

Messrs. Aalborg Vaerft's Yard No. 64.

Twin Screw Motor Ship to be built for Messrs. J. Lauritzen.

Plan of stern frame submitted by the Copenhagen
Surveyors.

It is submitted the Surveyors be informed that the scantlings and arrangements as shewn and amended will be approved, provided they be carried out to their satisfaction.

The diameter of the rudder head has also been amended to conform to the usual practice in this Office, taking account of ~~the~~ bending and twisting and using as a basis the form of the rudder shewn on the plan. The amended diameter also takes into account the increase required by the Rules for vessels having the notation "Strengthened for Navigation in Ice".

In determining the bending moment it has been assumed that the rudder is "fixed" at the upper bearing and "supported" at the lower gudgeon.

In reply to the Surveyors' enquiry contained in the 5th paragraph of their letter they should be informed that no exception would be taken to the proposal to fit the rudder coupling in the position shewn, and, as desired, a memorandum shewing the method adopted in this Office for determining the scantlings of the coupling is enclosed.

Mr. Hodgson's views in regard to the bottom pintle are concurred in.

There is no experience in this Office as to the behaviour of "bakelite" used as a bush for rudder bearings, and the Surveyors might, in the first place, ascertain if it has been used by the Owners for the same purpose in similar cases with satisfactory results, and, if so, forward particulars of such cases.

*Re. 5.3.39
Recd. 16.3.39
1/plan*



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