

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 $52\frac{1}{2}$ " 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 $3\frac{1}{2}$ x $3\frac{1}{2}$ 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 ships
is taken by the centre girder. No objection will
be taken to inside riveted butts ~~strakes~~ ^{drops} 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 $\frac{3}{8}$ ", 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 $3\frac{1}{2}$ " x $\frac{1}{2}$ " bulb angle if riveted
or 6" x 3" x $\frac{1}{2}$ " 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. Syria

Special Damage or Repair Fee (if any) _____

Modifications & Stiffening _____

Travelling Expenses (if chargeable) _____

21 : - : -

84 : - : -

12 : - : -

4-12-1948

Received by me,

26.8.48

Lloyd's Register
Foundation

8720-003639-0248