

COPY.

H.
Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

Enclosure.

18th May, 1932.

Dear Sirs,

I duly received Mr. Leeuwenburg's letter of the 10th instant enclosing a plan in duplicate showing proposed strengthening of watertight centre line bulkhead in the fore and after deep tanks of the Steamers "MADOERA", "MANOERAN" and "MAPIA", and have to acquaint you that the contents have been noted.

With regard thereto I am directed to state that the scantlings and arrangements as shown and amended on the plan will be approved, provided they be carried out to your satisfaction.

It is assumed that when oil is carried, the deep tanks will always be full, in which case horizontal girders need not be fitted on the ships' sides or on the end bulkheads. The latter bulkheads should, however, be additionally stiffened by fitting a web frame 30 inches deep with a 5 x 3 x .40" face bar, in line with the existing quarter girders.

If it is intended to use the deep tanks for the carriage of vegetable oil at the same time as oil is carried in the double bottom below, the single riveted seams of the tank top plating should be reinforced by electric welding.

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"MADOERA" &c.

If, however, it is intended to carry fuel oil in the deep tanks no reinforcement need be fitted to the seams of the tank top plating, but the single riveted seams, butts and boundary angles of the decks will require to be reinforced by electric welding.

It is noted that it is intended to use the fore peak tank for the carriage of oil as cargo. If the oil to be carried is fuel oil, the single riveted seams and butts of the bulkhead plating should be reinforced by electric welding.

In the case of both the deep tanks and the fore peak tank, the requirements of Section 20 of the Rules in respect of lining and gútters should be complied with.

Further, a cofferdam should be formed between the fore peak tank and No.1 double bottom tank if it is still intended to use the latter for the carriage of boiler feed water, and details of the proposed amendments to the pumping arrangements should be forwarded for consideration.

One copy of the plan in question is returned herewith, and the duplicate is being retained for reference.

I am, Dear Sirs,

Yours faithfully,

The Surveyors,

ROTTERDAM.



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Foundation

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