

E. DAVIS.
Wash-Boiler Attachments.

No. 141,429.

Patented August 5, 1873.

Fig. 1.

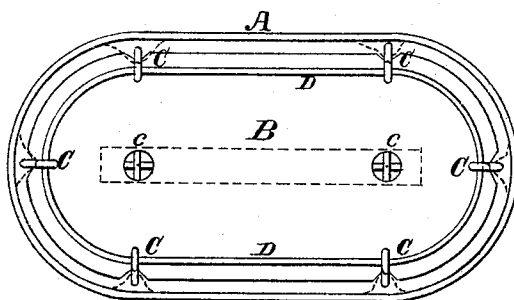
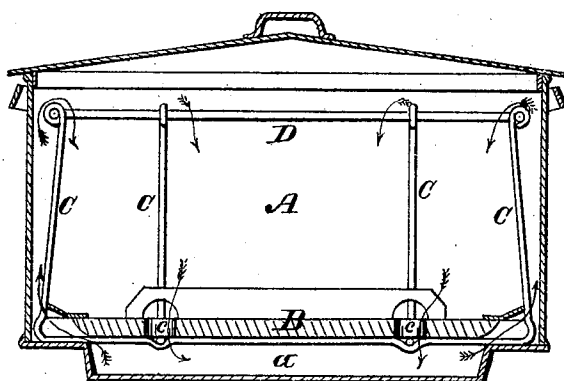


Fig. 2.



Attest:

S. G. Boyce
N. Connett.

Inventor:

Enoch Davis
by his Atty
Henry Connett Jr.

UNITED STATES PATENT OFFICE.

ENOCH DAVIS, OF HANOVER, INDIANA, ASSIGNOR OF ONE-HALF HIS
RIGHT TO JOHN P. ARNOTT, OF SAME PLACE.

IMPROVEMENT IN WASH-BOILER ATTACHMENTS.

Specification forming part of Letters Patent No. **141,429**, dated August 5, 1873; application filed
February 7, 1873.

To all whom it may concern:

Be it known that I, ENOCH DAVIS, of Hanover, in the county of Jefferson and State of Indiana, have invented certain Improvements in Attachments to a Wash-Boiler, of which the following is a specification:

My invention consists of a species of crate or basket to be placed inside of an ordinary wash-boiler. The fabrics to be washed are placed in the crate, and the upright rods forming its frame—which stand off from the interior surface of the boiler—prevent the said fabrics from touching the boiler at those points, and thus permit the uninterrupted circulation of currents of water up the sides of the vessel.

Figure 1 is a plan of my invention. Fig. 2 is a longitudinal vertical mid-section of the same.

Let A represent an ordinary wash-boiler, *a* being the depressed portion that enters the stove. The crate or basket which comprises my invention is composed of a wood or metal bottom, B, which conforms to the shape of the containing-boiler A, but is somewhat less in area, upright rods C C of tinued-iron wire or other suitable material, and a band, D, to which the rods are secured, of the same material.

In the drawing the bottom B is shown as constructed of wood; but it may be made of tin, copper, or other suitable material. This bottom rests on the ledge formed by the depression *a* of the boiler.

The crate is not in any way connected with or attached to the boiler, but is set inside of

it, and the clothes placed inside the crate. The clothes press against the boiler all around, except where they are held away by the rods C C, as indicated by the dotted lines in Fig. 1. This forms a vertical water-passage behind each rod, and these passages connect with the space *a* of the boiler. When the water boils an upward current is generated in these passages; thence over the top of the clothes, and, as it becomes cooler, sinks through the center of the bulk and through the holes *c c* in the bottom B, thus keeping up a continuous current, by means of which the clothes are cleansed. The direction of the currents is indicated by arrows in Fig. 2.

In place of wire rods C C, as shown, there may be substituted uprights of sheet metal, having angular or semicircular sections, the open side toward the boiler. Or, instead of single wire rods, they may be placed in pairs.

The manner of securing the rods to the bottom B is immaterial, so that a free passage is maintained at that point for the exit of the water from the space *a*.

I claim—

The crate or basket for containing the material to be washed, composed of the bottom B, rods C C, and band D, when constructed and arranged to operate substantially as shown, and for the purposes set forth.

ENOCH DAVIS.

Witnesses:

HENRY CONNETTS,
J. S. MOORE.