

ALLAN TALBOTT.
Improvement in Thimbles for making Attachment to Steam Boilers.
No. 121,017.

Patented Nov 14, 1871.

Fig.1.

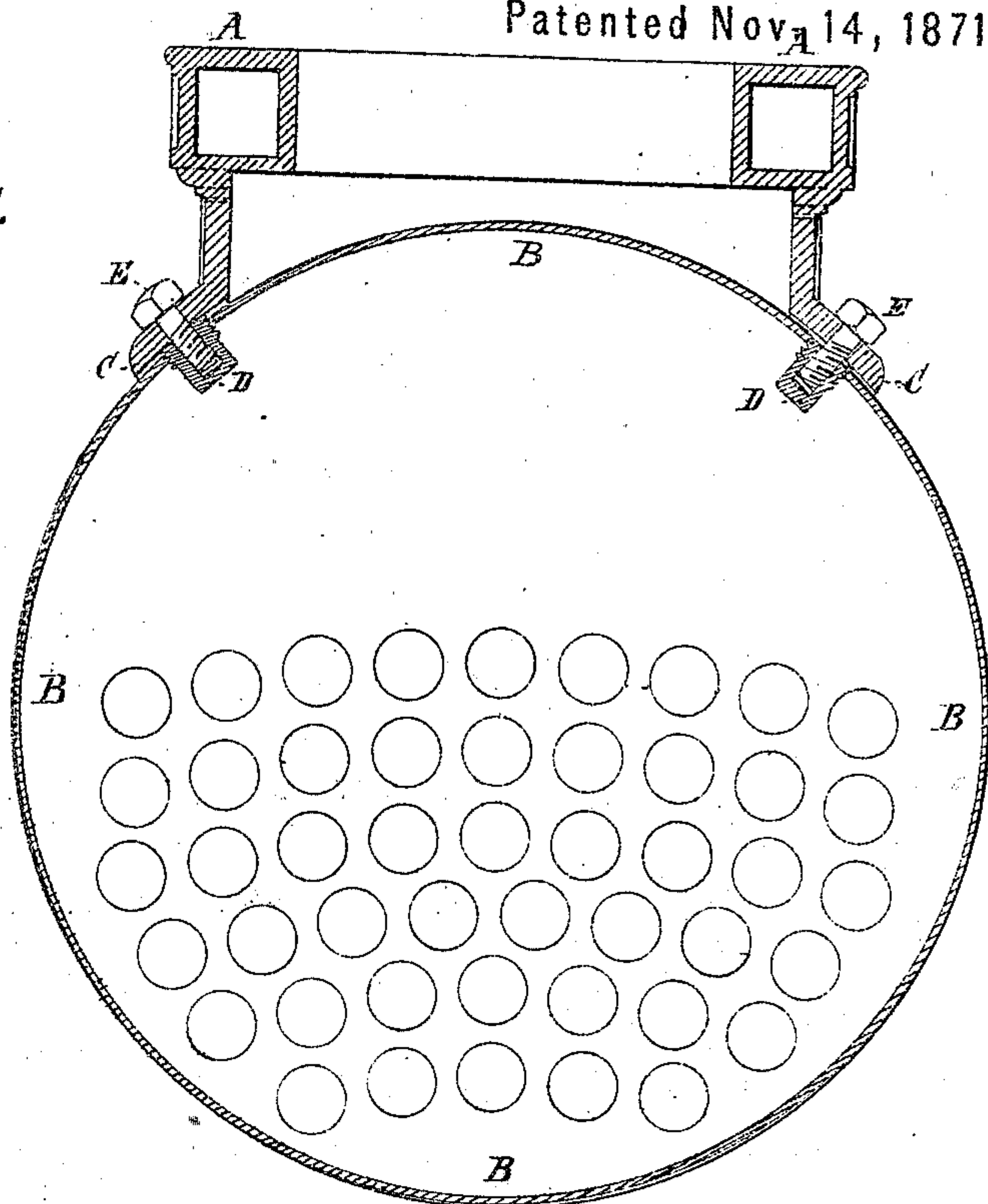
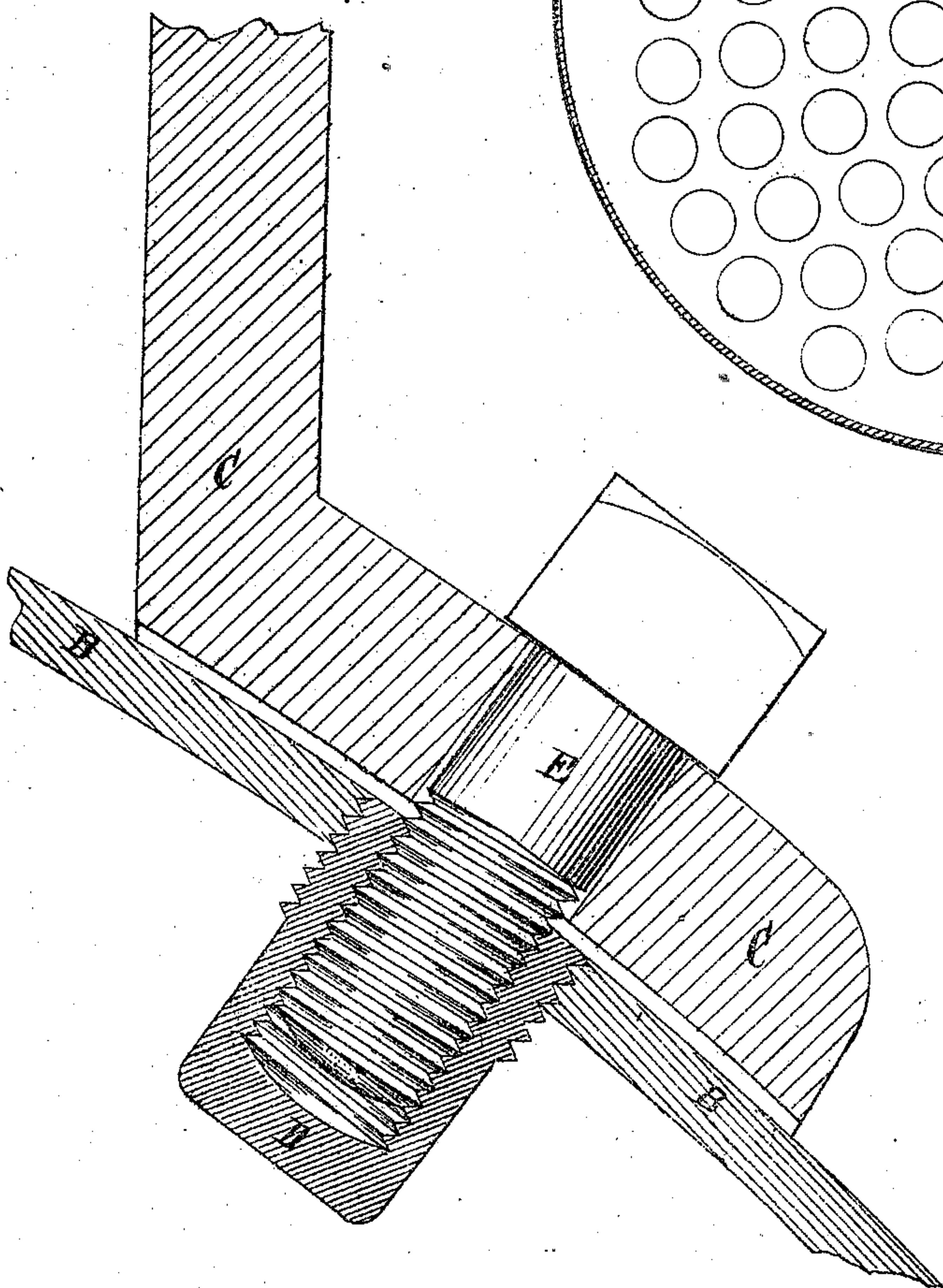


