

of "New Brighton"

This vessel & machinery was constructed by Messrs Harland & Wolff Ltd. Belfast, & the boilers by Messrs Babcock & Wilcox Ltd. Glasgow.

The machinery consists of two Curtis Steam Turbines geared to one Screw shaft designed for a speed of 3500 revolutions reduced to 78 revolutions for the propeller and to develop 2900 Shaft Horse Power whilst using all the twenty steam nozzles of the turbines.

The Belfast Surveyors now forward the first entry report on the machinery, in which they state that owing to the high tooth pressure on the double reduction gear it was decided to limit the power to be transmitted, accordingly ten of the twenty steam nozzles have been blanked off, reducing the revolutions of the turbines to 3220 and the propeller to 72 per minute and reducing the shaft horse power to 1500.

On the Official trial trip the machinery worked satisfactorily under these conditions and the Surveyors recommend the vessel as eligible for the record of +LMC 1.20.

It is stated that the fitting of a complete new set of reduction gear at a later date is contemplated.

It is submitted that
this vessel is eligible for
THE RECORD. + LMC 1.20. F.D.

2 Steam Turbines geared to 1 Screw Shaft.

3 Water Tube Boilers.

Subject to the Water Tube Boiler
being surveyed annually.

The Belfast Surveyors should be informed
that it is concluded the screw shaft is fitted with
continuous lines, and they should state if this is so.

Lloyd's Register
Foundation

W1334-0116