

COPY.

BELFAST.

January, 1925.

THIS IS TO CERTIFY THAT

H.P. SOUTHWELL

the undersigned Surveyor to this Society did at the request of the Owners' Superintendent attend on board the steamer "LORD ANTRIM", 4,333 tons gross on the 11th August 1924, and subsequently, while afloat in the York Lock and in the Alexandra Graving Dock Belfast, for the purpose of ascertaining the nature and extent of damage to the machinery alleged to have been sustained by vessel stranding in Lough Foyle between July 31st and August 3rd 1924.

It is stated in the Log Books that while endeavouring to refloat the vessel the engines were frequently stopped by the condenser becoming choked with sand, and further, that owing to all the tanks having been emptied to lighten the vessel, the boilers were fed with salt water during this time.

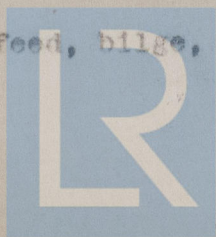
It was accordingly recommended:-

That the main boilers be cleaned and scaled internally and all mountings opened up and ground in, and that the main boilers and their mountings be examined throughout.

That all main steam and feed pipes be annealed and tested.

That all main and auxiliary condenser tubes be removed and tested and renewed as found necessary, and the 2 condensers be afterwards tested and made tight.

That all traces of sand and mud be removed from the main and auxiliary condensers, the air, feed, bilge, ballast and the



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main and auxiliary circulating pumps and their connections and pipe lines.

That all cylinders, pistons and valves, crank, thrust and intermediate shafting, and the air, circulating, feed, bilge, ballast, General service, and the main and auxiliary circulating pumps be opened up, and the screwshaft be drawn in for examination

That all ship side mountings and the sea connections be opened up, cleared of sand and mud, and examined.

The undersigned Surveyor

FOUND.

The H.P. piston rod somewhat scored.

All main feed and bilge pump rams, and the rods of the air pump and main circulating pump and all pump suction and delivery valves somewhat scored.

Auxiliary condenser circulating pump buckets, rods, and the pump liners badly scored and worn.

Wood lining of stern bush heavily worn.

All sea suction valves and their seats scored.

RECOMMENDED.

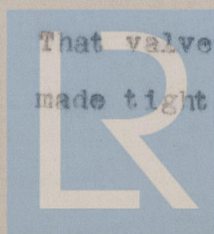
That the H.P. rod be trued up in lathe, and the metallic packing renewed. The M.P. and L.P. metallic packing be cleaned and re-adjusted.

All main feed and bilge pump rams be trued up in lathe and rebushed. All suction and delivery valves be overhauled and made tight, and all glands repacked. All pump link and lever bearings and brasses be readjusted.

That the buckets, rods and liners be renewed, or alternatively, that the water ends with their working parts be entirely renewed.

That wood lining be renewed as necessary.

That valves be ground in and made tight.



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The above recommendations were made in order to place the machinery of this vessel in the same condition as before the alleged stranding occurred.

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H. P. Southwell

Surveyor to Lloyd's Register of Shipping.



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