

Report of Survey for Repairs of Engines and Boilers.

No. 5377 (Received at London Office, 12/5/81)

No. in Reg. Book. 885 Survey held at Dumbarton & Glasgow Date, first Survey January 13th Last Survey May 9th 1881

on the Machinery of the S.S. "Clan Ranald" (Number of Visits 9)

Tonnage, Gross 2092 Built at Dumbarton When built 1848-12 mo

Ditto, Net 1354 Owners Cayzer Irvine & Co Port belonging to Glasgow

Diameter of Cylinder 36" & 66" Engines made by David Rowan When made 1849

Length of Stroke 42" Boilers made by " " When made 1849

Pressure of Steam 80 lbs If Surveyed Afloat or in Dry Dock Both Classed 100 A.1

Registered Horse Power 280 Last Survey No. Lloyds M.C. 2.79

Particulars of Repairs and Examination Repairs to machinery, in consequence of the vessel having been scuttled, to save her from destruction by fire at Port Said when on her voyage from India to this country, and subsequently lying under water for 27 days, part of the cargo being sugar also for tear & wear

Cylinders & Slide valves Casings opened up and examined; new High pressure piston fitted, the original one being cracked at the flange. H. Rod turned up & fitted with new gland & packing ring. Valve spindle new. Examination. Valve spindle turned up. Low pressure piston cleaned & scraped & Valve Spindle turned up & new gland to fit. High pressure Cylinder face new. Link motion & all working parts cleaned & overhauled. Crank Shaft & main bearings examined. Thrust Shaft taken out & the rings turned up & black fitted with new brass rings. Tunnel Shafting examined. Propeller Shaft drawn & Stern bush refitted with wood on the under side. Starting Engine overhauled. Pumps, pipes, & roses, overhauled, new ends put on pump crossheads. They having been bent & broken by turning the Engines when the water in the pump Chambers had become frozen. Condenser cleaned & overhauled. Manhole plug on bottom of Low pressure Cylinder new. Sea cocks, valves, & connections, overhauled & examined in Dry Dock. Donkey Engines & pumps taken asunder overhauled & made good. all the working parts having been much corroded. Main Boilers examined and several rivets renewed and the shells caulked at several places. Cocks & valves taken off & repointed.

General Observations, Opinion, and Recommendation:—The above repairs have now been satisfactorily completed by Mr. David Rowan and the Engines & Boilers are now in good order & safe working condition and eligible in our opinion to be noted in the Register book Lloyds M.C. 5.81

Entry or Registering Fee £ 1 : 10 : " received by me, James Morrison & A.C. Heron

Damage Survey £ 10 : 10 : " Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Survey Fee £ 5 : 5 : " Clyde District

Certificate (if required) £ " : 5 : " Lloyds M.C. 5.81

(Travelling Expenses, if any, £ 2 : 12 : 6)

Committee's Minute Friday, May, 13th 1881,

Assigned Lloyds M.C. 5.81

5377 gls

Cement coating on Boilers renewed. Pressure & Vacuum Gauges repaired & tested. Safety Valves overhauled & set to the working pressure. Donkey Boiler. Uptake at flange on fire box crown patched and four stays renewed & shell caulked at several places in the bottom. Safety Valves & other connections overhauled & made good.

J. M. A. C. H.

It is submitted that this vessel
is eligible to have the
notification stays put
5-8-90
J. M.
12/1/91



© 2019

Lloyd's Register
Foundation