

H. R. ROBBINS.
Steam Fountain-Washers.

No. 157,421.

Patented Dec. 1, 1874.

Fig. 1.

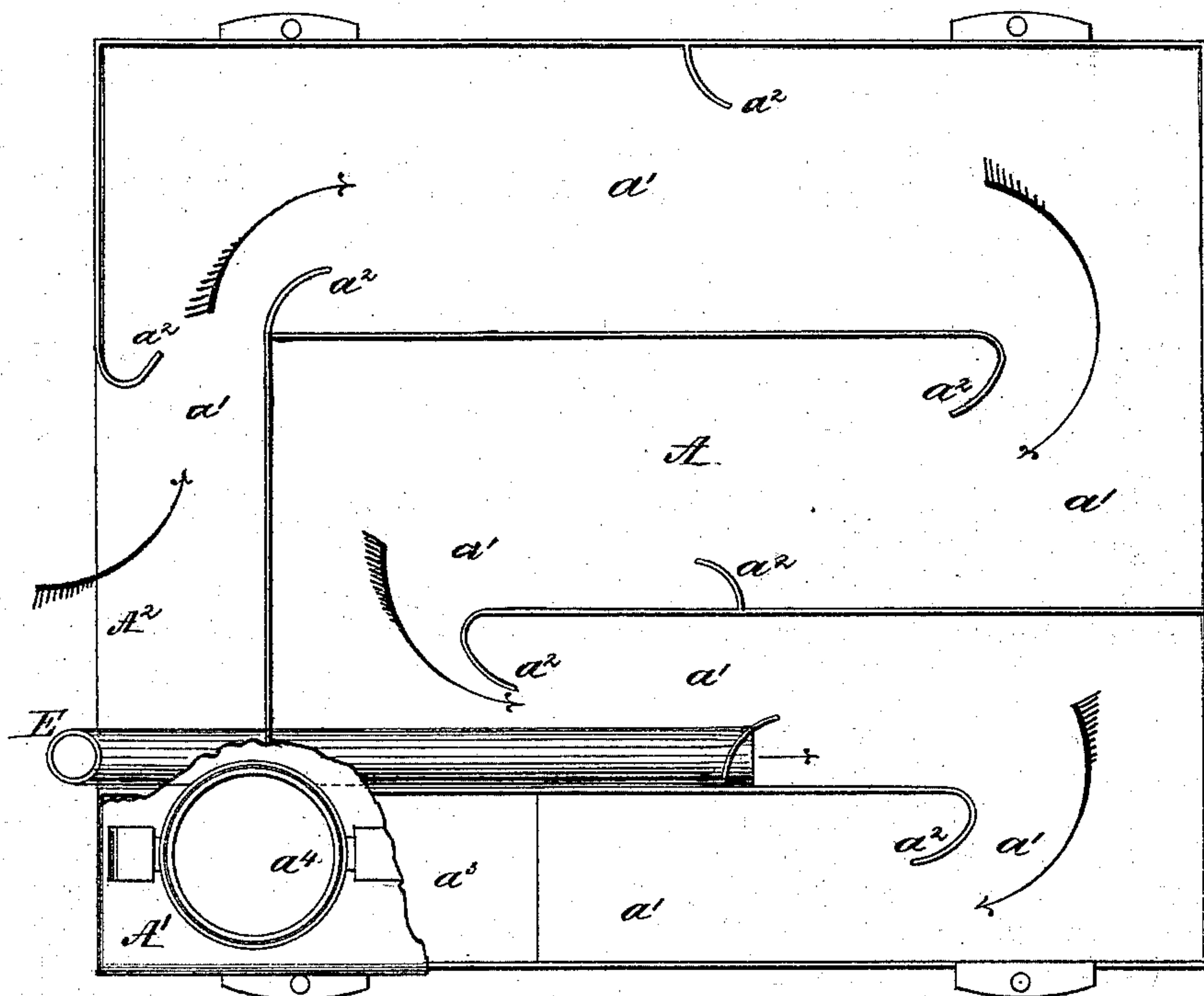
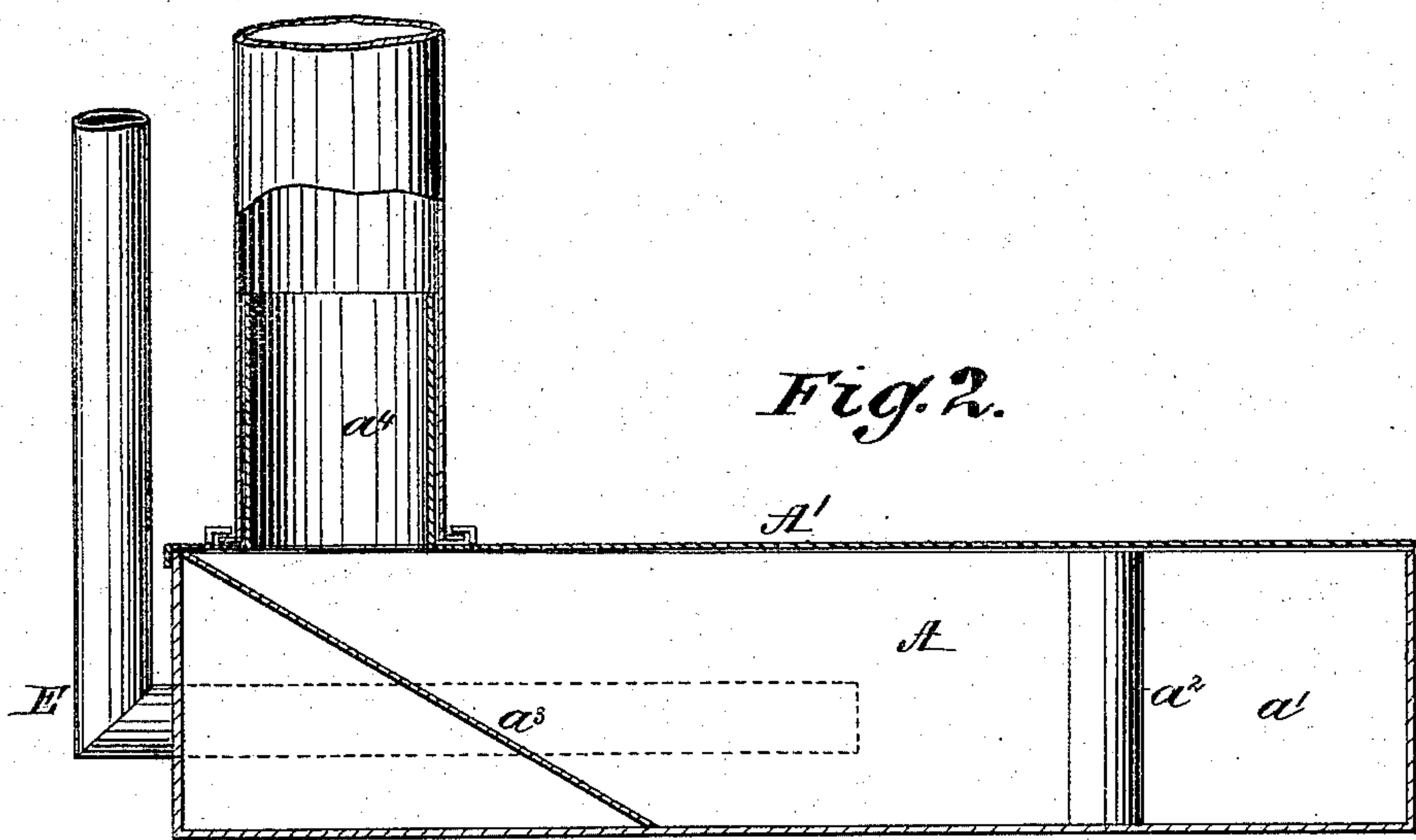


