

P. READ.
Clothes-Washers.

No. 133 485.

Patented Nov. 26, 1872.

Fig. 1.

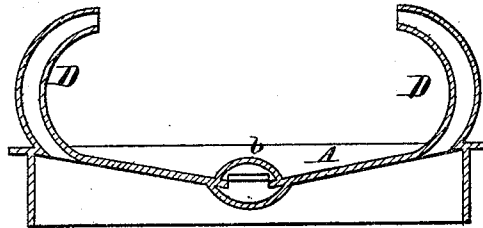


Fig. 2

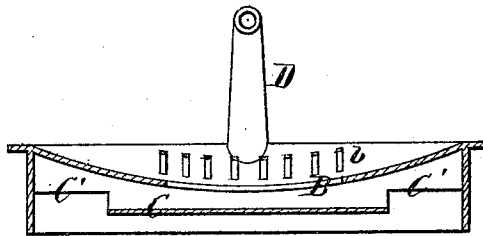
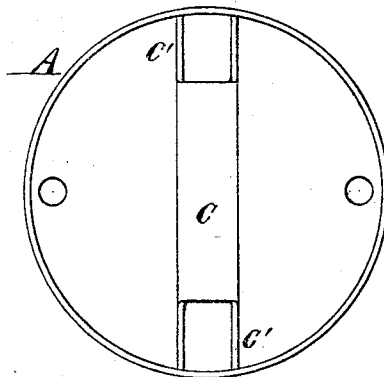


Fig. 3.



Witnesses:
E. A. Bates
J. C. Upham,

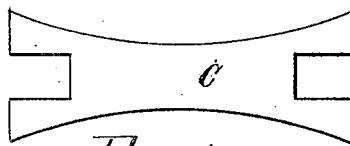


Fig. 4.

Inventor:
Perry Read,
Charles H. Smith,
attys

UNITED STATES PATENT OFFICE.

PERRY READ, OF HINESBURG, VERMONT.

IMPROVEMENT IN CLOTHES-WASHERS.

Specification forming part of Letters Patent No. 133,485, dated November 26, 1872.

To all whom it may concern:

Be it known that I, PERRY READ, of Hinesburg, in the county of Chittenden and State of Vermont, have invented a new and valuable Improvement in Clothes-Washers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a longitudinal section of my invention. Fig. 2 is a transverse section of the same. Fig. 3 is a bottom view of the same, and Fig. 4 is a detail.

This invention has relation to an attachment to be placed in an ordinary wash-boiler; and the novelty consists in providing the central opening, through which the water descends, with raised or arched guards, to elevate the clothes a proper distance above said opening; and it also consists in the construction and arrangement of the guard-plate, which lies below said opening, and is designed to prevent the water from rising except through the steam-tubes; all substantially as hereinafter more fully described.

Referring to the accompanying drawing, A designates the base of a clothes-washer, which may be either of a cylindrical or elliptical form, and is depressed toward the center or made concave. At the center of said base is formed a long opening, B, to let the water descend. This opening is traversed by arched guards *b*, so formed to retain the clothes above

the opening B, and thus provide a larger space underneath them for the passage or circulation of the water. C designates a guard, to prevent the water from rising through the opening B, and thus interfering with the cleansing process. This guard is produced by cutting a sheet of metal to the form shown in Fig. 4, then bending it crosswise to a concave form, and, finally, soldering the edges to the under side of the base-plate A. The flanges C' prevent the water, which circulates under the plate A from rushing toward the opening B through the ends of the guard C. D designates bent tubes rising from the plate A on opposite sides of the opening B, and converging toward each other at their upper ends. These tubes are designed to conduct the steam and boiling water above the clothes, and to cause the latter to be thrown over the clothes in the form of spray.

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

The improved clothes-washer, consisting of the base A having the central opening B spanned by arched guards *b*, the concave water-guard C having flanges C', and the bent or converging steam-tubes D, all combined and arranged substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PERRY READ.

Witnesses:

ELMER BEECHER,
JOHN H. ALLEN.