

LONDON

8th July, 1921.

E. J. STODDART

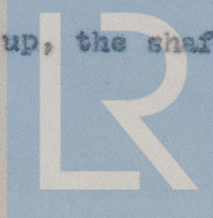
the Ministry of Shipping attend on board the ex-German twin screw Steamer "TIRPITZ" on the 16th March 1921 and subsequent dates, whilst afloat in the dock at Immingham, for the purpose of inspecting such parts of the propelling machinery, boilers and auxiliaries, which it was considered should be opened up and overhauled before proceeding to the Tyne for drydocking purposes.

The main boilers were opened up and examined, and owing to their rusty and dirty condition were thoroughly cleaned before closing up.

The steam turbines were partly examined by removing manhole doors and the general condition and blade clearances were found satisfactory.

The thrust block of the starboard turbine shaft was overhauled and shoes removed, edges of worn bearing surfaces on after sides of shoes were dressed away and oil grooves re-cut; the shaft collars dressed up, the thrust block cleaned out and oil service overhauled.

The main bearings on the starboard turbine shaft were removed and metal dressed up, the shaft scraped and stoned



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up where found in rusty condition at bearings and the bearings replaced.

The wear in a forward direction on the thrust shoes for both turbine shafts is  $1/10$ th of an inch.

The top halves of both transformer casings were lifted, the condition of the fixed and running wheels in connexion with turbine and screw shafting was found satisfactory, the casing joints were partly remade and casings replaced.

The general scantlings of the transformers were compared with those shewn on the blue print on board and were found to agree.

A number of minor repairs were effected, and the oil tanks cleared and refilled, and on the 13th April a steam trial of the Machinery main and auxiliary was successfully carried out in the dock.

As the machinery was considered to be in satisfactory condition for the proposed run to the Tyne, arrangements were accordingly made, but were subsequently cancelled owing to the coal strike and the threatened strike of railway and transport workers.

*E. J. Hoddart.*

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