

C. W. GOULD.

Improvement in Washing-Machines.

No. 129,127.

Patented July 16, 1872.

Fig. 1.

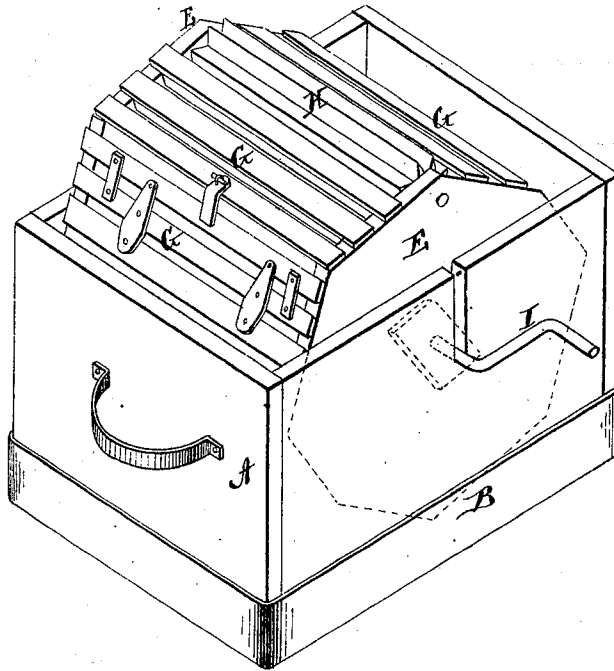
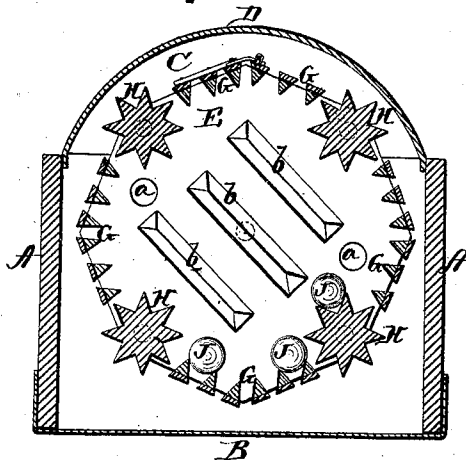


Fig. 2.



Witnesses:
Jas. C. Hutchinson
C. L. Ewert.

Inventor.
Chas. W. Gould
per Alexander Mason

Attorneys.

UNITED STATES PATENT OFFICE.

CHARLES W. GOULD, OF HAMBURG, IOWA.

IMPROVEMENT IN WASHING-MACHINES.

Specification forming part of Letters Patent No. 129,127, dated July 16, 1872.

To all whom it may concern:

Be it known that I, CHARLES W. GOULD, of Hamburg, in the county of Fremont and in the State of Iowa, have invented certain new and useful Improvements in Washers and Boilers combined; 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 part of this specification.

The nature of my invention consists in the construction and arrangement of a "combined wash-boiler and washing-machine," 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 perspective view of my machine with the lid removed, and Fig. 2 is a longitudinal vertical section of the same with the lid in place.

A represents the body of my boiler, made of wood, in rectangular form, and provided with a bottom, B, of tin or galvanized iron, which may be fastened to the bottom edges of the body A, or slightly turned up and fastened on the sides thereof. The cover of the boiler is made of arched wooden side pieces C C, with tin top D, the ends of which extend down into the boiler, as shown in Fig. 2. The washing part is a hollow rotating cylinder to contain the clothes, revolving inside of the boiler while the water is boiling, the boiler being placed on an ordinary cook-stove. This cylinder is constructed in the following manner: E E are two polygonal-shaped heads, connected by a series of triangular bars, G G, arranged, as shown, suitable distances apart, the base outward and point inward, which bars or slats form the clothes-rubber. At the corners of the wheel or cylinder thus formed,

or at such points as may be desired, are placed wheels H H, which rotate independently of each other and of the cylinder, and also with the cylinder as the same is revolved, producing agitation of the water, turning and heating the clothes. These wheels H H may be made of wood or metal, as may be desired. The heads E are provided with passages *a a* for water-escapes, and on the inner sides of said heads are beveled cleats or slats *b b* for carrying the clothes up, and produce friction. A door is formed in the cylinder by two or more of the bars G G being connected together, and hinged to the main part of the cylinders. Balls J J are also used inside of the cylinder for beating and turning the clothes. The cylinder is hung on journals in any suitable manner in the boiler, and turned by a crank, I. For washing carpets or heavy woolen goods a concave attachment, consisting of rollers and slats, is placed in the bottom of the boiler, either stationary or movable, the cylinder working over said concave with the goods between.

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

1. A revolving washing-cylinder, provided at suitable intervals around its circumference with independently-rotating wheels for turning and beating the clothes, substantially as herein set forth.

2. The within-described washing-cylinder, consisting of the heads E E with apertures *a a* and beveled slats *b b*, the triangular slats G G, and wheels H H, all substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 20th day of May, 1872.

CHAS. W. GOULD.

Witnesses:

R. K. CRANDAL,
W. L. BOGAN.