

Report of Survey for Repairs of Engines and Boilers.

No. 6451

(Received at London Office, Rec'd 10th J. 1884)

No. in Survey held at

Glasgow

Date, first Survey August 1883 Last Survey Sept 14 1884

Reg. Book. 1233 on the Machinery of the

Screw Steamer "Austral"

(Number of Visits 36)

Tonnage, Gross 5588

Built at Glasgow

When built 1881-12m

Ditto, Net 3271

Owners Orient Steam Nav. Coy

Port belonging to Glasgow

Diameter of Cylinders 62" + 86"

Engines made by John Elder & Coy

When made 1881-2

Length of Stroke 60"

Boilers made by " " " "

When made 1881-2

Pressure of Steam 95 lbs

If Surveyed Afloat or in Dry Dock Both

Classed 100 A.1

Registered Horse Power 1000

Last Survey No.

Port



Lloyds M.C. 4.82

Particulars of Repairs and Examination

(State cause of Repairs.)

Damage Repairs, in consequence of the vessel having been sunk and remaining sometime under water in Sydney Harbour and also on account of alterations on Machinery and Boilers.

Cylinders & Valve Casings opened up and all the pistons & piston valves taken asunder examined & overhauled, valve motion taken asunder & cleaned. Crank shaft bearings cleaned & examined; pumps with all pipes and connections overhauled. New set of Condenser tubes fitted, the whole of the Tunnel Shafting (Bronze) taken out and replaced by Steel Shafting. Propeller blades (Bronze) replaced by the spare set (Steel). Sea cocks examined. Downton pumps with all their connections removed.

Boilers, the whole of the Furnaces have been removed, and replaced by Corrugated ones, (the original were plain, in two lengths & fitted with a Bowling ring at the junction in centre of furnace). All the tubes reexpanded and several additional through stays fitted on account of the alteration of the Furnaces, all pipes, cocks and connections repointed & made good, and the Boilers tested by Hydraulic pressure to 190 lbs per sq in and subsequently under steam & the Safety valves tested & set to the working pressure viz 95 lbs.

Superheaters, (round annular) removed. The Boilers have all been recoated with Cement — P.S.C

General Observations, Opinion, and Recommendation:—The above repairs & alterations have been satisfactorily completed by the Builders of the vessel and the Machinery and Boilers are now in good order and safe working condition and eligible in my opinion to be noted in the Register 3.84

Entry or Registering Fee... £ : :

Survey Fee (per Section 28) ... £ 8 : 8 : 0

Certificate (if required) ... £ : :

(Travelling Expenses, if any, £ - 8/-)

Committee's Minute

Assigned

TUESDAY 11 MARCH 1884

188

received by me,

8/3/1884

Submitted that this vessel is eligible to have a 3.84

James Morrison

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



Lloyd's Register Foundation

GLS149-0063

6451 gls

This vessel having again been placed in Dry Dock for repairs
of damage to the Hull the steel propeller blades recently fitted
have been removed, and a set of bronze ones fitted

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Foundation