

Steel Screw Steamers Nos.405/6 proposed to be built by the Northumberland Shipbuilding Co., Ltd., and Yard No.631 proposed to be built by the Fairfield Shipbuilding & Engineering Co., Ltd., with a view to class 100A1 "With Freeboard".

Owners: Messrs. Haldin & Co.

Rule Dimensions: 419.41 x 56.16 x 36.375 to <sup>upper</sup> ~~lower~~ deck  
28.375 to ~~upper~~ deck.

Scantling Numbers: 15253 and 38808 <sup>Secma</sup>

Proportions: Length = 11.5 depths to upper deck.

Plans of midship section and profile and decks (in duplicate) submitted by the Newcastle Surveyors, together with a letter from the Builders regarding the case.

For bulkhead omission see separate endorsement.

The Builders state in their letter that the vessels are to be built with a tonnage opening, but they are required to be specially strengthened as required to obtain a moulded draught of 26'-10" with the tonnage opening closed.

This draught is intermediate between that for a full scantling and for a complete superstructure ship, and the scantlings have been dealt with accordingly as provided for in the Rules.

The Fairfield Shipbuilding & Engineering Co., Ltd., are to build a duplicate vessel (Yard No.631) from the plans approved for the Northumberland Shipbuilding Co.

The plans have been discussed in this Office with Mr. Kinghorn, the Owners' representative.

The Builders have already been informed by wire of the scantlings of the keel and centre girder.



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It is submitted that provided

Compliance

the vessels will be worthy to be classed 100A1 with a freeboard not exceeding that contemplated by the Rules for a complete superstructure ship having a tonnage opening.

It might be pointed out that if at any time it is desired to close the tonnage opening, the scantlings and arrangements are such as would entitle the vessels to obtain a moulded draught of 26'-10".

It is noted that plans of strengthening of bottom forward, arrangements to prevent panting, engine and boiler casings and after peak tank will be submitted for consideration. A plan of pillars and girders should also be submitted.

It is also observed that copies of the approved plans will be forwarded to this Office for the use of the Society's Surveyors at Glasgow.

7.12.27.



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