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M. T. LAMB,

Impt in Wash Boilers.

PATENTED FEB 22 1870

Fig. 1.

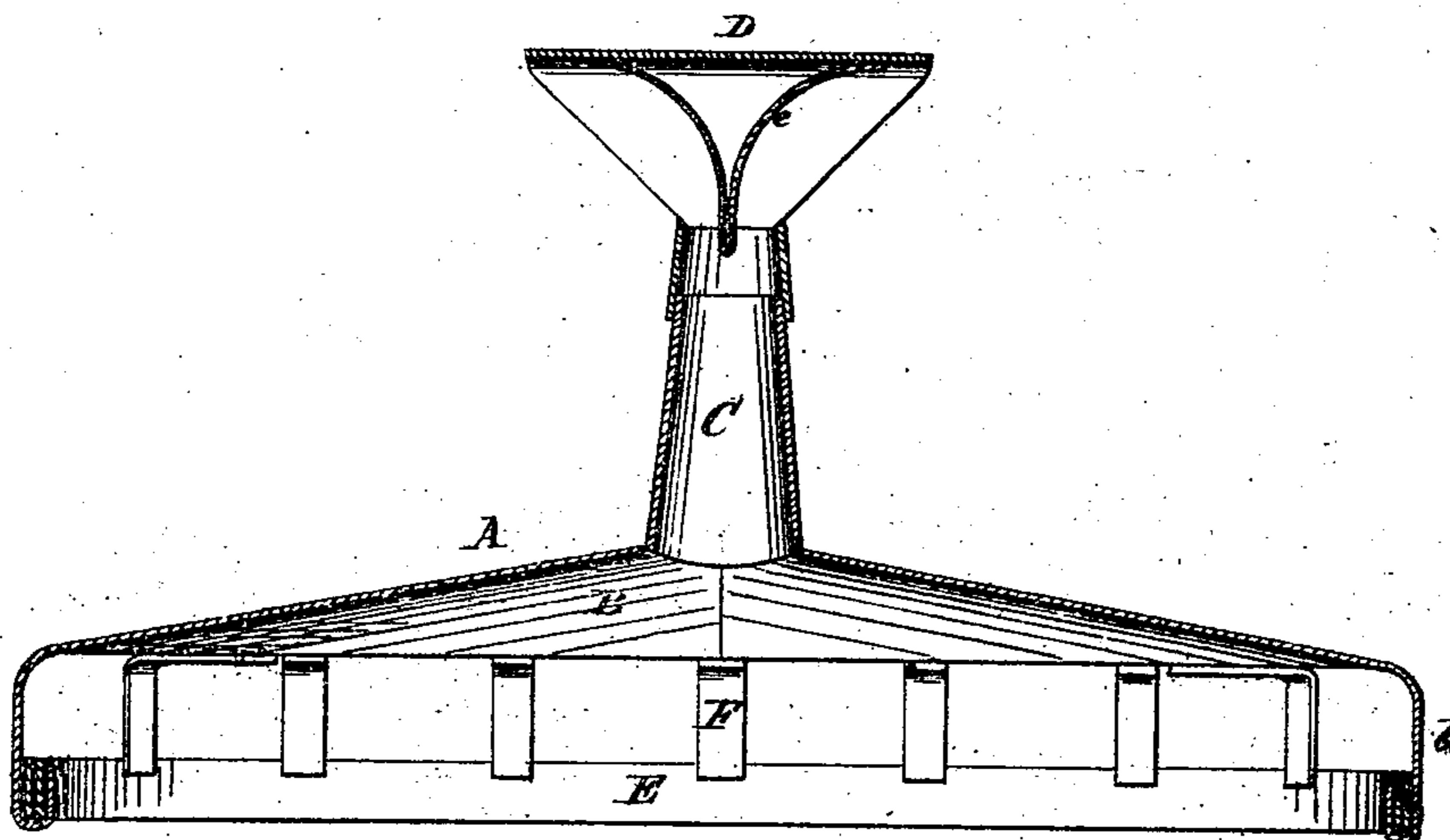
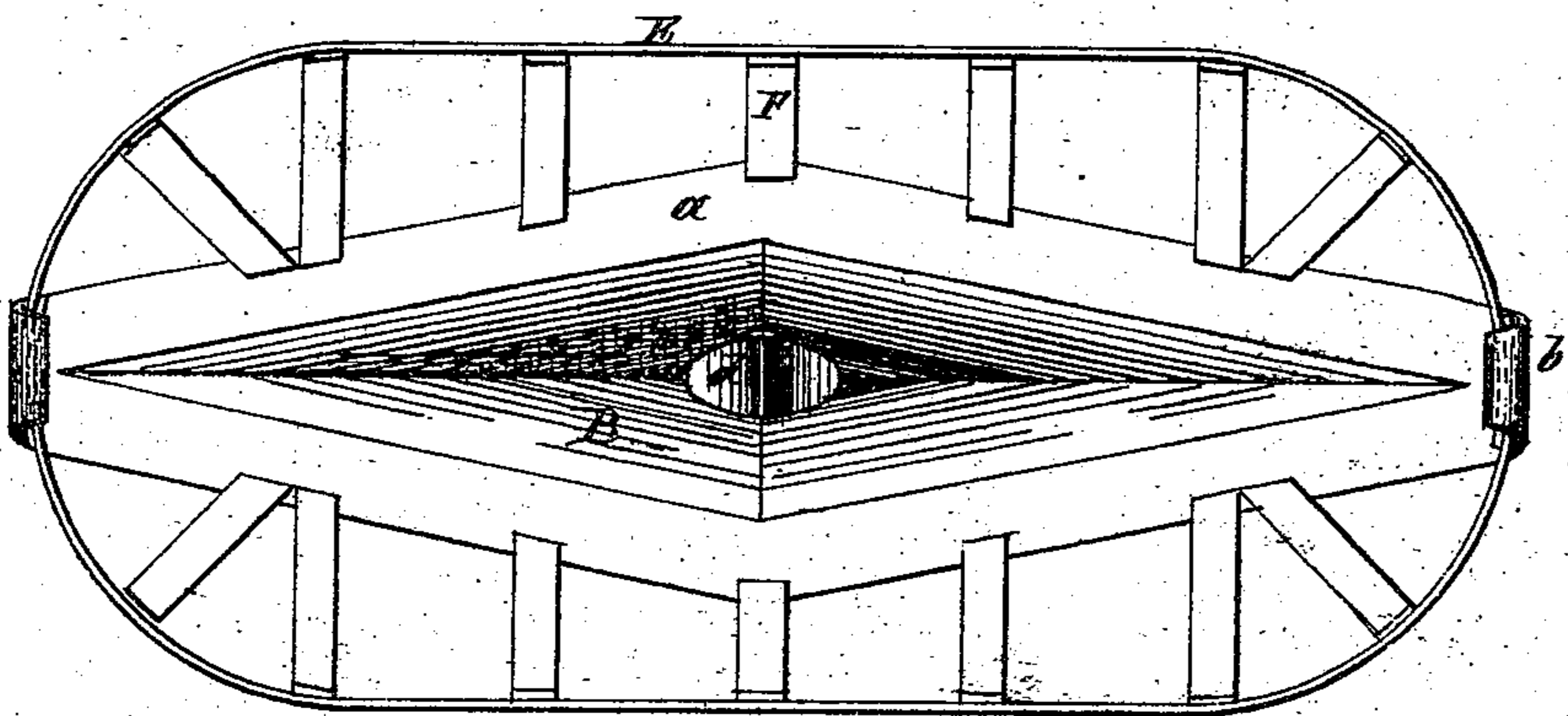


