

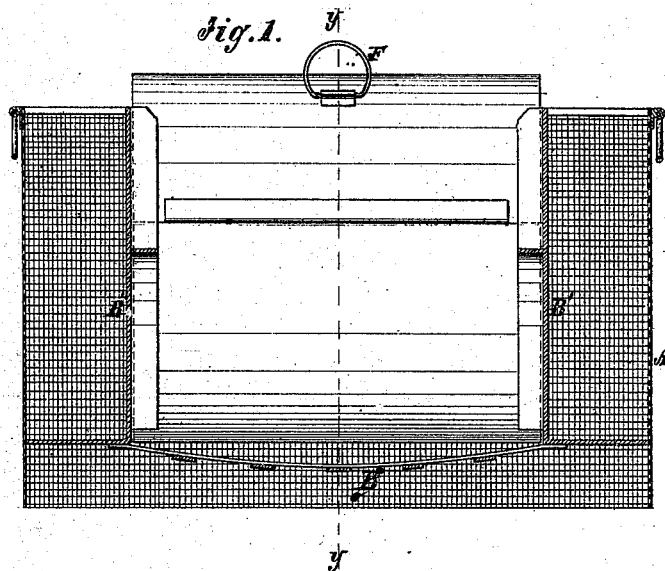
*C. W. Powell,*

*Wash Boiler.*

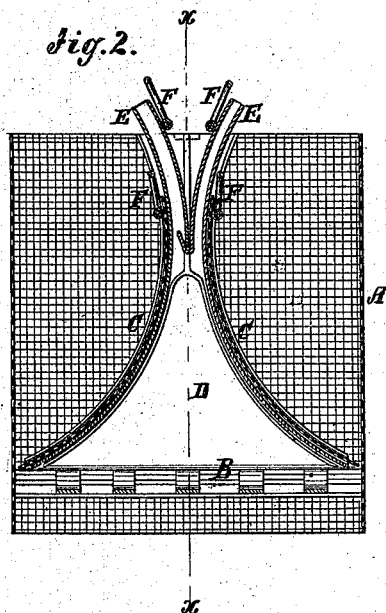
*No. 112,627.*

*Patented Mar. 14, 1871.*

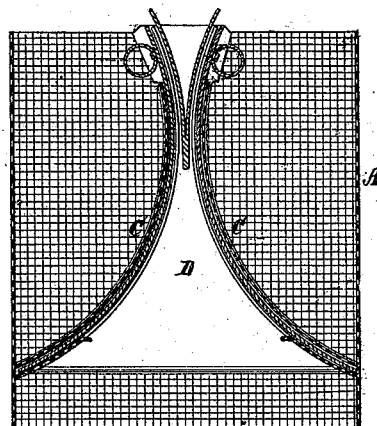
*fig. 1.*



*fig. 2.*



*fig. 3.*



**Witnesses:**

*A. Bennekenhof.*  
*Wm. H. C. Smith.*

**Inventor:**

*C. W. Powell*

**PER**

*Munn & Co.*  
**Attorneys.**

# United States Patent Office.

CHARLES W. POWELL, OF BLOOMFIELD, CONNECTICUT.

Letters Patent No. 112,627, dated March 14, 1871.

## IMPROVEMENT IN WASH-BOILERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, CHARLES W. POWELL, of Bloomfield, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Wash-Boiler; 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 a frame-work, made of perforated metal or woven wire, constructed in size and shape to fit into an ordinary wash-boiler, with slides and water-ways therein, arranged as hereinafter more fully described.

In the accompanying drawing—

Figure 1 represents a vertical longitudinal section of the apparatus taken on the line *x x* of fig. 2.

Figure 2 is a vertical cross section of the boiler taken on the line *y y* of fig. 1.

Figure 3 is a modification of fig. 2, showing a different arrangement of the discharge-tubes.

Similar letters of reference indicate corresponding parts.

A is the frame or perforated vessel, in which are arranged the slides and discharge-tubes.

The bottom B of this frame is open-work, excepting at the ends.

The end pieces B' extend up to the top of the frame A, the shape of the same being seen in the cross sections.

The edges of these ends are turned inward, so as to support slides, one or more, on one or both of the sides of a form, to correspond with the circles C C.

Between the ends there is an open space, D, into which the water in the boiler rises and is forced upward by the pressure of the steam below, and is discharged onto the clothes through the flat tubes E E, or either of them.

F represents rings, which are attached to the circular slides: There may be two sets of slides, and in this example of my invention I show two slides on each side, one of which is perforated, and the other made of whole tins, or other suitable metal, the latter of which form the tubes E E.

The clothes to be washed are placed in the boiler outside the circles C C, so that the water which is raised will be discharged directly onto them, and descend to the bottom of the boiler to be again raised by the steam, and so on as long as may be required for a thorough cleansing of the clothes.

A circulation is thus kept up through the clothes, but which circulation may be regulated and controlled by removing or adjusting the slides, either one or both, on either or both sides.

Instead of having perforated slides, as described, there may be fixed perforated partitions with tin slides, to which the rings are attached, as seen in fig. 3.

I do not confine myself to any particular number or arrangement of the slides.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The perforated frame A, circles C C, open bottom B, open space D, and adjustable or removable discharge-tubes E E, constructed and arranged with slides, to operate substantially as and for the purposes described.

2. The combination of the perforated frame A with circular slides and removable discharge-tubes, arranged substantially as and for the purposes described.

The above specification of my invention signed by me this day of 1871.

CHARLES W. POWELL.

Witnesses:

SIDNEY B. COLTON,  
FRANK B. COLTON,  
EDWARD M. COLTON.