

Messrs. Sir James Laing & Sons' No. 721.

Sketch shewing attachment of hatch end beams to main frames at second deck submitted, in triplicate, by the Sunderland Surveyors.

It is submitted the Surveyors be informed that the minimum standards of strength of the hatch end beams are those represented by the scantlings as shewn and amended on the profile plan. With the beams tapered to the ship's sides as proposed on the sketch now forwarded the strength of the beam at the toe of the ship's side brackets is considerably below the required standard; further, with the type of bracket connection proposed the strength ~~down~~ through a line at the outer edge of the butt, ~~through the line at the outer edge of the butt~~, i.e. through the bracket, is only about 25% of that required. It will therefore be necessary for the design of the beams to be modified so that the required standards of strength are maintained.

It should also be added that if a butt is arranged in the vicinity of the centre line the horizontal flange as well as the vertical flange should be efficiently strapped.

The plan should be returned for reconsideration by the Builders.

Ltr. 8.11.37.
Ansd. 9.11.37.
3 plans



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