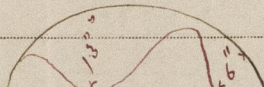


Report of Survey for Repairs of Engines and Boilers.

No. 5477 (Received at London Office, 11/9/81)
 No. in Reg. Book. 11 Survey held at Glasgow Date, first Survey Aug 11th Last Survey 24th Aug 1881
 on the Machinery of the S.S. "Valencia" (Number of Visits 5)
 Tonnage, Gross 571 Built at Port Glasgow When built 1880
 Ditto, Net 344 Owners J. Gray & Co Port belonging to Self
 Diameter of Cylinder 22" x 42" Engines made by J. Harden & Co When made 1880
 Length of Stroke 30" Boilers made by " When made 1880
 Pressure of Steam 70 lbs If Surveyed Afloat or in Dry Dock Afloat at Quay Years assigned 100 A1
 Registered Horse Power 70 (State name of Dock.) in river Character in Register Book 4:81
 Last Survey No. 40352 Port Lon & Lloyd's M.C. 1180

Particulars of Repairs and Examination For Damage to Boiler said to have been

(State cause of Repairs.)
sustained on a voyage from Almeria to Liverpool, 22/8/81.
Examined Main Boiler & found, as follows—
Found Starboard Furnace crown bulged down about 16" at centre of
length, varying from that to nothing at each end.
Centre furnace crown up slightly at centre of length, also
flattened slightly at sides.
Port furnace down at two places, one 13" deep, & another
6" deep, then running out to straight at each end.
Subs^{all} more or less started at both ends
Combustion chambers all more or less started at caulking
& the top of centre chamber bulged slightly up.
The Port & Starboard furnace crowns, have now been
cut out & renewed, the centre furnace straightened as
far as practicable, combustion chambers thoroughly
overhauled, caulked, & girders refitted, where found necessary.
& the Boiler proved by hydraulic pressure to 110 lbs
on the square inch, satisfactorily.
The stopper was found to be broken off the feed pump
discharge valve, this has been renewed.

General Observations, Opinion, and Recommendation:—The above repairs having
been carried out by Messrs J. Harden & Co, Satisfactorily,
the Engine and Boiler are eligible in my opinion, to remain
as noted in the Register Book.

Entry or Registering Fee, 10/- £ 1 : 0 : 0
 (per Section 27.)
 Survey Fee (per Section 28) ... £ 1 : 0 : 0
 Certificate (if required) ... £ - : - : -
 to be sent as per margin.
 (Travelling Expenses, if any, £ -)

received by me, 27/8/1881

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

Committee's Minute Friday, September, 2nd 1881.

Assigned W. Newberry

Le 27/9/81

GLS146 - 0068

Report of Survey for Repairs of Engines and Boilers

Mr. 47792
is submitted that this vessel
is eligible to remain as
classified
Mr. 49/81



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Foundation