

"Bernatic". $\frac{758}{871}$ tons passed A. I. for 14 yrs.

It appears that the wood materials and fastenings would stand for the 16 A. grade. There are, however, the following deficiencies without any compensations; besides others named in the accompanying Table, which are considered to be compensated for as described therein:- viz:-

Fore and after deadwood plates $\frac{1}{16}$ in thin. Keelson - foundation - plate $1\frac{3}{4} \times \frac{7}{16}$ and Riding - plate $10\frac{3}{4} \times \frac{7}{16}$ - both omitted. The $9 \times 10\frac{1}{16}$ Bulb-iron beside Intercostal Keelson is omitted and also the Bulb-iron required for the Bilge-Keelson. The Sheerstrake-planks are $\frac{1}{4}$ in thin. and the Iron Sheerstrakes are also $\frac{1}{16}$ thin. The upper deck Stringer Tie, and diagonal-plates are each $\frac{1}{16}$ thin, which deficiencies are partially compensated for, by the Beams being $\frac{1}{16}$ thicker than required. The Hold Beam Stringers are $2\frac{1}{4}$ in too narrow, but $\frac{1}{16}$ thick, and the Tie-plates are also $\frac{1}{16}$ thin.

The Hold-beam-pillars are $\frac{1}{8}$ too small. The Butt-strap to Plating $\frac{1}{16}$ thin and Butt-plates to outside plating $2\frac{1}{16}$ to $4\frac{1}{16}$ thin.



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Lloyd's Register
Foundation

SLD937-0129