

# Lloyd's Register of Shipping.

95, Bothwell Street,

Glasgow, C.2.

Reports enclosed

RECEIVED

12 DEC 1952

11th December, 1952.

reference

assn(S)

Dear Sir,

Ans.....

T. S. S. "TAROONA"

I duly received your letter of the 26th ultimo relating to defects which appeared in the superheater drum of the starboard boiler of the above vessel, and have to acquaint you that the deferred reports have now been carefully studied and the matter has been discussed by Mr. Thomas with Messrs. Alex. Stephen & Sons Ltd., the Builders, and Messrs. Yarrow & Co. Ltd., the Boiler Designers.

Messrs. Yarrow did not appear to have any previous knowledge of the defects, and it is many years since they constructed a superheater of similar design. They consider the trouble is due to ligament weakness possibly caused by drilling the stud holes too deep, although they have taken very careful note of the point and will not repeat the form of construction in a drum of similar thickness.

It is considered that with a thicker shell the trouble would not have arisen, as the present practice of securing the baffle plate is much the same. A nut welded to the inner surface of the drum to accommodate the stud would seem to be an acceptable solution, and this will be considered by Messrs. Yarrow.

A plan showing the superheater drum in question is enclosed herewith, together with a further plan showing the attachment of baffle plates in an intermediate drum of a Foster Wheeler type boiler. This confirms that the practice is not limited to one design of boiler, although conditions may be more favourable in the latter case.

Should it be considered advisable that the welded nut/



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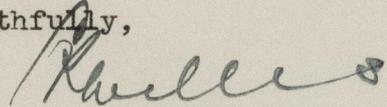
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nut type of attachment be adopted in the Foster Wheeler type boilers at present under construction, this could be arranged provided the alteration is agreed to by Messrs. Foster Wheeler and this Office advised at the earliest possible moment.

X The deferred reports enclosed with your letter are returned herewith.

Yours faithfully,



Secretary to the  
Scottish Committee.

The Secretary,  
LONDON.



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