

S.S. "FRATERNITAS".  
-----Dimensions:- 470' x 58' x 35.41'  
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This vessel, which has two decks, also poop, bridge and forecastle, was built in 1905 by Messrs. Harland & Wolff, Ltd. and classed 100A1. In 1923 modifications were carried out to permit of the carriage of whale oil below the second deck, and on completion of these alterations the class was amended to 100A1 "Carrying Whale Oil in Bulk".

The 2nd.S.S.No.3 was carried out at Newcastle in 7.30, and the vessel is at present laid up under the usual undertaking.

A proposal to fill in the wells, thus forming a complete superstructure erection, and to arrange a skidway at the after end, was dealt with on the 5th instant.

A further letter has now been received from the Gothenburg Surveyors stating that the additional strengthening indicated on the plans dealt with on the 5th instant will be effected, and that a detail plan of the proposed pillars and girders will shortly be submitted for approval. In the meantime the Owners desire to be informed of the minimum freeboard which could be assigned to this vessel, and also of the additional strengthening to the hull which would be required.

It is submitted the Surveyors be informed that as, among other items, the bulkheads of the oil tanks are not carried up to the freeboard deck, tanker freeboards cannot be assigned, but if a superstructure as proposed is fitted for the whole length of the vessel with scantlings as shewn and amended on the plan submitted, <sup>and approved on the 5th inst.</sup> but the thickness of the superstructure deck made .48, instead of .40, the minimum freeboard which could be assigned as for a cargo vessel would be that corresponding to a summer moulded draught of about 29 feet. This freeboard has been computed on the assumption that the round of beam of the superstructure deck would be at least the same as that of the freeboard deck, that the minimum height of the superstructure



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would be 7'-0" with 3" sheathing thereon, and that all openings in the superstructure deck, would be closed by companionways or hatchways with efficient closing appliances, and that any openings in the sides of the superstructure would be closed weathertight.

With the scantlings of the superstructure as shewn and amended on the plan approved on the 5th instant, but the superstructure in all other respects fulfilling the conditions indicated above, a freeboard corresponding to a summer moulded draught of about 28'-5" could be assigned.

When the alterations are effected full particulars should be supplied on form C.11 for freeboard assignment.

The Surveyors will require to satisfy themselves in all respects regarding the condition of the main hull structure.

Ltr. 15.6.36.

Ansd. 24.6.36.

24. 6. 36.



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