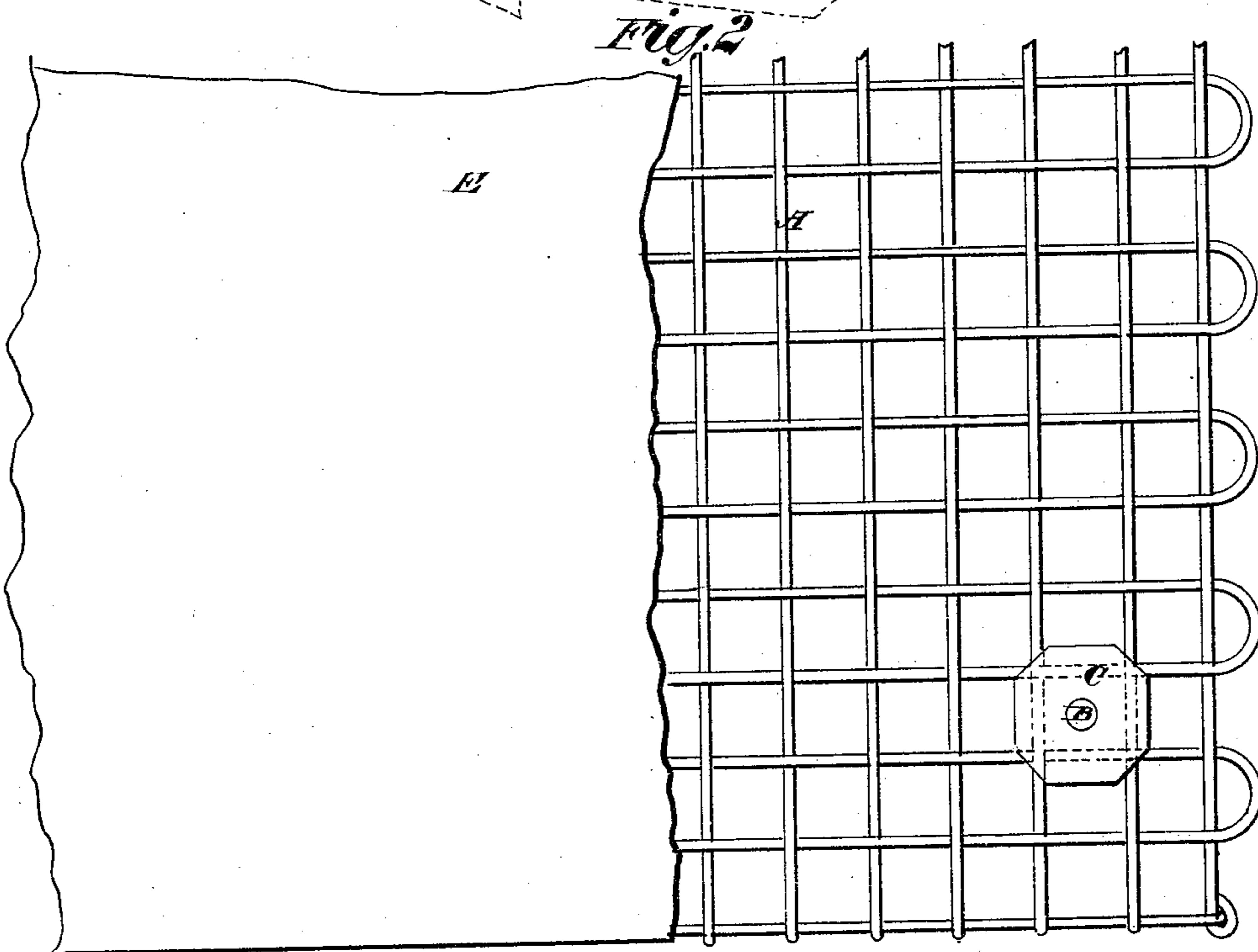
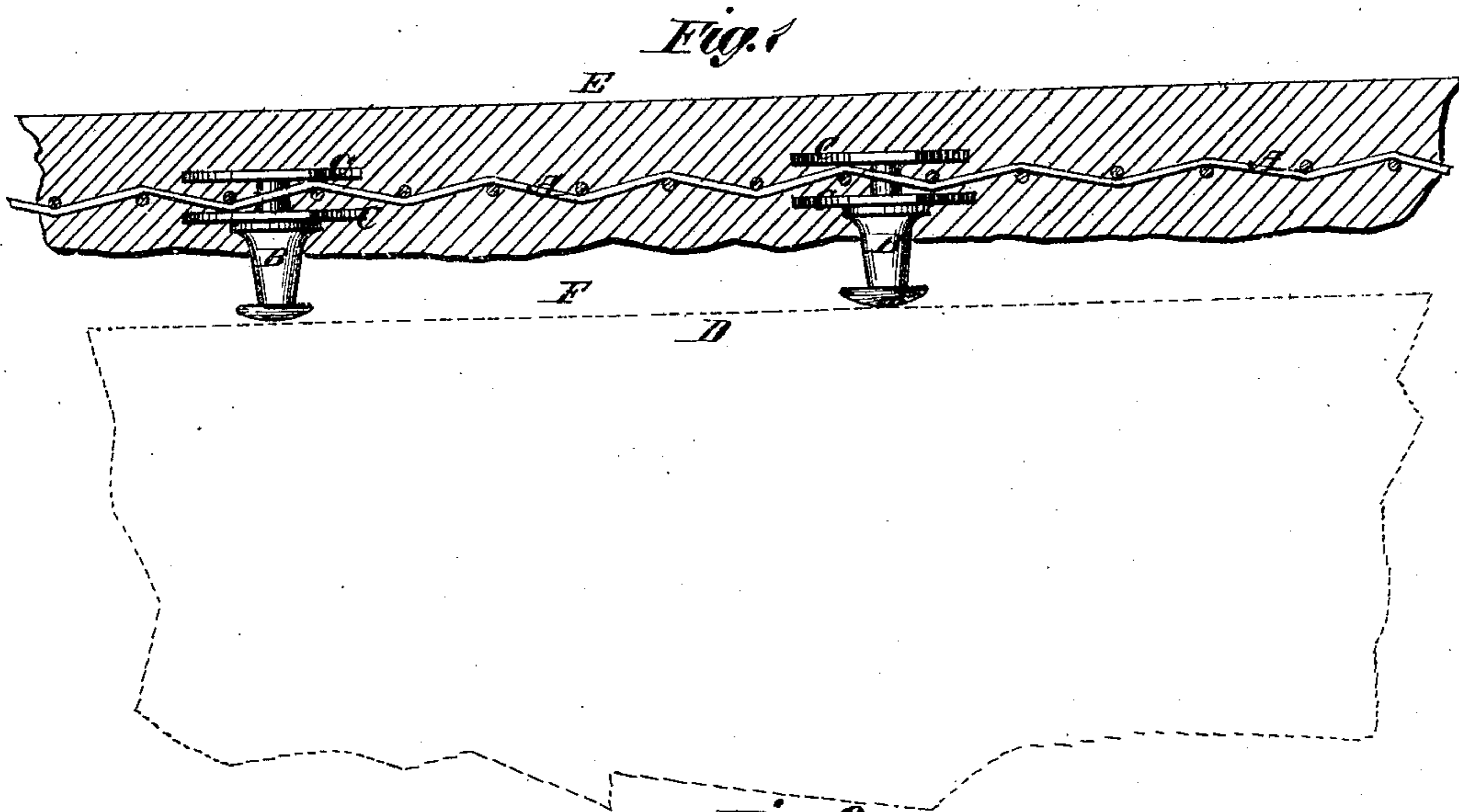


