

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

4 ENCLOSURES.

13th March, 1940.

Dear Sir,

I duly received your letter of the 5th instant enclosing a preliminary plan, in triplicate, of fabricated stern frame for Messrs. Lithgows' "Y" type vessels, and with regard thereto I have to state that the plan has been carefully examined, and it is considered that before the proposed arrangements could be recommended for approval a number of modifications will require to be made covering the following :-

- (1) The strength of both the propeller and rudder posts is not equal to the standard of the Rules, and practice of the Committee, and it is suggested that the form be modified more on the lines indicated in yellow on the plan. The thicknesses will also require to be increased. The alteration in the form will also permit of better riveting being obtained in the connections, including the gudgeon attachments.
- (2) There is a deficiency in strength in the arch of the post and a suggestion as to how this can be met is also indicated on the plan.
- (3) It is agreed that the attachment of the plate back post to the top casting is deficient, but this might be overcome by welding the upper edge.
- (4) The arrangement at the foot of the propeller post has the following undesirable features :-
 - (a) It will be extremely difficult to ensure a perfect fit of the plate post into the proposed recess of the sole piece casting.
 - (b) The abrupt change in section in way of the recess is liable to be a source of weakness.
 - (c) The riveted attachment is deficient, and further it is thought that considerable difficulty will be experienced in obtaining sound riveting. In these circumstances it is suggested the design at this part be reconsidered.

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Lithgows' "Y" type.

- 2 -

- (5) As in previous similar cases some of the horizontal diaphragms should be carried to the adjacent floor and be attached thereto to provide greater rigidity.

I shall be glad if you will arrange for these matters to be discussed with the Builders with a view to a modified plan being submitted.

Two copies of the plan, together with the two plans sent for reference, are returned herewith, and the remaining copy is being retained for record.

I am, Dear Sir,

Yours faithfully,

Secretary.

The Secretary,

GLASGOW.

P.S. At the same time I have to acknowledge the receipt of your telegram of to-day reading as follows :-

"LITHGOWS Y TYPE VESSELS MY LETTER 5TH INST BUILDERS
"PRESSING FOR PLAN STEANFRAME".



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Foundation

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