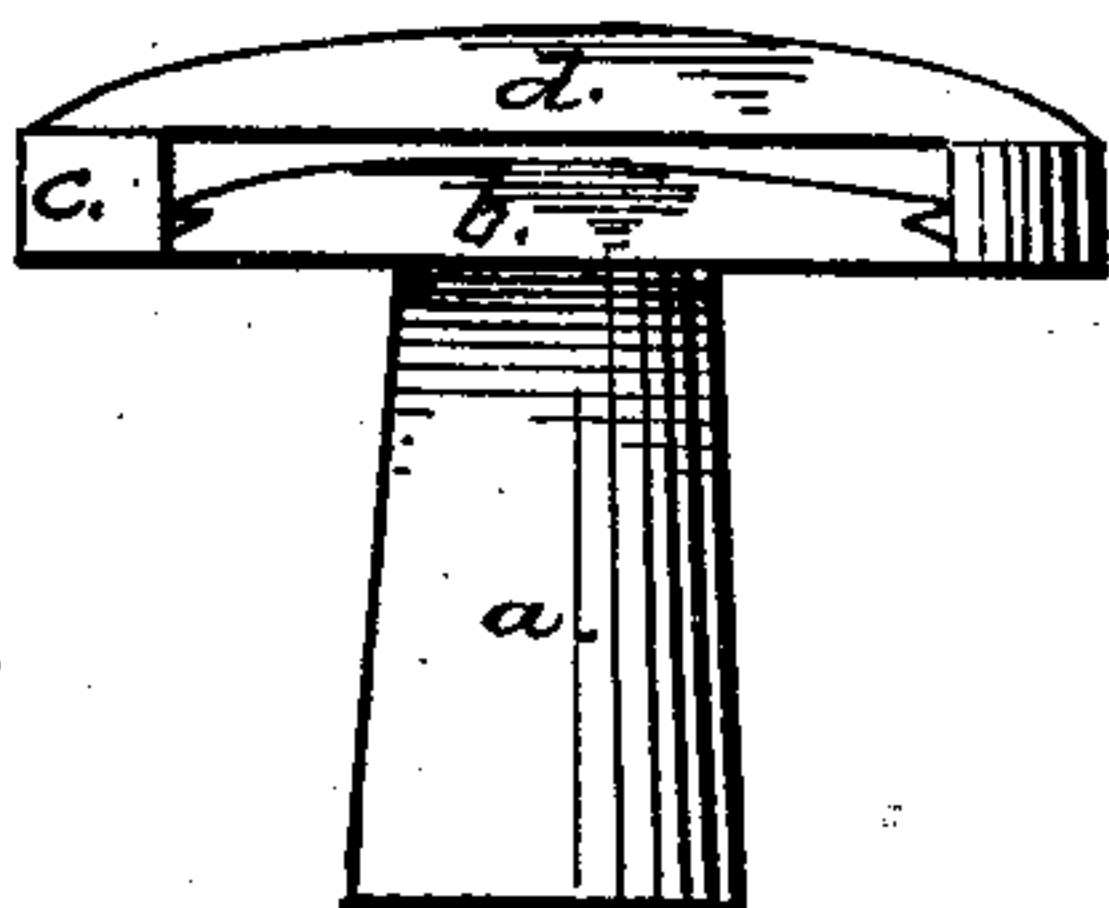
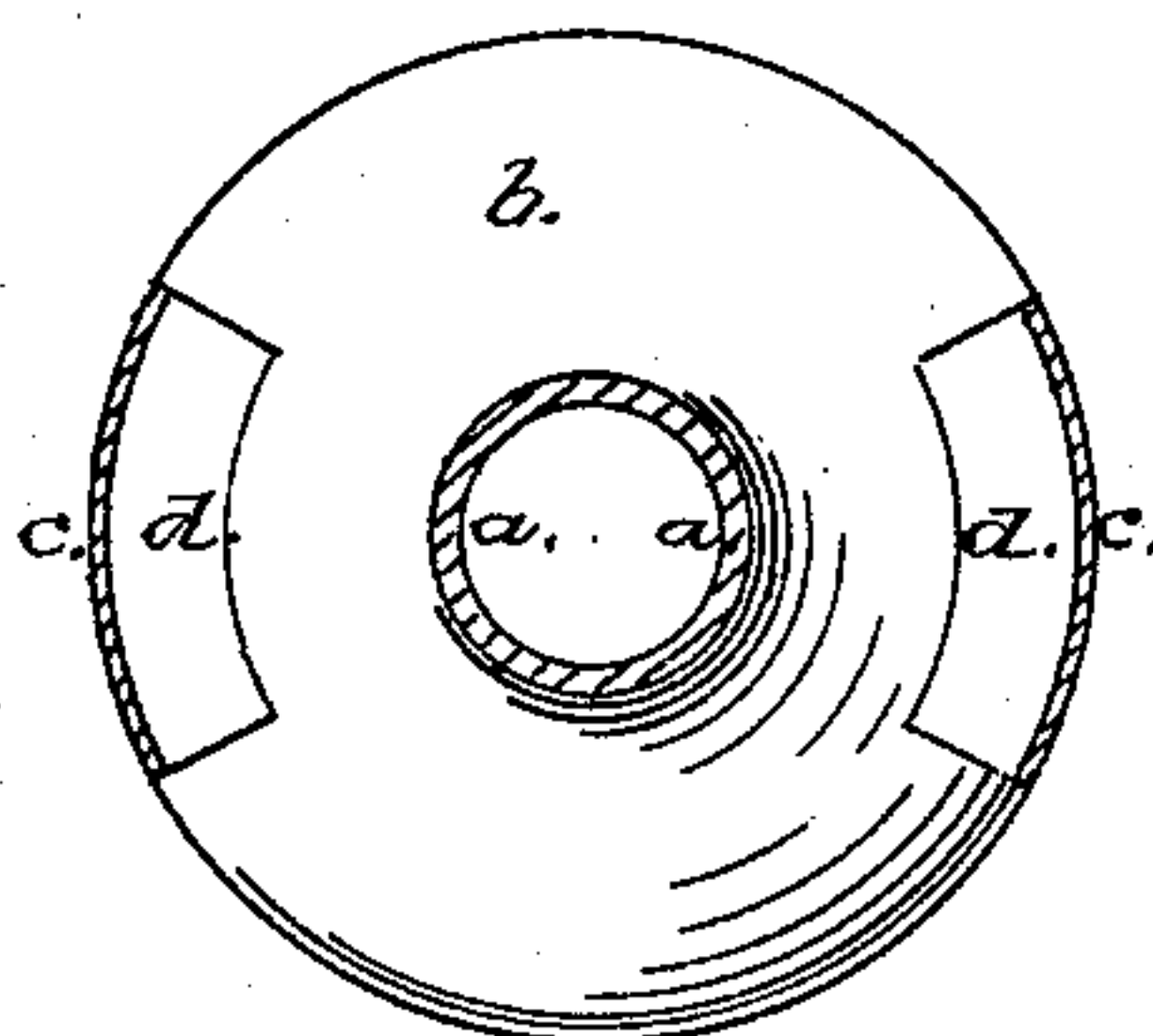


