

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

(Received at London Office.)

THU 31 MAY '88

No. 48464 Date of Writing Report 30. 5. 88 188 88 Port of London  
 No. in Survey held at London Date, first Survey May 9 Last Survey May 30 1888  
 eg. Book. 73 on the Machinery of the S. S. "James Southern" Master J. + W. Smith No. of Visits 5  
 Gross 801 Vessel built at N. Shields By whom J. + W. Smith When 1865-5  
 Net 573 Engines made at N. Shields When 1865 Boilers, when made (Main) 1865 (Donkey)  
 Registered 90 Owners J. H. Harrison Port London Voyage  
 Steam Pressure—35 lbs Surveyed Afloat or in Dry Dock Union Class of Vessel & Machinery 90A1  
 in Main Boilers (State name of Dock.) I.M.C. 3. 86  
 in Donkey Boiler B.S. 1. 88

Last Survey No.                      Port                       
 Particulars of Examination and Repairs (if any) On acct. of damage.  
 (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), and make a thorough examination at this time?

If this was not done, state for what reasons?

What parts of the Boilers could not be thus thoroughly examined?

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?

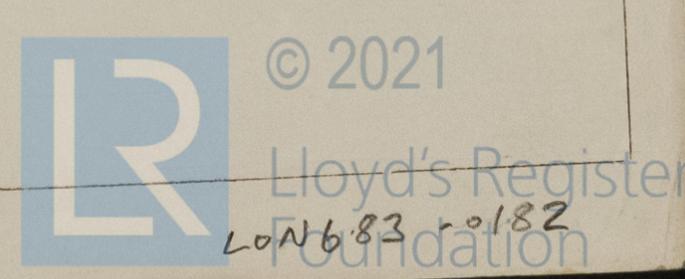
Vessel placed in dry dock sea connections examined & overhauled  
 Propeller found to have one blade broken short off. this has been removed, the tail shaft drawn, examined, found in good condition. The stern bush renewed & a new propeller fitted. Crank shaft examined, & found in good condition. Condenser choked with sand for about 20 ins. deep, the tubes have been drawn, condenser cleaned tubes replaced & condenser satisfactorily tested. Air circulating pumps examined. a new rod has been fitted to Air pump bucket (near Head) & circ. pump passages cleared & new valves fitted. The water service pipes cleared. Crank shaft examined & found in good condition.

General Observations, Opinion, and Recommendation:— As far as seen of the machinery this vessel appears eligible to 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.)

	£	s	d	Fees applied for
Office or Registration Fee (per Sec. 27)	£	:	:	188
Survey Fee (per Section 28)	£	1	1	} 46 8
Special Damage, Fee (per Section 28)	£	:	:	
*Certificate (if required) as per margin	£	:	:	
Travelling Expenses (if chargeable)	£	:	:	
				Received by me, 6/6 188 8

Geo. E. Milnerison  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE 15 JUN 88  
 Assigned                     



T. & S. Form No. 4  
 (The Surveyors are requested not to write on or into this space for Committee's Minute.)  
 \* Certificate (if required) as per margin  
 Repair—1000—14/88—Transfer Ink—T & S  
 THE REGISTER

Insert Character of Ship and Machinery precisely as in the Register Book.

It is submitted that this vessel is eligible to remain as classed

D.F.  
4/6/88

