

S.S. "AVISMERE"

Bottom Plating.

Swansea Surveyors letter 13.8.48 and Mr. Balbirnie's letter 11.8.48

Submitted the Swansea Surveyors be advised as follows:-

If the bottom plating is renewed with riveted construction including shell seams and bottom angles on centre girder, floors, intermediate floors, and side girders ~~the~~ scantlings should be as follows:-

Keel plating 52½" x .80" for half length to .70".

Bottom plating .62 ~~to~~ .50.

Centre girder bottom angles double 5 x 5 x .54/.50

Bottom angles on floors, intermediate floors and side girder 3½ x 3½ x .45

Vertical flange of bottom angles to be increased if necessary to provide landing on the floor plates etc.

With regard to the alternative suggestion contained in the second paragraph of the Surveyors' letter they should be informed that riveted butts on new strakes in conjunction with welded butts on the retained strakes is not considered satisfactory, and furthermore the outside seam overlap of the garboard strake in conjunction with an inside keel plate is objectionable when dry docking, since keel blocks may indent this landing before the weight of the ship is taken by the centre girder. No objection will be taken to inside riveted butts ~~strakes~~ <sup>strips</sup> provided care is taken in fitting, but a detailed plan should be submitted.

It is further submitted Mr. Balbirnie be furnished with a copy of the above letter and advised that if the bottom be dealt with as proposed with riveted construction and as set forth in the above letter the arrangements can be approved.

The following alternative as already suggested to him might also be considered. The bottom plating, where buckled greater than ⅜", to be removed and faired and four lines of longitudinal intercostal stiffeners fitted to the bottom plating on each side for half length amidships at distances of about 6, 9, 16 and 19 feet from the centre line. These stiffeners, which should be connected to the floors, to be 8" x 3½" x ½" bulb angle if riveted or 6" x 3" x ½" ordinary angle toe welded. With this proposal it is recommended that the replaced shell plates be connected to intermediate floors and side girder by riveted angles.

copy of letter to Mr. Balbirnie  
to Sw. Surv.

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Lloyd's Register  
Foundation  
26.8.48  
8720 129300 003639-0248

Special Damage or Repair Fee (if any)	21	-	-	4-12-1948
Modifications & Stiffening	84	-	-	
Travelling Expenses (if chargeable)	12	-	-	

Received by me,