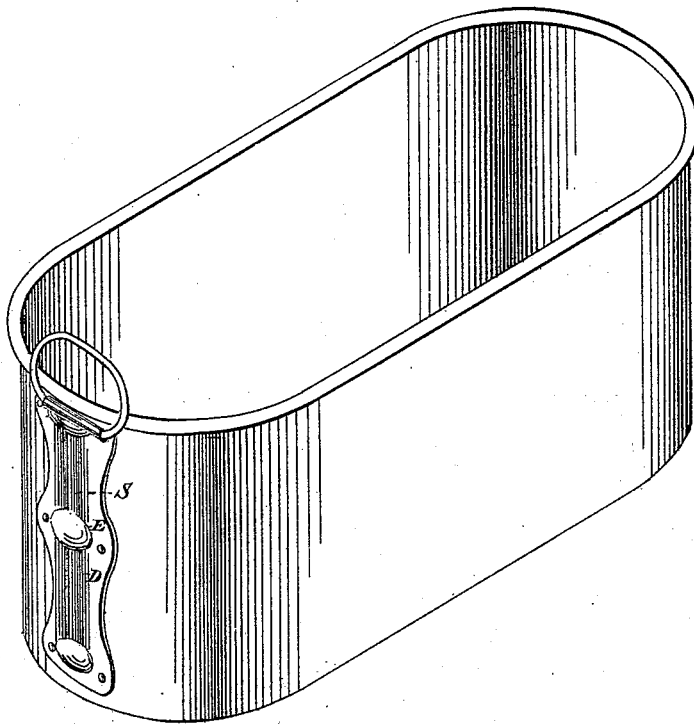


S. W. BRADLEY.  
Domestic Boiler.

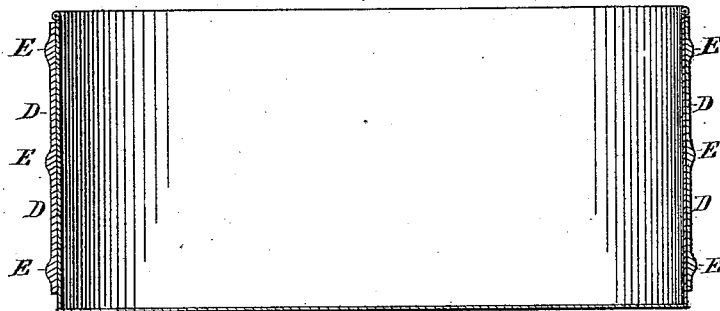
No. 213,036.

Patented Mar. 11, 1879.

*Fig. 1*



*Fig. 2*



*Attest;*  
*Charles James Corbin*  
*John Monroe Courtney*

*Inventor:*  
*Smith Whitney Bradley*

# UNITED STATES PATENT OFFICE.

SMITH W. BRADLEY, OF CHERRY VALE, KANSAS.

## IMPROVEMENT IN DOMESTIC BOILERS.

Specification forming part of Letters Patent No. **213,036**, dated March 11, 1879; application filed February 23, 1878.

*To all whom it may concern:*

Be it known that I, SMITH WHITNEY BRADLEY, of Cherry Vale, in the county of Montgomery and State of Kansas, have invented a new and useful Improvement in Stove Wash-Boilers, of which the following is a specification:

The object of my invention is to provide a shield to protect and strengthen wash-boilers, and prevent the same from being bruised when tilted over the edge of a tub.

The invention consists in a metal plate to be attached to boilers by rivets or solder, and to which the boiler-handle may be attached.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is an end view of a boiler with my device attached thereto and the boiler-handle combined therewith; and Fig. 2 is a vertical or longitudinal section of the device, showing the elevations and depressions of the shield.

I make my boiler-shield of sheet-rolled plate or malleable iron, with an elevated center or spine the whole length thereof, as shown at S S, Figs. 1 and 2, and with other elevations

across said spine, as shown at E E E, Figs. 1 and 2, which form depressions between them. The spine S S makes the shield stronger, and the cross-spines and depressions prevent the boiler from slipping when rested on the edge of a tub.

It is known that bail-ears have been made longer than necessary for the attachment of the bail, and also that a short plate provided with a hook has been applied to the wall of a boiler, and that these devices serve, in some degree, to strengthen the vessels upon which they are used; but it is to be noticed that my attachment extends the whole length of the boiler vertically, and is adapted especially to prevent the "buckling" of the sheet metal, and to otherwise protect it.

I claim—

The metal shield D S E, constructed and applied substantially as described, in combination with the wash-boiler.

SMITH WHITNEY BRADLEY.

Witnesses:

CHARLES JAMES CORBIN,  
JOHN MONROE COURTNEY.