

J. S. ANDERSON.
Boiler Washing-Machines.

No. 157,669.

Patented Dec. 15, 1874.

Fig. 1.

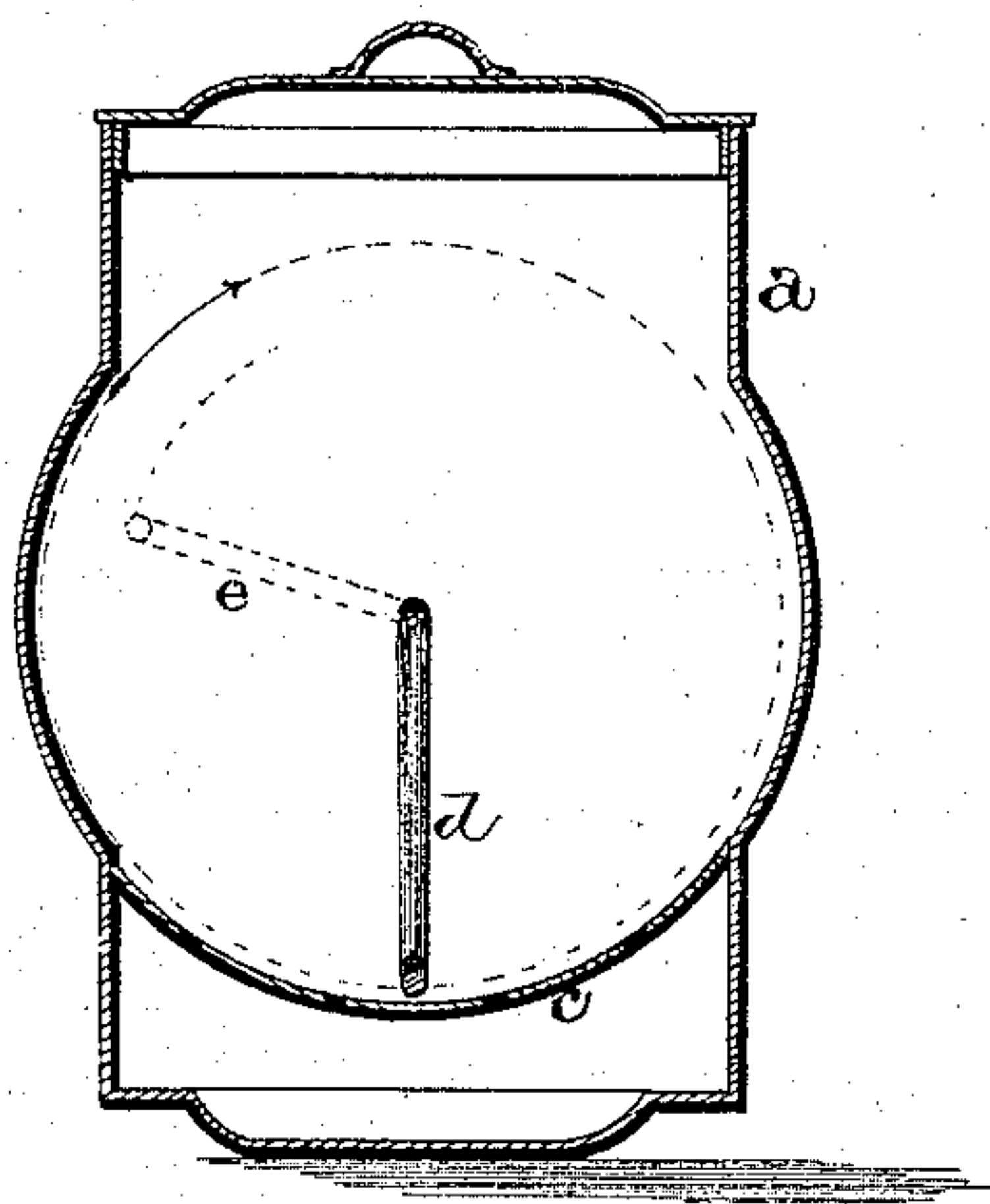
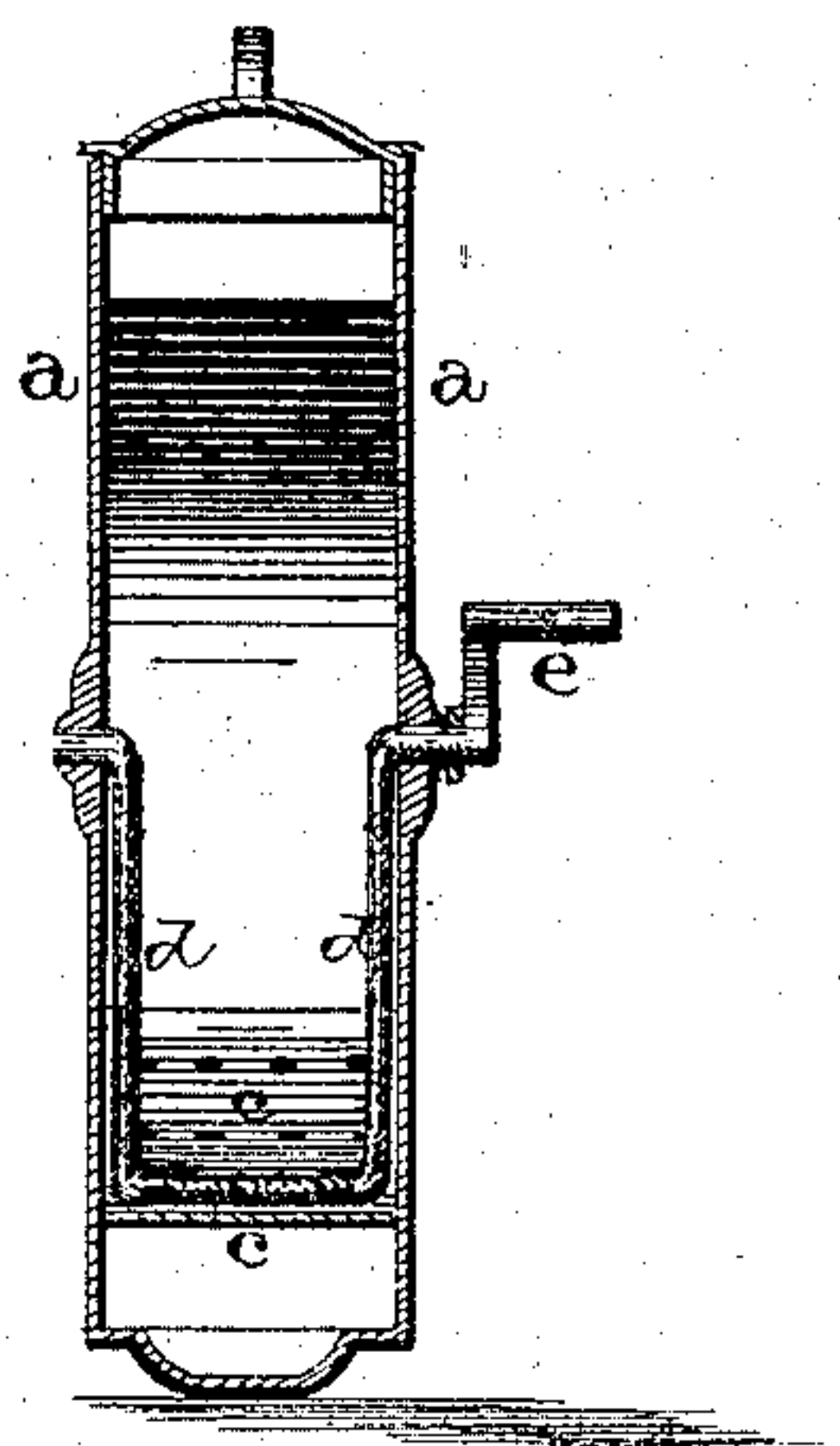


