

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

(Received at London Office 12 AUG 1929)

Writing Report 10<sup>th</sup> Aug 1929 When handed in at Local Office 10<sup>th</sup> Aug 1929 Port of **CARDIFF**

Survey held at **Cardiff** Date, First Survey 5<sup>th</sup> July Last Survey 2<sup>nd</sup> Aug 1929 (No. of Visits 12)

on the Machinery of the ~~Wood, Iron or Steel~~ **St. PENSILVA**

Gross 4316  
 Net 2714  
 Vessel built at **W. Hartlepool** By whom **W. Gray & Co. Ltd.** When 1913-5  
 Engines made at **do** By whom **Clew Mar Eng Works** When 1913.  
 Boilers, when made (Main) 1913 (Donkey) 1929  
 Owners **P. B. Chellus, Sh. Narf. Ltd.** Owners' Address **Port Falmouth, Voyage**  
 Managers **F. Shearman** (If not already recorded in Appendix to Register Book.)  
 Surveyed **Afloat or in Dry Dock** (State name of Dock.) **Mount Pleasant Dock** Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Report No. \_\_\_\_\_ Port \_\_\_\_\_

Particulars of Examination and Repairs (if any) **Damage + Sub.**

Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and any detailed in the body of the report, should be briefly summarised at the end of the report. State also the initials of any letters respecting this case.

In cases where the Surveyor has not made a special damage report he is required to state whether he has performed his services for this purpose, and why they were declined? **yes, not required.**

Has a special damage report been made by anyone else? If so, by whom? **Salvage Surveyor.**

Has the Surveyor personally gone inside each Main Boiler separately and made a thorough examination at this time? **yes.**

Do the same for Donkey Boilers? **yes.**

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

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? **yes.**

Has the Surveyor examined the Safety Valves of the Main Boiler? **yes.** To what pressure were they afterwards adjusted under steam? **180 lbs.**

Has the Surveyor examined the Safety Valves of Donkey Boiler? **yes.** To what pressure were they afterwards adjusted under steam? **100 lbs.**

Has the Surveyor examined all the manholes, doors and their fastenings of the Main Boilers? **yes.** and of the Donkey Boiler? **new Dky. Boiler**

Has the Surveyor examined the drain plugs of the Main Boilers? **yes.** and of the Donkey Boiler? **see Gls. Rpt. 4929**

Has the Surveyor examined all the mountings of the Main Boilers? **yes.** and of the Donkey Boiler? **yes.**

Has the screw shaft now been drawn and examined? **yes.** Is it fitted with continuous liner? **yes.** Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? **yes.**

Has the screw shaft now been changed? **no.** If so, state reasons.

Has the shaft now fitted been previously used? **yes.** Has it a continuous liner? **yes.** Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? **yes.**

Is the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft? **rewooded.**

If the examination is not complete, state what arrangements have been made for its completion and what remains to be done? **complete.**

Examination stated due to grounding off Dakar on March 25<sup>th</sup> 1929.

At Port - Sub. due 2.30; Bld due 1.29. partly held 3.29. Bassy Report.

Propeller and fastenings of sea connections, sea cocks & valves opened up & cleaned. Screw shaft - continuous liner - drawn in, examined, propeller key renewed, stern bush rewooded.

All cylinders, pistons, slide valves & faces, pumps & their valves, crank, thrust & tunnel shafting, bilge & tank valves & connections, condenser tested, holding down bolts examined.

Main Boiler examined throughout with their safety valves and mountings; Dky. Boiler examined & removed ashore; A new vertical Dky. Boiler - Glasgow Rpt. No. 49291, now fitted on board in the stowhold, & examined with all mountings & safety valves; Main & Donkey Boilers re-over.

General Observations, Opinion, and Recommendation: - This vessel's machinery as seen is in good working order and eligible to remain as classed & to have fresh record of **Sub 8.29, Bld 8.29, NDTB 8.29, W.P. 100 lbs.**

Clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.: thus, for example, E.S. 9,11, B.&M.S. 9,11, or L.M.C. 9,11, 140 lb., F.D., &c.)

Fee applied for 10 Aug 1929

Damage or Repairs Fee (if any) £ 8 : 8 : 0

Expenses (if chargeable) £ :

Received by me, 27<sup>th</sup> 8 1929

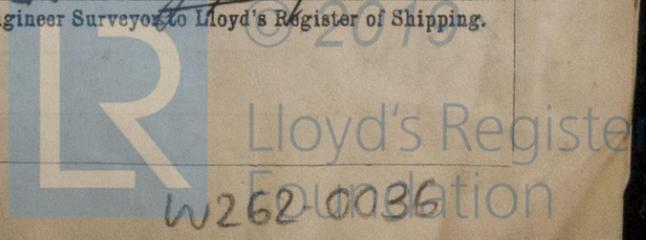
Signature: **A. J. Bassett**, Engineer Surveyor to Lloyd's Register of Shipping.

Signature: **D. J. Collins**

Signature: **W. J. Collins**

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

Is a Certificate required? If so, to be sent to



examined under steam & adjusted as above.

Repairs. -

A.P. valve spindle skimmed up, nuts & gland & neck bushes renewed; Throat shoes refitted; some condensed tube plate studs renewed & the bottom joint bolts hardened up. Castings of main engine air & circulating pumps renewed complete with liners, buckets etc. excepting the air pump bucket and the bilge pump arms which have been skimmed up & refitted; pumps & gear fitted to alignment, bilge pump suction & delivery valve boxes renewed.

All auxiliaries & pumps overhauled & small repairs effected.

Ballast Dky. pump water end & brackets renewed, steam cylinders re-bored, valves & faces machined, pistons & rings renewed. Valve of main injection chest renewed.

Main steam pipe expansion gland spigot pieces renewed & all pipes & sleeve pieces tested by hydraulic pressure to hold. One feed check valve renewed.

Pipes in machinery space made good & small general repairs effected.

A. J. Bennett

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THE MARGIN.

As before 2.26 held.

New Soudey boiler fitted

Repairs effected

Founding lance

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It is submitted that this vessel is eligible for THE RECORD. Special conditions



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