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Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

ENCLOSURES.

16th March, 1939.

Dear Sirs,

M.

I duly received Mr. Hodgson's letter of the 8th instant enclosing a plan of stern frame for Messrs. Aalborg Vaerft's Yard No. 64, and I have also received your telegram of to-day pressing for the approval of this plan.

With regard thereto I have to state that the scantlings and arrangements as shewn and amended on the plan will be approved, provided they be carried out to your satisfaction.

The diameter of the rudder head has also been amended to conform to the usual practice in this Office, taking account of 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 5th paragraph of Mr. Hodgson's letter I have to inform you 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

W175-0155(112)

COPY.

No. 64.

- 2 -

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 in the first place I shall be glad if you will 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.

The plan in question is returned herewith.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,
COPENHAGEN.



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Foundation

W175-0155(2/2)