CHARLES W. POWELL.

Improvement in Wash-Boilers.

No. 115,353. Patented May 30, 1871.

Fig. 1.

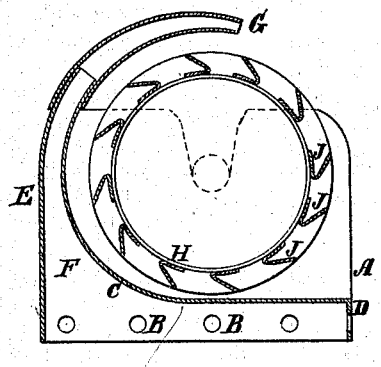
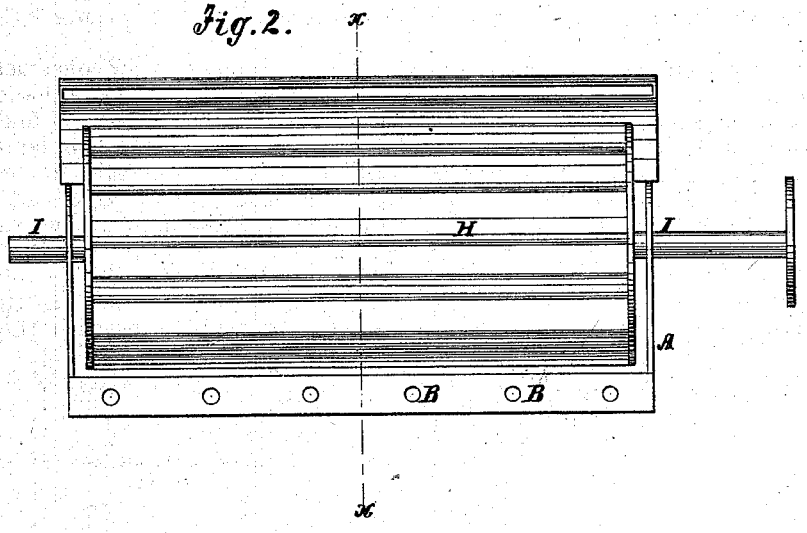


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES W. POWELL, OF YALESVILLE, CONNECTICUT.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 115,353, dated May 30, 1871.

To all whom it may concern:

Be it known that I, CHARLES W. POWELL, of Yalesville, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Wash-Boilers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in apparatus for washing clothes; and consists in the construction of the cylinder and the frame which supports it, as hereinafter described and claimed.

In the drawing, Figure 1 is a vertical cross-section of the wheel and frame taken on the line *x x* of Fig. 2. Fig. 2 is a side view of the apparatus.

Similar letters of reference indicate corresponding parts.

A is the frame or casing, which is made of tin or other other suitable sheet metal, which fits into a common wash-boiler. This frame or casing has holes, B, through its ends and one side, for the admission of water beneath it. C is the bottom of this casing, which extends from one side, or from the point D, curving upward, and forming, with the side E of the casing, a water-channel, F, which terminates at the point G, where the water, which is raised by the pressure of steam in the boiler, is discharged. H represents the wheel, which is supported on journals I I by the end pieces of the casing so that it may revolve. J represents buckets extending across the length of the wheel, which receive the water which is discharged from the water-channel F.

The clothes to be washed are placed inside the wheel H, one or more buckets being made removable for that purpose. The water which will be caught by the buckets, being all on one side of the wheel, will revolve the wheel and cause the clothes to change their position, and thus expedite the cleansing process. The wheel thus becomes a medium for transmitting power for other purposes than washing.

I do not confine myself to any particular application of this power. It may be employed for any purpose proportioned to the amount thus furnished.

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

1. The frame A D E, constructed with the bottom or apron C forming a channel, F, which is curved around, as shown, and terminates at a point, G, over the cylinder and slightly beyond its axis, when said frame is provided with the holes B, arranged as represented, and has the channel C at one side, with discharge along the whole length of the apron, all as herein set forth.

2. The open cylinder, constructed as described, in combination with the frame A C D E, substantially as specified.

CHARLES W. POWELL.

GEO. W. MABEE,
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