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Steamers "MANGALORE" and "MATHURA".

Dimensions:- 518' x 63.6' x 38.31'

These vessels are owned by Messrs. T. & J. Brocklebank Ltd., and are classed 100A1. They are of the two deck type, with poop, bridge and forecastle.

The Middlesbrough Surveyors state that Messrs. Smith's Dock Co. Ltd., have been invited by the Owners, through Messrs. A. Goodwin-Hamilton & Adamson Ltd., to tender for alteration of these ships, consisting of reducing the length by 37'-6" by omitting a section of the vessel between frames 111 and 126, the stokehold bulkhead ~~and~~ ^{on the} former frame being retained intact but the deep tank between frames 126 and 140 ~~being~~ dispensed with. Due to bringing the two portions together there will be a difference in the sheer of $5\frac{1}{2}$ " , with a consequent abrupt step in each deck. The Surveyors desire to know what compensation will be required in way of these steps.

All three decks are required by the Rules. It is considered, however, that as the position of the second deck approximates to the neutral axis of the ship the step in this deck could be approved as proposed, provided larger brackets be fitted connecting the bulkhead stiffeners to the deck, and, in addition, similar brackets be fitted on the after side of the bulkhead outside the breadth of the machinery openings.

The proposal, however, to step the upper and bridge decks, ~~which form the strength member of the vessel~~, cannot be recommended for approval, and it is suggested that these decks be sloped over a reasonable distance so that their efficiency in respect of longitudinal strength will not be impaired, and a sketch shewing the Builders' proposals in this respect should be submitted.

The proposals in regard to the modification of the shell plating could be approved.

No objection would be raised to cropping the tank top plating just forward of frame 111 and between frames 128 & 129,

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and communicating the new membership placing with a trouble

divided lap.

It is submitted the surveyors be informed accordingly.

24. 10. 24.

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