

S. L. CHENEY.

Improvement in Wash-Boilers.

No. 127,567.

Patented June 4, 1872.

Fig 1

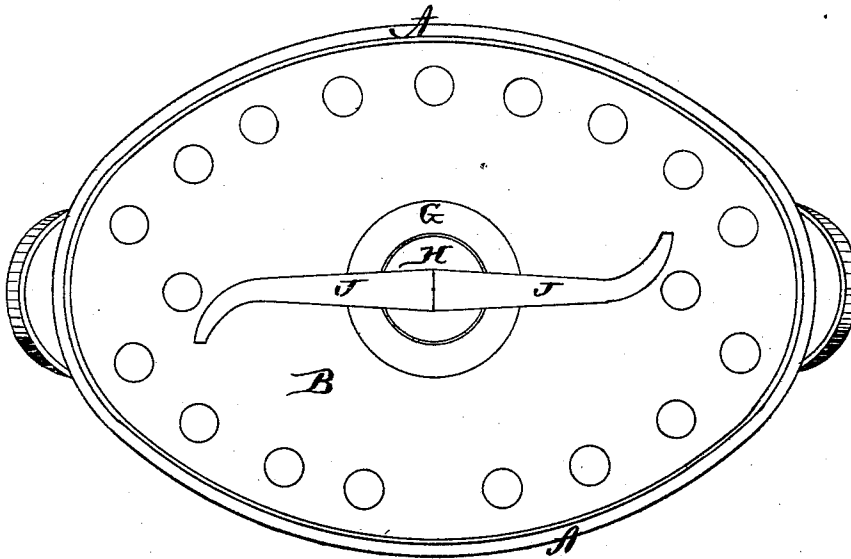
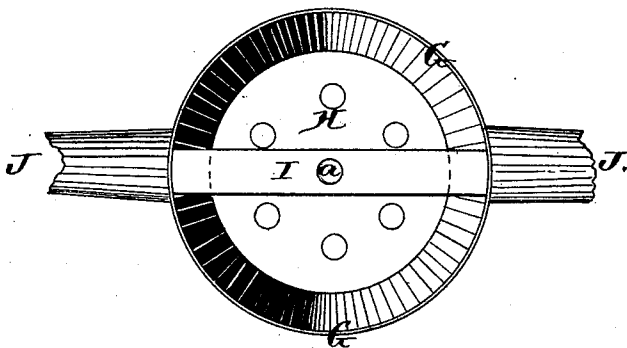


Fig 3



Witnesses:

Francis L. Durand
Chas. L. Ewert.

Inventor.

Solow L. Cheney,
per Alexander M. Mearns
Attorneys.

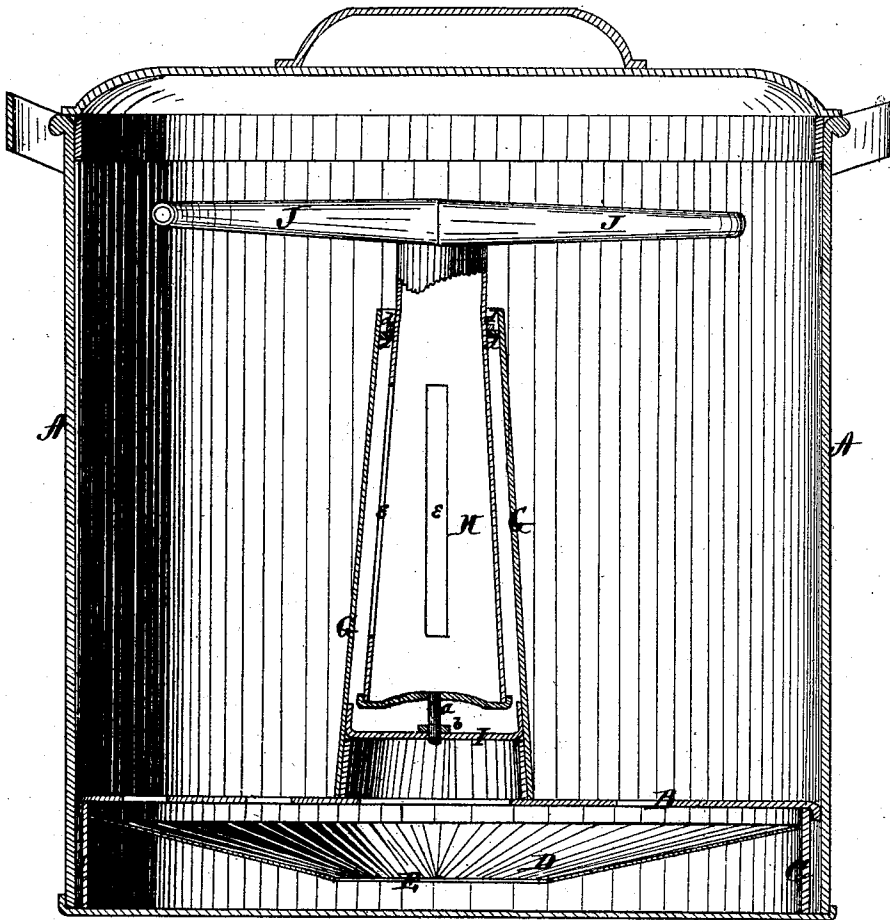
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Fig 2