Fig.2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALLAN TALBOTT, OF RICHMOND, VIRGINIA.

IMPROVEMENT IN THIMBLES FOR MAKING ATTACHMENTS TO STEAM-BOILERS.

Specification forming part of Letters Patent No. 121,017, dated November 14, 1871.

To all whom it may concern:

Be it known that I, ALLAN TALBOTT, of Richmond, in the county of Henrico, and State of Virginia, have invented certain Improvements in Means for Making Attachments to Steam-Boilers, of which the following is a specification:

My invention consists in an improvement in the means for making attachments to steam-boilers, as hereinafter fully described and subsequently pointed out in the claim.

Figure 1 is a transverse section through the waist of a boiler and engine-frame. Fig. 2 is an enlarged or full-size view of a portion of same, of which—

A represents engine-frame; B, the boiler-plate; and C, the feet or flanges of the engine-frame. D are bushings or thimbles with solid bottoms, and E the securing-bolts. The bushings D are screwed or riveted securely into the boiler-plate and become a part of the boiler. The bolts E, passing through the foot or flange or whatever is to be secured, are screwed into the bushings D. By this method the bolts are protected from the action of steam and water, thereby preventing leaks, either by the bolts rusting or eating

out or by their becoming loose from any strain that may be put upon them. The bolts have longer thread-bearings than can be obtained by the usual methods, and being protected from oxidation they can be removed, after being screwed in for any length of time, without breaking the bolts or stripping the threads.

The invention is particularly adapted for use in making attachments to steam-boilers which leak around the bolts, owing to their threads being eaten away or their becoming loose, as by the use of the bushing the same size bolt can be used, thus obviating the necessity of drilling a larger hole in the portions connected for the purpose of putting in a larger bolt, as is usual.

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

The bushings or thimbles with solid bottoms, screwed or riveted into boilers, substantially as and for the purpose set forth.

ALLAN TALBOTT.

Witnesses:

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