J. HASKINS.

Wash-Boiler Attachments.

No. 149,858. Patented April 21, 1874.

Fig. 1.

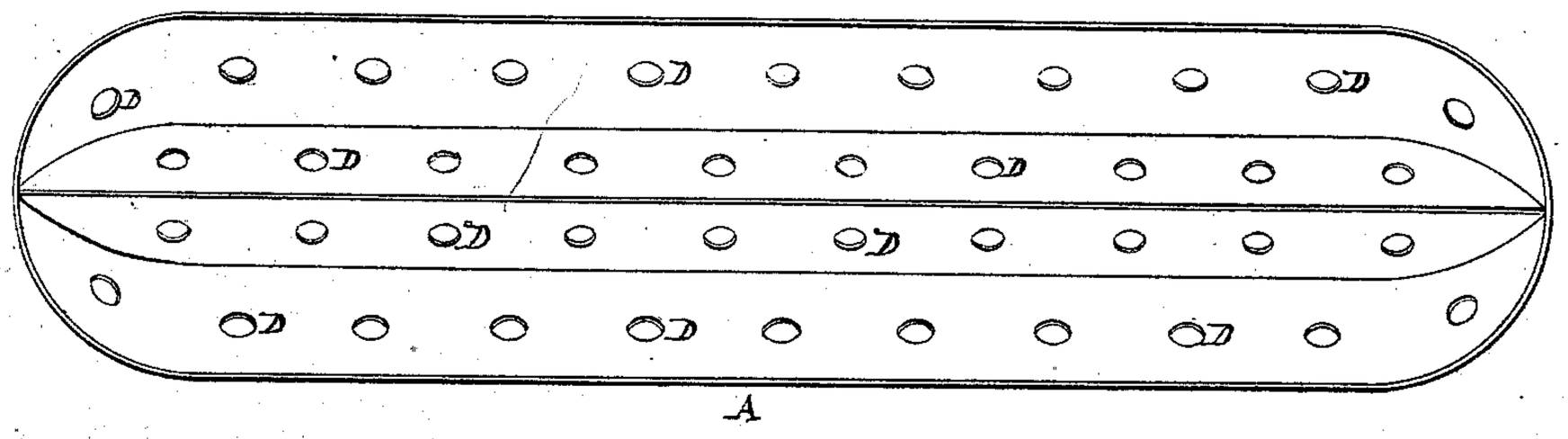


Fig. 2.

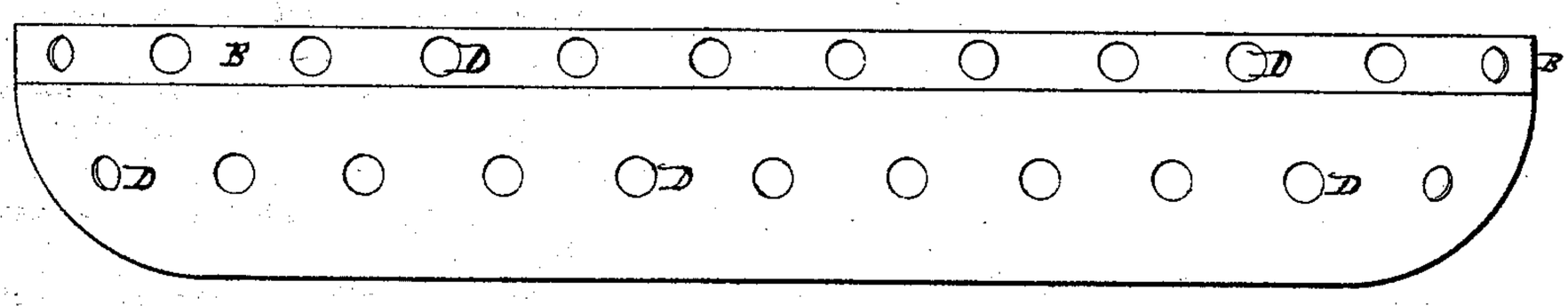
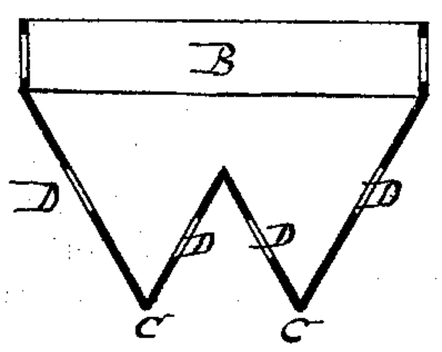


Fig. 3.



Witnesses.

R. Gebner.

Dennis Finney.

Inventor.

Joseph Haskins.

By Cox and Co. his Attys.

UNITED STATES PATENT OFFICE.

JOSEPH HASKINS, OF ATCHISON, KANSAS.

IMPROVEMENT IN WASH-BOILER ATTACHMENTS.

Specification forming part of Letters Patent No. **149,858**, dated April 21, 1874; application filed February 2, 1874.

To all whom it may concern:

Be it known that I, JOSEPH HASKINS, of Atchison, Atchison county, Kansas, have made and invented a new and useful Improvement in Steam Clothes-Boilers, of which the following is a full and clear specification:

The invention relates to improvements in steam clothes-boilers; and consists in providing a perforated vessel, preferably of metal, which is conformed to fit in the bottom of an ordinary wash-boiler. The edge or rim of the vessel is vertical, so as to prevent the steam from escaping upward between it and the sides of the boiler, and the bottom is in the form of a **W**, the ends being rounded upward and vanishing in the rim. The perforations are made at intervals removed from the points that rest upon the bottom of the boiler and direct the steam in its ascent. The clothes or material to be washed are placed in the vessel, which is inserted in an ordinary wash-boiler.

The construction is such that a large proportion of the material is exposed to the action of the steam, which, being forced up through the apertures or perforations, effectively cleans the clothes or material with greater certainty and rapidity than can be attained by an ordinary boiler.

In the accompanying drawings, Figure 1 is a bottom view of a device embodying my invention; Fig. 2, a side elevation, and Fig. 3 a vertical section.

A is a metallic vessel, constructed in such manner that the rim B, which is vertical, will fit in the imprint of the bottom of an ordinary wash-boiler, or against the sides near the bottom in boilers that have no imprint, in such manner as to prevent the steam rising between the rim and the surface against which it rests. The parts of the vessel A below the rim B are bent or corrugated, so as to form a **W**, in the sides of which, removed from the points C, are cut the apertures D, which are sufficiently numerous to permit the steam to escape upward, thus carrying with it the water, so as to effectively permeate and wash the contents of the boiler. The ends of the vessel are rounded away and perforated, so that the only parts of the device that come in contact with the boiler are the rim B and points C. Apertures D may also be cut in the rim B.

The form I have described is probably to be preferred for boilers of usual size; but I do not confine myself to any particular number of corrugations or points, as the number may be increased or diminished with advantage, according to circumstances. In large boilers three, or perhaps more, corrugations may be found necessary to fully effect the object of the invention.

The depth of the vessel will usually be but a few inches, but should in all cases be such as to insure the creation of the currents of steam and water, upon which the efficiency of the device depends.

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

The vessel A, having the rim B, perforated as shown, and fitting into that portion of a wash-boiler which comes in contact with the fire, in combination with the corrugations or cones C, when both rim and cones are perforated, substantially as specified.

In testimony that I claim the foregoing improvement in steam clothes-boilers, as above described, I have hereunto set my hand and seal this 28th day of January, 1874.

JOSEPH HASKINS. [L. S.]

Witnesses:

J. WOODWORTH,

E. K. SAWYER.