

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office)

Date of writing Report 18 When handed in at Local Office 18 Port of Glasgow
No. in Reg. Book 320 Survey held at Glasgow Date, First Survey 20th Sept. Last Survey 16th Oct. 1893
on the Machinery of the Wood, Iron or Steel Twin S.S. River Indus Master Scott
Tonnage Gross 3452 Net 2285 Vessel built at Belfast By whom Workman Clark & Co When 1884-10
Registered Horse Power 360 Engines made at Glasgow When 1884 Boilers, when made (Main) 1884 (Donkey) 1884
No. of Main Boilers 2 Owners S.S. River Indus Port Glasgow Voyage Cape & Africa
Steam Pressure in Main Boilers 80 lbs H Surveyed Afloat & in Dry Dock Glasgow
in Donkey Boiler 80 lbs (State name of Dock.)

Last Survey No. Port
Particulars of Examination and Repairs (if any) Special

Periodical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the nature of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.

CHARACTER for Special Survey.	Years and Months since last Survey.	Machinery and Boiler Surveys (including date of N.B., if any).
+10001-5-92 SS Glasgow 89		LMC 10-89 BS. 4-92

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? yes
Do. " Donkey " " " yes
If this was not done, state for what reasons?
And what parts of the Boilers could not be thus thoroughly examined?
Also 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?
Did the Surveyor examine the Safety Valves of the Main Boiler? yes found in good order
At what pressure were they afterwards adjusted under steam? 80 lbs
Did the Surveyor examine the Safety Valves of Donkey Boiler? yes found in good order
At what pressure were they afterwards adjusted? 70 lbs no more being required

If the Survey is not complete state what arrangements have been made for its completion? On the arrival of the vessel in Bonow, which will be in a few days.

Examined cylinders pistons slide valves pumps & shafting of both Port & Starboard engines, found flaw in L.P. Crank web of Port engine, recommended a new crank. H.P. Pistons of both Port & Starboard engines slack in cylinders, it has been arranged to fit cast iron rings over these pistons fitted with Remondbottom rings. Main boiler, circumferential seams leaky, covering plates fitted where necessary, one new stay in steam space of Starboard boiler. Bottom & lower part of back plate of Combustion chamber renewed, when in dry dock both propeller shafts were found in & slow bushes renewed, a flaw was found in end of Port shaft, a new end has now been forged on. All the bolts examined & found in good order. The crank shaft & piston rings not being ready when the vessel sailed, it has been arranged with the owner to have these fitted on the vessel's arrival at Bonow.

General Observations, Opinion, and Recommendation:— The machinery of this vessel is now in safe working condition and in my opinion eligible to have notification L.M.C. 10-93 when the new crank shaft & piston rings have been fitted.

Office or Registration Fee (per Sec. 27) £ : :
Survey Fee (per Section 28) £ 5 : 10 :
Special Damage Fee (per Section 28) £ : :
Travelling Expenses (if chargeable) £ : :
Fees applied for 18/10/1893
Received by me, 20/10/1893

*State if Certificate is required
Committee's Minute TUES. 24 OCT 1893
Assigned Deffered for completion
Wm. Barron

FRIDAY 15 FEB 1895
FRI. 20 MAY 1893
A. McKean
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.
FRI. MAR 20 1896
FRI 10 NOV 1893
FRI. 30 AUG 1895
FRI. 22 NOV 1895
FRI. 16 OCT 1896
FRI. 6 JUL 1894
FRI. 13 JUL 1894
TUES. 4 DEC 1894
TUES. 21 DEC 1897
Lloyd's Register
GL5168-0178