

S. S. PRIOR.

This Vessel is classed **A1*** in the late Underwriters Registry, but the owners are now desirous of having her classed 100 A1 in this Society.

On comparing her scantling with the Rules for the spar deck class which were in force at the time she was built, it is found that the floors, frames and reversed frames are heavier than required, but the reversed frames only extend to the main deck stringer, and the lower deck stringer alternately, instead of to the main and spar deck alternately. As part compensation for this deficiency an intercostal stringer is fitted between the main and spar decks, and it is submitted that if a series of web frames be fitted in the lower tween decks, about 12 feet apart, the same might be accepted as compensation for the deficiency in the alternate reversed frames being only extended to the lower deck instead of to the spar deck as contemplated by the Rules.

There is one stake in the flat of bottom which is $\frac{1}{16}$ thicker than required.

The main sheer stake is $\frac{2}{16}$ thin, and the spar deck sheer stake is $\frac{1}{16}$ deficient, but the stake between is $\frac{1}{16}$ thicker amidship.

The main deck stringer is $\frac{1}{16}$ thin, and somewhat deficient in breadth, and is connected to the shell only, by short angle irons between the frames, the continuous angle irons on the inside of the reversed frames being omitted.

The main stringer plate is double riveted instead of treble for half length amidship.

It is submitted that with a view to compensate for the deficiencies in the topside plating and

main stringer plate, the stroke of plating above the main sheer stroke be doubled for about half the Vessel's length.

The equipment of the Vessel is fully equal to the Rules.

It is therefore submitted that on the satisfactory completion of the above recommendations the Vessel would be worthy of the Committee's favourable consideration for the 100 A1 Class.

Chas. H. Jordan
15-10-86

We concur in the above recommendations.

W. M.

16/10/86

D.



© 2019

Lloyd's Register
Foundation