Fig. 2.



WITNESSES.

J. William Garner,
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Jno. S. Anderson
per
F. A. Lehmann, Atty.

UNITED STATES PATENT OFFICE.

JOHN S. ANDERSON, OF FLINTVILLE, WISCONSIN.

IMPROVEMENT IN BOILER WASHING-MACHINES.

Specification forming part of Letters Patent No. **157,669**, dated December 15, 1874; application filed September 4, 1874.

To all whom it may concern:

Be it known that I, JOHN S. ANDERSON, of Flintville, in the county of Brown and State of Wisconsin, have invented certain new and useful Improvements in Wash-Boilers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to a combined boiler and washing-machine; and it consists in the arrangement and combination of devices, which will be more fully described hereafter, whereby the clothes are washed during the act of being boiled.

The accompanying drawings represent vertical, longitudinal, and cross sections of my invention.

a represents an elongated rectangular vessel, about the size of a common clothes-boiler, and which has its bottom shaped so as to fit on the stove. In this vessel is placed the semi-circular perforated partition *c*, which divides the vessel into two compartments, the upper and larger one to receive the clothes, and the lower one the water. If so desired, this partition may be ribbed along its lower or central part, so that as the clothes are moved over it they will be rubbed the same as upon a wash-board. Journaled in the sides of the boiler is a double crank, *d*, which is operated by the handle *e*. This crank extends down just far enough to reach the curved bottom, and outward to touch the rounded ends of the boiler as it is revolved around.

As this crank is turned around it keeps moving the clothes round and round, and stirs them up in such a manner that they are thor-

oughly washed and cleansed while being boiled, and without the trouble of transferring them to a tub for that purpose.

By means of this device a washing-machine and boiler are combined in the same machine, whereby the clothes are easily and readily washed in the same vessel in which they are boiled.

By making the bottom *c* and sides of the boiler in a semicircle, none of the articles of clothing can get in a corner out of the reach of the crank, but all are stirred alike.

By having both vessels made in one, all of the steam and boiling water is forced directly up through the clothes while they are being stirred and washed by the double crank.

I am aware that one vessel has been placed within another, and that a reciprocating shaft provided with beaters is not new.

My invention consists in forming the boiler and washer in one, and in so forming the sides of the washer that, as the double crank is swept around, it will move all the clothes in the whole vessel.

Having thus described my invention, I claim—

A combined boiler and washing-machine, consisting of the vessel *a*, which is divided into two compartments by the curved partition *c*, in combination with the double crank *d* and handle *e*, the partition and ends of the boiler being formed into a semicircle, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of August, 1874.

JOHN S. ANDERSON.

Witnesses:

L. R. LAMB, Jr.,

W. S. BUCKMAN.