

M.V. "CLYDEFIELD".

Existing Dimensions:- 420' x 57.5' x 32.75'

Proposed Dimensions:- 450.5' x 57.5' x 32.75'

" Proportions:- Length = 13.75 depths.

This vessel was built in 1928 and is classed 100A1 "Carrying Petroleum in Bulk" "Longitudinal framing at bottom and deck". She is of the single deck type with two continuous longitudinal bulkheads for the length of the cargo tanks.

A letter has been received from Messrs. Cammell Laird & Co.Ltd., stating that the Owners are considering the possibility of lengthening the vessel by 30'-6". The additional length will be introduced between either Nos. 4 and 5 or Nos.5 and 6 tanks, the existing deck erections remaining unaltered.

The Builders desire to know the additional strengthening which will be required on account of these modifications, the minimum freeboard corresponding to the increased length being assigned. They also request to be informed of the minimum freeboard which could be assigned assuming no additional strengthening is fitted.

The scantlings and arrangements of the vessel as built have been examined, and it is found that in several respects, particularly the thickness of the deck plating and stringer, also the thickness of the longitudinal bulkhead plating, they are in excess of the Society's minimum requirements, and a section modulus calculation shews that the standard of longitudinal strength is equivalent to that represented by the practice of the Committee for the increased length.

It is submitted the Builders be informed accordingly, and that in the circumstances no additional strengthening will be required if the vessel be lengthened as proposed, the minimum freeboard corresponding to the increased length being assigned.

The scantlings of the new portion should be made the same as those originally fitted in the ship.

In the above circumstances the second question raised

by the Builders does not arise.


The addition to the length has the effect, however, of increasing the equipment number by one grade, and it will be necessary to increase the equipment on board to be ^{equivalent} ~~in~~ ~~accordance with~~ ^{to that required for} letter b† Table 53 of the Rules. If the proposal is to be proceeded with particulars shewing the Builders, or Owners, proposals in this respect should be submitted.

The increase in length will involve a reduction of about 6 inches in the existing draughts.

Mr. 19/2/35
Ans'd. 25/2/35.
P.C. Dir.



25. 3. 35.



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