

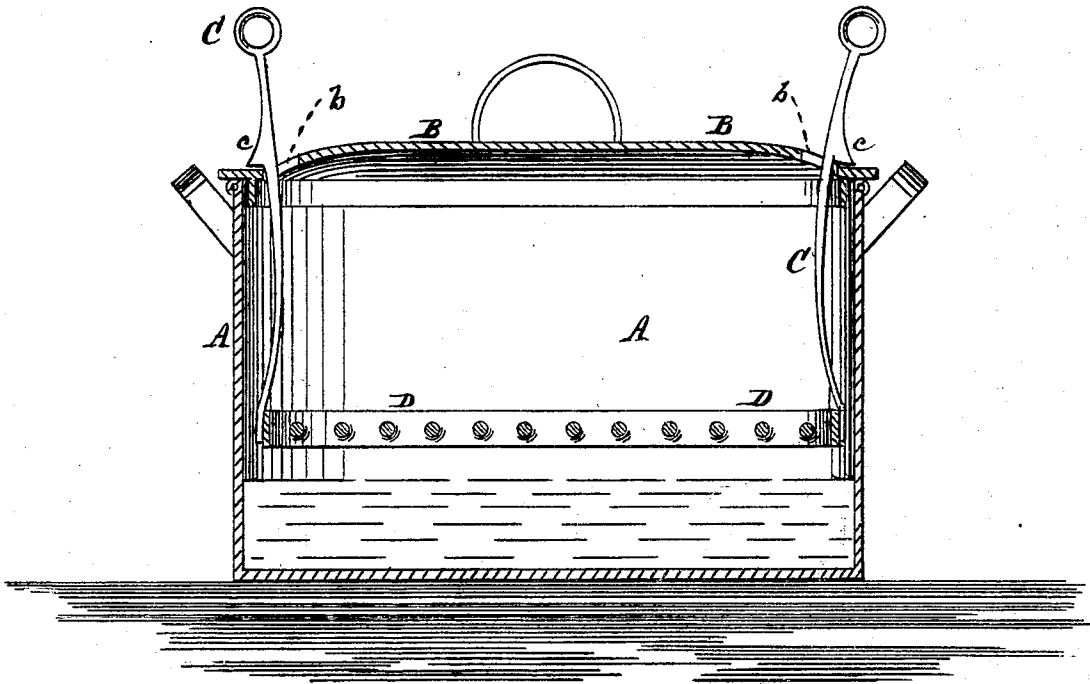
[51.]

WILLIAM JAMES DODGE.

Improved Wash Boilers.

No. 119,510.

Patented Oct. 3, 1871.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM JAMES DODGE, OF NEW YORK, N. Y.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 119,510, dated October 3, 1871.

To all whom it may concern:

Be it known that I, WILLIAM JAMES DODGE, of the city of New York, in the State of New York, have invented certain Improvements in Wash-Boilers, of which the following is a specification:

My invention consists of a platform or rack of wood or metal, conformed to the shape and introduced into any wash-boiler, with metal attachments at each end, passing through slots in the cover, for raising and suspending the rack above the water in the boiler, so that the steam will operate in disintegrating and dissolving the dirt from the clothes; and, by simply springing the catches, the rack with the clothes, by their own weight, descend to the bottom of the boiler in the water and are boiled or rinsed through the boiling suds, at the pleasure of the person washing. The clothes resting against the sides and ends of the boiler furnish a packing sufficiently tight to get a powerful effect from the steam, and the agitation of the water below removes all traces of dirt very rapidly, and the operation requires scarcely any labor.

The advantages of this improvement are its cheapness, its ease or freedom from labor, and that it does its work efficiently.

The rack or platform can be made of one piece perforated with holes, or with a hoop running around the outside and rods or slats fastened transversely to it for the clothes to rest upon.

The drawing is a central vertical section of an ordinary boiler with my improvement as seen when suspended, in which—

A A represents the boiler; B B, the cover; *b b*, slots in cover; C C, spring attachment for rais-

ing and lowering rack; *c c*, catches to hold rack suspended; D D, rack or platform on which the clothes rest.

To use this improvement the clothes are first soaked in the ordinary way and the dirty parts properly soaped, the boiler being placed upon the fire with water in the same. The rack is lowered to the bottom and as many clothes placed upon the same as will admit it to be raised above the water with the cover on. After the water has nearly arrived at the boiling-point, raise the rack by the spring-bars until the catches take over the wire edge of the cover and boiler and hold the rack suspended. As often as desired the rack can be lowered into the water to boil, or by raising the same up and down, without letting the catches take, the clothes can be soured in the boiling suds. When done, the cover can be removed, the slots in the same being large enough to let the spring-bars slip through. Then raise the rack, by the spring-bars, with the clothes out of the boiler and deposit the same in the sudsing water, relieve the rack from the clothes, put the same in the boiler with more clothes, and proceed with the washing.

What I claim as my invention and improvement in wash-boilers is—

The arrangement of the rack D, in combination with the uprights or handles C, with catches *c*, cover B B with openings *b b*, and boiler A, as constructed and shown, and for the purpose herein described.

WILLIAM JAMES DODGE.

Witnesses:

F. A. MORLEY,
A. ALLGEAR.