

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Enclosure.

12th June, 1936.

Dear Sir,

Messrs. Howaldtswerke's Yard No. 756.

E. I return herewith one copy of the plan, advised in your letter of the 4th instant, of cylindrical boiler proposed for the above vessel and with regard thereto I have to inform you that this plan will be approved/for a working pressure of 16 kg. per sq. cm., provided the conditions set forth below be complied with and the boiler be constructed under the usual conditions of survey and testing:-

1. The diameter of the rivet holes in the longitudinal seam to be increased to 37.5 mm, and the width of the butt straps to be not less than 538 mm. with spacing of rivet rows according to the Rules, the pitch being unchanged; or, alternatively, other means to be taken to increase the joint strength to not less than 84.4%.
2. The diameter of the rivet holes in the end circumferential seam to be increased to 36.5 mm., the pitch remaining unchanged; or, alternatively, other means to be taken to increase the joint strength to not less than 42%.
3. The ultimate tensile strength of the furnace plates to be not less than 39 kg. per sq. cm.
4. The position of the two centre longitudinal stays in the top row to be 15 mm. lower, as shown on plan.
5. The pitch of the end rivets in the outer row of the manhole compensation plate to be not less than 226 mm., as shown on plan.
6. The range of ultimate tensile strength not to exceed 6.3 kg. per sq. mm.

A. Chisholm, Esq.,

HAMBURG.

I am, Dear Sir,  
Yours faithfully,

Secretary.

W21-0184 (1/2)

IT IS SUBMITTED the plan of cylindrical boiler as shown and amended merits approval for a working pressure of 16 Kgs per sq. cm., provided the following conditions be complied with, and the boiler be constructed under the usual conditions of survey and testing.

The diameter of the rivet holes in the longitudinal seam to be increased to 37.5 mm., ~~with diameter of rivets to suit~~, and the width of the butt straps to be not less than 538 mm. with spacing of rivet rows according to the Rules, the pitch being unchanged; or, alternatively, other means to be taken to increase the joint strength to not less than 84.4%

The diameter of the rivet holes in the end circumferential seam to be increased to 36.5 mm., ~~with diameter of rivets to suit~~, the pitch remaining unchanged; or alternatively, other means to be taken to increase the joint strength to not less than 42%.

The ultimate tensile strength of the furnace plates to be not less than 39 Kgs per sq. cm.

The position of the two centre longitudinal stays in the top row to be 15 mm. lower, as shown on plan,

The pitch of the end rivets in the outer row of the manhole compensation plate to be not less than 226 mm. as shown on plan.

<sup>range of</sup>  
The ~~variation in~~ ultimate tensile strength of ~~any one~~ plate not to exceed 6.3 Kgs per sq. mm.

Return plan.  
Retain copy.

*WDA*

*ML*

*R.M.*

11th June, 1936.

*25/12/36*



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Lloyd's Register  
Foundation

(2/2) W21-0184