

Messrs. Lithgow's "Y" Type Vessels

Alternative plan of fabricated stern frame
submitted by the Glasgow Surveyors.

It is submitted the Surveyors be informed
that while the scantlings and arrangements generally
are such as could be recommended for approval, the
following points will require to be further considered:-

- (1) The section of the after post in the region of the propeller should be modified. If possible the minimum fore and aft dimension of $10\frac{1}{2}$ " should be increased, and the increase from this breadth to the maximum of 2' should be made more gradually as indicated in yellow on the sketch. This is the more desirable in view of the arrangements proposed for maintaining the strength at this part by means of a strap, 2" in thickness. ~~The welded attachments of this strap proposed to be fitted in way of the recess~~ are not considered sufficient to develop this material effectively, and additional welding should be provided in the body of the strap.
- (2) The connection of the after post to the counter is inadequate, and it is suggested the after portion of this post should be extended continuously to the top of the transom and be efficiently attached thereto.
- (3) Back welds should be provided at all welded connections. This applies particularly to the lower part of the propeller post where outside welds only are proposed, excepting at the coffin plate.
- (4) The Surveyors will require to satisfy themselves that an adequate connection can be obtained between the plate forming the arch of the stern frame and that forming the upper part of the propeller post. This can only be determined from a model of this part.

The Surveyors should discuss these matters
with the Builders with a view to a modified plan being
submitted.

Lt. 18.3.40

And. 3.4.40

2 plans retained

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Lloyds Register
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W1169-0168