Fig. 2.



WITNESSES:

G. Hartley.
John Kemmer

INVENTOR:

Henry R. Robbins.

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HENRY R. ROBBINS, OF BALTIMORE, MARYLAND, ASSIGNOR TO THE ROB-
BINS MANUFACTURING COMPANY, OF NEW YORK CITY.

IMPROVEMENT IN STEAM FOUNTAIN-WASHERS.

Specification forming part of Letters Patent No. **157,421**, dated December 1, 1874; application filed
October 2, 1874.

To all whom it may concern:

Be it known that I, HENRY R. ROBBINS, of Baltimore city, in the State of Maryland, have invented a new and Improved Steam Fountain-Washer; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a horizontal, and Fig. 2 a vertical, section.

This invention relates to means whereby the steam-boilers of hotels, laundries, and other buildings may be readily utilized for washing purposes, thereby greatly economizing fuel, and lessening the cost of washing over ordinary methods of specially generating steam for each tub or vessel.

The invention will first be fully described, and then pointed out in the claim.

A represents a box, having tight top A^1 and opening A^2 , for the inlet of water from the tub or vessel in which it sits. a^1 is a convoluted channel for the passage of the water around and to an incline, a^3 , whence it ascends the pipe a^4 , being driven upward, injected upon the clothes, and returned through the clothes

to the bottom of tub and convoluted chamber or channel. The latter is provided with projections or curved guards a^2 , to prevent regurgitation of the water. E is a pipe entering the next to the last convolution of the channel in the same direction the water runs toward the incline a^3 , and extending out so as to be readily connected by piping with the large steam-boiler, a suitable stop-cock being provided between the steam-trap A and the boiler. As soon as the steam impinges against the hot water, the latter will be forced up, and the clothes acted upon in the usual manner.

Having thus described my invention, what I claim as new is—

The combination, with a box or trap, A, having convoluted channel a^1 , guards a^2 , incline a^3 , and pipe a^4 , of the steam-pipe E, entering one of the convolution channels, in the direction of the flow thereinto of the water, and connected with the steam-boiler, as and for the purpose specified.

HENRY R. ROBBINS.

Witnesses:

GEO. A. HEMMICK,
GASSAWAY WATKINS.