

Report of [REDACTED] for Repairs, &c., of Engines & Boilers.

No. 4112

(Received at London Office,

THUR. 17 SEPT 1885)

No. in Reg. Book. 605 Survey held at Glasgow Date, first Survey 24th June Last Survey Sep 11th 1885
 on the Machinery of the S.S. "Borghese" (Number of Visits 18)
 Tonnage, Gross 2044 Built at Sunderland (Messrs W. Gile & Co) When built 1870 11
 Ditto, Net 1331 Owners Messrs Raeburn & Viret Port belonging to Glasgow
 Diameter of Cylinders 30 7/8 & 6 1/4 Engines made by J. Howden & Co Glasgow When made 1882
 Length of Stroke 42 Boilers made by " When made 1882
 Pressure of Steam 80 lbs If Surveyed Afloat or in Dry Dock Govan dock & afloat Character in Register Book.
 Registered Horse Power 200 (State name of Dock.) Classed 100A1 8-82
SS Gls No 1-82
 Last Survey No. " Port " † L.M. 68-82 † N.O. 13 82

Particulars of Repairs and Examination Annual Survey

(State clearly the cause of Repairs if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage should be separated from Repairs due to other causes. State also the dates and initials of any letters respecting this case.)

Engines: The vessel has been placed in dry dock, and the propeller, sea-cocks, & connections examined. Cylinders, pistons, and slide valves opened up for survey. High pressure cylinder badly ridged and not working parallel; this cylinder has been re-bored, and fitted with a new piston and springs, also a new packing ring. New spring to Low pressure piston, new neck bushes for piston rods, and glands rebushed. Valve spindles turned up, new neck bushes fitted, and glands rebushed. The High pressure slide valve faced up; new shoes for the piston rod guides of each engine. The crank shaft, thrust, and tunnel shafting examined, and found in good condition. All pumps opened up for inspection, the feed valves overhauled and new internal feed pipe fitted for port boiler, also new bilge suction and discharge pipes.

Boilers: The main boilers examined internally and externally; the tubes found to be badly pitted, and with the exception of the stay tubes, all the tubes have been renewed in both boilers. The ring seams at bottom of shell caulked where leaky. A new donkey boiler has been fitted on board, which was constructed under special survey for a working pressure of 65 lbs per sq. inch, and tested with a hydraulic pressure of 130 lbs per sq. inch, with satisfactory result. The safety valves examined & tested under steam. P. J. O.

General Observations, Opinion, and Recommendation:—

(State clearly what alteration, if any, is suggested to be made in the existing notification of the vessel's machinery in the Register Book, consequent upon this survey.)

The machinery and boilers of this vessel are now in good working condition and eligible in my opinion to be noted in the Register Book L.M. 69-85

It is submitted that this vessel is eligible to have the notification & L.M. 69-85 records, the boiler being subject to survey as per Rules
 16/9/85

Office or Registration Fee (per Sec. 27) £ 3 ✓
 Survey Fee (per Section 28) £ 3 ✓
 New Donkey Boiler £ 2 ✓
 Additional Damage Fee (per Section 28) £ 5 ✓
 Certificate (if required) £ 5 ✓
 Travelling Expenses (if chargeable) £ 5 ✓

received by me, 16/9/1885

G. L. Hindmarsh
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRIDAY 18 SEPT 1885

Assigned

7112 gls

The bunkers have been fitted with shield plates to prevent
from the boilers; the boilers have also been recoated with cement
relating to this subject is returned herewith

G. L. Hindmarsh

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.



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