Fig. 2.



Witnesses:

Phil. T. Dodge.
E. J. Sommers.

Inventor:

M. T. Lamb
by Dodge & Munroe
his attys

United States Patent Office.

MARTIN T. LAMB, OF DAVENPORT, IOWA.

Letters Patent No. 100,156, dated February 22, 1870.

IMPROVED STEAM CLOTHES-WASHER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, MARTIN T. LAMB, of Davenport, in the county of Scott, and State of Iowa, have invented certain Improvements in a Steam Clothes-Washer, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to wash-boilers, and consists in the novel construction and arrangement of a steam clothes-washer, for insertion within a wash-boiler, and so as to be both adjustable and removable.

In the drawings—

Figure 1 is a longitudinal vertical section of my device, and

Figure 2 is a top plan view.

In constructing my steam clothes-washer A, I take any suitable sheet metal, such as tin, or sheet-copper tinned, and make an oblong-shaped cover, B, with its edge a flat, and extending at its ends b far enough to be bent downward and around the lapping ends of a rim, E, as clearly shown in both figures, and with its middle portion, from each of the ends b to the center, raised, as also shown in the figures. The raised portion of the cover may be diamond-shaped, oval, or in any other form, provided only it inclines from its lower edge to the center or its highest point.

In the center of this raised portion of the cover I make a hole or opening, d, and connect to the cover, immediately over this opening, a pipe or tube, C, and on the upper end of the tube place a cap, D, with openings on each side, and curved deflectors, E, arranged within, and with their faces turned toward the openings, as clearly shown in fig. 1.

This raised cover B, I connect to the rim E, which is made in two parts, by narrow pieces, F, as shown in both figures. The ends of the two parts of the rim E lap loosely, as is also shown in the figures. By this

manner of connecting the cover B with the rim E it will be seen that the rim may be measurably contracted or expanded, and thus the washer be made to fit boilers of different sizes.

In using my device I place it inside of the boiler, and fill with water till it reaches the lower edge of the cover B; then prepare the articles to be washed, fold them smoothly, and pack them on the upper side of the washer, and so as to extend close to the inner side of the boiler and about the tube.

As the water becomes heated and boils, the vapor, steam, and water will follow the incline on the under side of the cover, rise up through the tube, strike against the deflectors E, and be thrown out in each direction toward the inner ends of the boiler, and over the clothes on the washer, and will then pass down through the articles and the pieces F, and then up as before, thus making and keeping up a continuous circuit. This may be continued for thirty minutes, when the clothes can be taken out, and all the dirt rinsed from them without any hard rubbing.

Having thus described my invention,

What I claim is—

1. A steam clothes-washer, A, having the ends of its cover B bent loosely about the free ends of the rim E, and its sides connected to the sides of the rim by the bent strips or pieces F, as herein shown and described.

2. In combination with the cover B and tube C, the cap D, provided with the deflectors E, the whole constructed and arranged substantially as and for the purpose set forth.

MARTIN T. LAMB.

Witnesses:

GEO. E. HUBBELL,

W. L. CARROLL.