Fig. 3.



Witnesses:
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per
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United States Patent Office.

STEPHEN FISK, OF WINCHESTER, INDIANA.

Letters Patent No. 89,572, dated May 4, 1869.

WASH-BOILER.

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

To all whom it may concern :

Be it known that I, STEPHEN FISK, of Winchester, in the county of Randolph, and in the State of Indiana, have invented certain new and useful Improvements in Attachment for Clothes-Boilers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and general arrangement of a "clothes-washer," which will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a longitudinal vertical section;

Figure 2 is a side view of the top cap; and

Figure 3 is a bottom view of the same.

A represents a common wash-boiler, of any size and form desired, in which is placed a false bottom, B, of oval shape, as shown in fig. 1.

From the centre of the bottom, B, a tapering tube C, leads upward a suitable height, and is, at its upper end, provided with a cap, D.

This cap consists of a socket, *a*, made so as to fit over the upper end of the tube C; and at the upper edge of the socket is a circular flange, *b*, curved in the shape of an inverted cup.

This flange is provided with two slots, as seen in fig. 3; and at the edges of the flange, covering the outer opening of said slots, is placed a rim, *c*, on the top of which rests the cap-piece *d*.

The cap D is put on the tube C in such a manner that the rims *c c* will face the sides of the boiler, and not the ends, thus preventing the water, as it is forced out through the tube, from splashing over the sides; and the water will be distributed more evenly over the clothes than in any clothes-washer now in use, as, at the sides of the boiler, the water, steam, &c., is forced out downward, while at the ends it comes outward.

The oval bottom B, is provided with six holes, covered, on the upper side, with curved bars, *e e*, raised above them, so as to prevent the clothes, when placed on the bottom, B, to clog up the holes, and thus prevent the water from returning to the place between the two bottoms.

The holes in the bottom are, on the under side, provided with a shield or cap, *i*, which prevents the water from being forced up through said holes, and leaves it only one passage, namely, the tube C.

The object of having such a small number of holes in the bottom, B, is, that, as the power of steam is graduated in proportion to the number of square inches it acts upon, the oval bottom having only a few openings presents a larger number of square inches for the steam to act upon than the flat bottom commonly used having a large number of perforations.

When the holes are protected on the upper side by the curved and raised bars *e e*, six holes—the number I use—will discharge as much water as a great number of holes not thus protected, and the shields or caps *i i* will still more increase the number of square inches for the steam to act upon, consequently increasing the power gained.

The oval bottom, B, with its tube and cap, may be used in any common wash-boiler, as they are made loose, and can be put in or taken out at pleasure.

Having thus fully described my invention,

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

The arrangement of the oval, perforated bottom B, curved bars *e e*, shields *i i*, tapering tube C, and cap D, with its slotted flange *b* and rims *c c*, all substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 25th day of November, 1868.

STEPHEN FISK.

Witnesses:

LEOPOLD EVERT,
J. H. HURDLE.