

Report of Survey

Writing Report Nov. 4th 1919
Survey held at Liverpool

2 on the Machinery of the Wood, Iron or Steel
Gross 209
Net 84
Engines made at Northwich
Boilers, when made (Main) " " " "
Owners Manchester, Lpool & N. Wales
Surveyed Afloat or in Dry Dock (State name of Dock.)

Report No. Port
Particulars of Examination and Repairs (if any) L.M.

General Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State the nature and extent of Examinations and subsequent Repairs. If of Damage (the cause of which must be stated) should be separated from Repairs due to other causes. Being detailed in the body of the report, should be briefly summarised at the end of the report. State the date and initials of any letters respecting this case.

Was a damage report made by anyone else? If so, by whom? Yes

Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

Donkey " " " " " "

Was not done, state for what reasons? Yes

At what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? Yes

Surveyor examine the Safety Valves of the Main Boiler? To what pressure were they afterwards adjusted under steam? 125 lbs

Surveyor examine the Safety Valves of Donkey Boiler? To what pressure were they afterwards adjusted under steam?

Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? and of the Donkey Boiler? Yes

Surveyor examine the drain plugs of the Main Boilers? and of the Donkey Boiler? None

Surveyor examine all the mountings of the Main Boilers? and of the Donkey Boiler? Yes

Screw shaft now been drawn and examined? Is it fitted with continuous liner? Yes or two liners? or is it without liners?

Shaft now been changed? No If so, state reasons

Shaft now fitted new? No Has it a continuous liner? or two liners? or is it without liners?

Distance between lignum vitae of stern bush and top of after bearing of screw shaft? Re-wooded

If survey is not complete state what arrangements have been made for its completion and what remains to be done? Complete

Vessel placed in Dry Dock. Examined propeller, sea cocks, stern bush & outside fastenings & found in order.

Screw shaft drawn in, examined & found in efficient condition.

Stern bush re-wooded.

Examined by cylinders, pistons & slide valves; crank, thrust & tunnel shafting; pumps, condensers, & their connections & found all in fair condition.

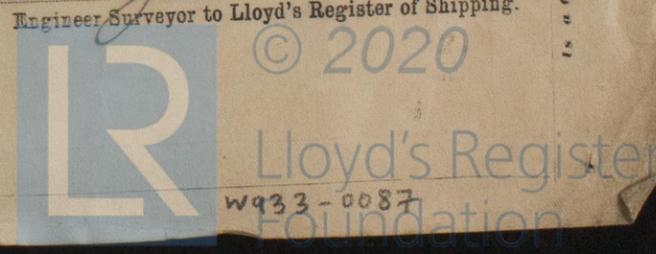
The following repairs were effected: - Bilge & circulating pump rods renewed; Bilge pump valve seats & sea pump delivery valve seat renewed; Bilge & circulating pump buckets; L.P. Valve spindle renewed; new screws fitted to Thrust shoes.

Engine opened up, examined throughout & the following repairs effected: -

Observations, Opinion, and Recommendation: - The machinery of this vessel, as classified in the Register Books consequent upon this survey, and also as required to be made in the existing classification of the vessel's machinery, boilers, working pressures, &c.: thus, for example, B.S. 9,11, B.&M.S. 9,11, or L.M.C. 9,11, is in efficient condition, eligible in our opinion to be classed, with fresh record of L.M.C. 10,19 & T.S. 10,19.

£ 200
Fees applied for
Received by me, 10.11.19
7 NOV 1919

H.P. Southwell & John Thomson.
Engineer Surveyor to Lloyd's Register of Shipping.



L.M.C. 10.19
T.S. 10.19

Is a Certificate required? If so, to be sent to