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Francis L. Curand
C. L. Ewert.

Inventor.

Solow L. Cheney,
per Alexander Massie
Attorneys.

UNITED STATES PATENT OFFICE.

SOLON L. CHENEY, OF KANSAS CITY, MISSOURI.

IMPROVEMENT IN WASH-BOILERS.

Specification forming part of Letters Patent No. 127,567, dated June 4, 1872.

To all whom it may concern:

Be it known that I, SOLON L. CHENEY, of Kansas City, in the county of Jackson and in the State of Missouri, have invented certain new and useful Improvements in Wash-Boilers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of an "attachment for wash-boilers," as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of a wash-boiler with my attachment placed therein. Fig. 2 is a longitudinal vertical section of the same; and Fig. 3 is an enlarged bottom view of the central tubes of my attachment.

A represents a wash-boiler of any desired size and shape, provided with a false perforated bottom, B, which has a downward-projecting rim, C, around its edges to rest upon the bottom of the wash-boiler. Attached to the inner side of the rim C, below the false bottom B, is a conical disk, D, with central opening E, as shown in Fig. 2. In the perforated bottom B is a central circular aperture, from which rises a conical tube, G, inside of which is another conical tube, H. This latter tube is perforated through the sides and bottom, the bottom being concave and provided in the center with a downward-projecting pin, *a*, which is provided with a flange, *b*, and passes through a bar, I, attached to the lower end of the tube G, or to the bottom B across the aperture of the same. This pin *a* thus forms the pivot upon which the tube H may revolve,

while the flange *b* supports said tube. Rings *d d*, attached to the tubes G and H at or near the upper ends, make close joints between said tubes. On the upper end of the tube H are attached curved arms J J, the openings of which point in opposite directions, as shown in Fig. 1.

The clothes are placed on the perforated bottom B, occupying the space around the tube G. The heated water and steam, passing upward in the line of the least resistance, rises up into the pipes G and H, and, having no other outlet, passes into the pipe H through the apertures *e e* and through the arms J J. The water and steam being thrown out against the atmosphere causes the arms J J and pipe H to revolve rapidly, by which means the water is distributed uniformly over the clothes. The disk D concentrates the water that passes downward through the bottom B directly beneath the pipe G, which causes it to ascend without encountering the same friction as it would otherwise be subject to.

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

1. The combination of the exterior conical tube G and the interior perforated tube H with revolving arms J J, all substantially as and for the purposes herein set forth.

2. The combination of the perforated bottom B, rim C, conical disk D with aperture E, stationary tube G, and interior perforated revolving tube H with curved revolving arms J J, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of April, 1872.

SOLON L. CHENEY.

Witnesses:

DAVID H. WYLIE,
J. B. DEVELIN.