A. IRONS & L. CLAYTON.
Boiler Coverings.

No. 153,257.

Patented July 21, 1874.



WITNESSES:

H. Mc Ardle
Chilquick

INVENTOR:

BY

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UNITED STATES PATENT OFFICE.

ALONZO IRONS AND LEWIS CLAYTON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN BOILER-COVERINGS.

Specification forming part of Letters Patent No. **153,257**, dated July 21, 1874; application filed May 29, 1874.

To all whom it may concern :

Be it known that we, ALONZO IRONS and LEWIS CLAYTON, of the city and county of Philadelphia, Pennsylvania, have invented a new and Improved Boiler-Covering, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claim.

Figure 1 is a longitudinal sectional elevation of a small section of boiler-covering constructed according to my invention; and Fig. 2 is a plan view of a portion of the covering complete, and another portion representing only the wire-cloth.

Similar letters of reference indicate corresponding parts.

A represents a web of coarse wire-cloth with short studs B, secured to it by washers C, to form an inside fastening and prevent the sweating of the boiler, when cold, from loosening the cement. E represents the non-conducting compound applied to the wire-cloth, and thus supported a short distance from the

boiler-shell to provide a dead-air space between it and the shell, and to prevent the compound from breaking by the contracting and expanding of the shell.

The wire-cloth will be first applied and fitted to the boiler, and then the compound will be spread on it in a plastic state. The dead-air space largely aids in retaining the heat of the boiler.

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

The described combination, with wire-cloth A and non-conducting cement E, of studs B and washers C C, arranged as described, to form an inside fastening and thus prevent the sweat of the boiler, when cold, from loosening the cement.

ALONZO IRONS.
LEWIS CLAYTON.

Witnesses:

W. W. DOUGHERTY,
P. H. NOLAN.