

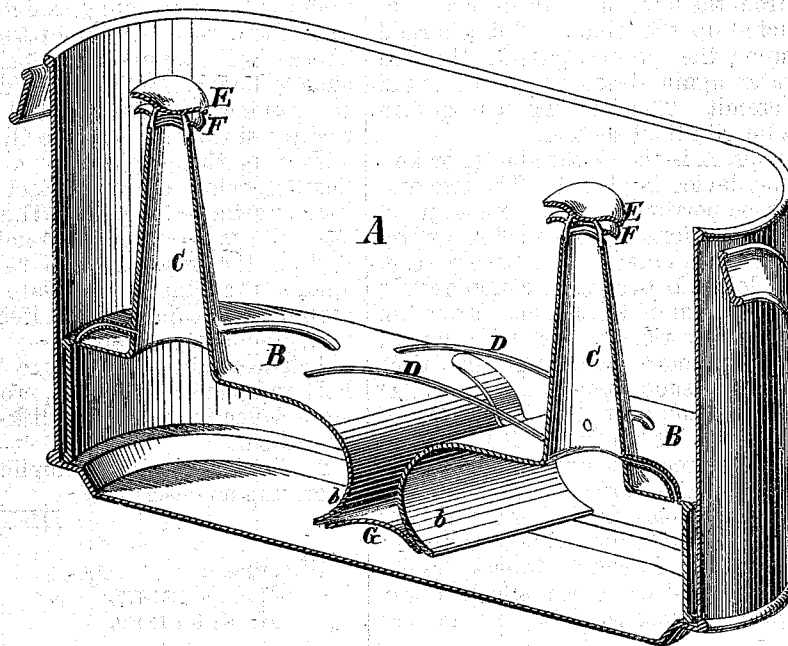
[117.]

HENRY W. PELL.

Improvement in Clothes Washers.

No. 119,399.

Patented Sep. 26, 1871.



ATTEST

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UNITED STATES PATENT OFFICE.

HENRY W. PELL, OF ROME, NEW YORK.

IMPROVEMENT IN CLOTHES-WASHERS.

Specification forming part of Letters Patent No. 119,399, dated September 26, 1871.

To all whom it may concern:

Be it known that I, HENRY W. PELL, of Rome, in the county of Oneida and State of New York, have invented certain Improvements in Clothes-Washers, of which the following is a specification:

The device is intended to be placed in clothes-boilers, and the parts are so arranged that a constant stream from the lower stratum of hot water will be conducted up the pipes and discharged in a shower upon the clothes, passing through which the water again descends to the lower to repeat the circuit. The drawing represents in perspective a longitudinal section.

In the drawing, A is the clothes-boiler or kettle in which the device is placed. The size and shape of the base portion B B will depend upon the form and proportions of the vessel A, for use in which it is to be adapted. The base portion consists of two lobes, B B, forming canopies over portions of the bottom of the boiler. From the roof of each canopy rises a vertical tube, C, crowned by one or more deflecting-disks, E F, which discharge the suds upon the clothes. D D are wires which support the clothes out of contact with the top of the lobes B B, so that the suds may have free downward course after percolating through the clothes. The walls *b b* of the respective lobes are flexible, and are separated by a space down which the suds passes to the deflecting-plate G, which directs the descending suds in two streams beneath the lower edges of the plates *b b* into the lobular chambers B B.

The operation is as follows: The proper amount of suds and clothes being in the boiler and the contents brought to a boil, the boiling suds flow up the tubes C C, and are distributed over the clothes by the deflectors E or E F, as the case may be, as I propose to use either one or two, at discretion. The suds descend from these deflectors in a shower over the upper stratum of clothes, and thence percolate through the whole mass until they reach the top of the chambers B B. The wires D D support the clothes and permit the suds to flow freely toward and descend through the gap between the walls *b b*. At the bottom of the gap is the curved plate G, which directs the suds beneath the plates *b b*. These plates are flexible, being in near contact with the curb B', but not attached thereto. This flexibility causes the plate to open when the suds descend against it from the gap, but also causes it to batter against the edge of the plate G when the suds attempt to escape in that direction.

I claim as my invention—

1. The combination of the lobular chambers B B and puffer-pipes C C, crowned with one or more deflecting-plates or disks, substantially as described.

2. The flexible plate *b*, duplicated or otherwise, operating as described.

HENRY W. PELL.

Witnesses:

M. C. PURDEY,
H. M. GLINES.

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