

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.

*Di. 5.3.39
Recd. 16.3.39
1/plan*



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Lloyd's Register
Foundation

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