

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

No. 5144 Date of Writing Report 2nd Sept 1891 Port of Swansea
 No. in Reg. Book. Survey held at Swansea Date, first Survey 26th Aug Last Survey 2nd Sept 1891
 on the Machinery of the S. S. "MINERAL" Master L. Hubbuck No. of Visits 4
 Tonnage { Gross 1304 Net 849 Vessel built at Sunderland By whom W. Pile When 1866-11
 Registered or Horse Power 120 Engines made at Owners Port Voyage Batoum
 o. of Main Boilers 2 If Surveyed Afloat or in Dry Dock Afloat
 Steam Pressure in Main Boilers 65 (State name of Dock.) Prince of Wales
 in Donkey Boiler 1 Class of Vessel & Machinery 90. A. 1.
 (As in Register Book, including dates of Special Surveys of Ship and of last Boiler Survey.) + N.B. 3. 86.

Last Survey No. Port
 Particulars of Examination and Repairs (if any)
 (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

1 the Surveyor personally go inside each Boiler separately (including the Donkey Boiler, if any), and make a thorough examination at this time? No

this was not done, state for what reasons? Not due

1 what parts of the Boilers could not be thus thoroughly examined? ✓

1 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? } Damage & Repairs.

Slide valves opened up & examined, condenser cleaned & examined tubes drawn cleaned & replaced, tunnel shafting examined & lined up, crank shaft lifted out, bearings filed up smooth brasses re-lined, & shaft replaced, & lined up, thrust block seat repaired & two bracket plates fitted & strengthen same. bottom end brasses lined up & re-fitted. New iron gudgeon fitted to 1 feed pump. Air pump rod re-cased & fitted. Circulating pump barrel re-bored new bucket fitted. New coupling bolts fitted to crank & thrust shafts coupling. Fly wheel re-fitted & new key also fitted. Main stop & feed check valves overhauled. Two new brasses are put aboard to be fitted to bed-plate next voyage. in place of two badly cracked, but which have been pinned together for present voyage.

General Observations, Opinion, and Recommendation:— As far as seen the 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: thus, for example, B.S. 1/89, B. & M.S. 1/89, or L.M.C. 1/89, as the case may be.)
 Machinery of the vessel is in a good & efficient condition & eligible in my opinion to remain as classed without fresh record.

Registration Fee (per Sec. 27).....	£	:	:	Fees applied for 2 nd Sept 1891 received by me, 14. 4. 1891
Fee (per Section 28)	£	:	:	
Damage Fee (per Section 28)	£	5	5	
Rate (if required) as per margin	£	:	:	
Expenses (if chargeable).....	£	:	:	

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

Committee's Minute

10ES. 8 SEP 1891

needed

As now

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 vessel
is eligible to remain as classed.

C. W. J.

5.9.91