

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

No. 174 Date of Writing Report 28. 2 1889 Port of Trieste
No. in Survey held at Trieste Date, first Survey 23. 2 Last Survey 1889
Reg. Book. (No. of Visits) 1 Master B. Carter Tons 849 Net 1304 Gross
514 + on the Machinery of the Charles Howard
If Surveyed Afloat or in Dry Dock Stab. tecnico Vessel built at Sunderland in 1866 Engines made in 1877
(State name of Dock.)
N.H.P. 120 No. of Main Boilers 1 Made in 1886 Donkey Boiler made in 1886 Working Pressure, Main Boilers 65 lbs.;
Working Pressure, Donkey Boiler 55 lbs.; Owners A. Stuart Port Nwc.
Last Survey No. No 3 86 Port Newcastle Class of Vessel and Machinery 90 A 1 3.87
(As in Register Book.) + NB 86 LMC 3.86 in red

Particulars of Repairs and Examination Damage 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.
Did the Surveyor personally go inside each Boiler separately (including the Donkey Boiler, if any), } NO
and make a thorough examination at this time? }
If this was not done, state for what reasons? no time enough to open & to close the boilers
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? }

I have surveyed the Machinery in order to Survey & to ascertain the repairs made at Batoum & here.

Damage Repaired as reported New Spare-Brank-Shaft fitted, bottom-end-brasses & eccentrics fitted to same. New Thrust-Shaft, thrust block & brasses & new plummer block fitted. Cylinders pistons & air & circulating pumps, feed & bilge pumps, overhauled, new shaft coupling, bolts & keys fitted to the fly wheel. The slide valve spindle welded turned & new bushes fitted, new nuts pins ect. Feed & bilge pumps rods & lined & bushed, turned & gland rebushed, Cylinder drain cocks new ones fitted & pipe repaired. Iron cover fitted to high pressure Cylinder with felt lagging. New hingers for bilge interceptor Injections Sea cock & valves & Stern stuffing box overhauled. Main Boiler. Blow down pipe repaired, new drain cock fitted, Water gauges & test cocks, drain cocks & pipes repaired. Donkey Boiler - New door for mud hole hingers on Donkey casing fitted.

General Observations, Opinion, and Recommendation:-- I am of opinion that the En- gines & Boilers remain as classed
(State clearly what alteration, if any, is suggested to be made in the existing classification and notification of the vessel's machinery in the Register Book, consequent upon this survey.)

Office or Registration Fee (per Sec. 27).....	£ 1 : - : -	Fees applied for received by me, 188
Survey Fee (per Section 28)	£ 1 : 10 : -	
Special Damage Fee (per Section 28)	£ : : :	
Certificate (if required) as per margin	£ : : :	
Travelling Expenses (if chargeable).....	£ : : :	

Frederic Schuchel
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUES 5 MARCH 1889
Assigned Remain as classed

N.B.—If this Report is copied by Copying Press, especial care must be taken that the copying paper is not so much damped as to spread the ink, or cause it to show through to the other side.

It is submitted that this
need is eligible to
human as checked

ALD
4.3.59