

W. B. RODECKER & F. C. PIFER.

BOILER WASHING-MACHINES.

No. 172,502.

Patented Jan. 18, 1876.

fig: 1.

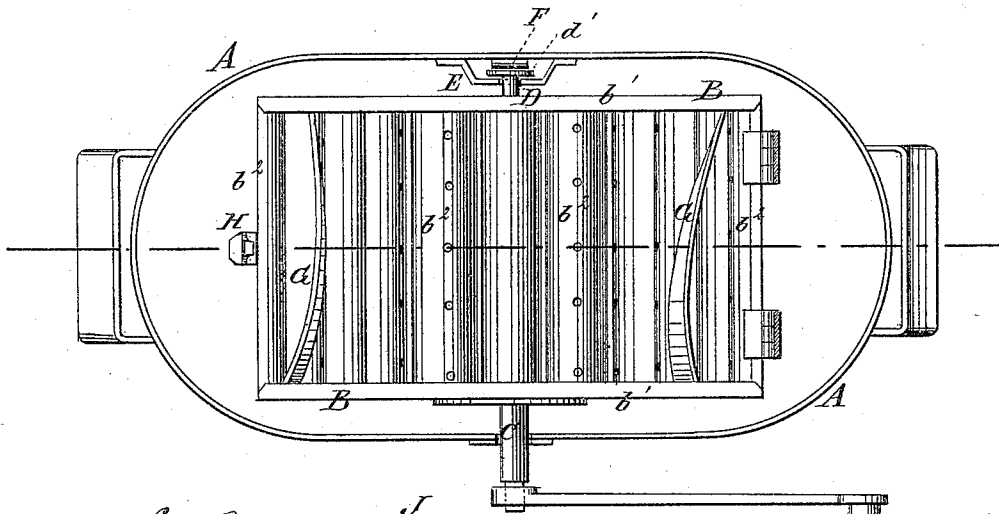


fig: 2.

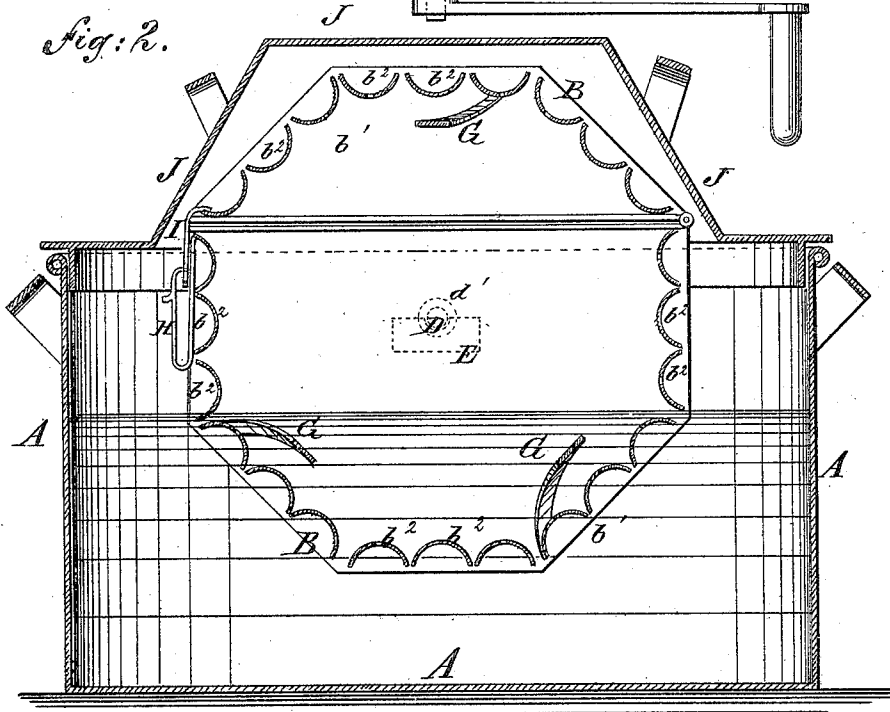
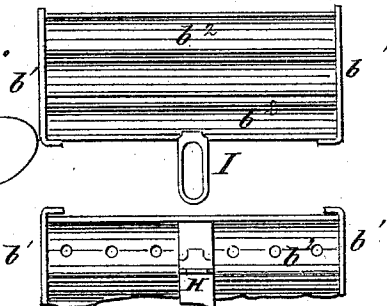


fig: 3.



WITNESSES:

Chas. Nida
Alex F. Roberts

INVENTORS

W. B. Rodecker
F. C. Pifer

BY

Munnell
ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM B. RODECKER AND FRANK C. PIFER, OF EUREKA, ILLINOIS.

IMPROVEMENT IN BOILER WASHING-MACHINES.

Specification forming part of Letters Patent No. **172,502**, dated January 18, 1876; application filed November 13, 1875.

To all whom it may concern:

Be it known that we, WILLIAM B. RODECKER and FRANK C. PIFER, of Eureka, in the county of Woodford and State of Illinois, have invented a new and useful Improvement in Steam Washing-Machines, of which the following is a specification:

Figure 1 is a top view of our improved machine, the cover of the boiler and the hinged part of the cylinder being removed. Fig. 2 is a vertical section of the same taken through the line *x x*, Fig. 1. Fig. 3 is a detail view of the hinged catch for fastening the hinged part of the cylinder.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved steam washing-machine simple in construction, convenient in use, effective in operation, and inexpensive in manufacture, and which may be applied to an ordinary wash-boiler.

The invention relates to an improvement in steam washing-machines; and consists in the construction and arrangement of parts, whereby the clothes are turned in the cylinder and prevented from becoming packed too closely against the sides thereof; also, whereby the cylinder is held in the middle of the boiler, as hereinafter described.

A represents an ordinary wash-boiler. B is the washing-cylinder, which is formed by connecting two octagonal plates, *b*¹, at their edges, by semi-cylindrical cross-plates *b*², three or more to each side of said plates *b*¹. The cross-plates *b*² are arranged with their convex sides inward and their concave sides outward, and some or all of them have a row of holes formed through their middle parts. To the center of one of the plates *b*¹ is attached a

gudgeon, C, which works in a notch in the edge of the boiler A. The projecting end of the gudgeon C is squared off to receive the crank by which the cylinder B is rotated. To the center of the other plate, *b*¹, is attached a short gudgeon, D, which has a disk or head, *d'*, attached to or formed upon its end. The gudgeon D works in a notch in a bracket, E, attached to the side of the boiler A, and is held in place, keeping the cylinder B in the middle part of the said boiler A by a spring, F, attached to the boiler, and which presses against the disk or head *d'* of the gudgeon D. G are bars passing diagonally across one or more of the cross-plates *b*², and which are curved to stand up from the said plates *b*² to keep the clothes from pressing too closely against them, and to turn the said clothes as the cylinder B is rotated. The cylinder B is divided into two unequal parts, which are hinged to each other at one end, and are connected at the other end by a spring-catch, H. J is the cover of the boiler.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination of the diagonal curved bars G with the washing-cylinder B, substantially as herein shown and described.

2. The spring F, notched bracket or bearing E attached to the inner side of the boiler A, and the gudgeon or journal D of the cylinder, combined and arranged as shown and described, to operate as specified.

WILLIAM B. RODECKER.
FRANK C. PIFER.

Witnesses:

B. D. MEEK,
J. W. FINLEY.