



BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers

Is Forced Draft fitted \_\_\_\_\_ No. and Description of Boilers \_\_\_\_\_ Working Pressure \_\_\_\_\_

Is a Report on Main Boilers now forwarded? \_\_\_\_\_

Is { a Donkey } Boiler fitted? \_\_\_\_\_ If so, is a report now forwarded? \_\_\_\_\_  
 { an Auxiliary }

Is the donkey boiler intended to be used for domestic purposes only \_\_\_\_\_

Plans. Are approved plans forwarded herewith for Shafting 28/8/36. Main Boilers  Auxiliary Boilers  Donkey Boilers   
 (If not state date of approval)

Superheaters  General Pumping Arrangements  Oil Fuel Burning Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied?

State the principal additional spare gear supplied

2 1 Bearing of each size fitted.  
 1 Set of thrust pads for each thrust bearing  
 One Spring & 1 set of washers for emergency Governor. etc. etc.

FOR SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.

*G. J. Stued*

The foregoing is a correct description,

Dates of Survey while building { During progress of work in shops -- } <sup>1936</sup> Nov. 20. Dec. 10. 14. 23 { During erection on board vessel --- } <sup>1937</sup> Jan 14. Feb. 2. 16. 17. 18.  
 Total No. of visits 9.

Dates of Examination of principal parts—Casings 14/1/37 Rotors 14/12/36 Blading 18/2/37 Gearing 16/2/37

Wheel shaft 16/2/37 Thrust shaft  Intermediate shaft <sup>Quill</sup> 16/2/37 Tube shaft  Screw shaft

Propeller  Stern tube  Engine and boiler seatings  Engine holding down bolts

Completion of fitting sea connections  Completion of pumping arrangements  Boilers fixed  LP Turbine in shop. Engines tried under steam 17/2/37

Main boiler safety valves adjusted  Thickness of adjusting washers

Rotor shaft, Material and tensile strength S.M. Steel 37 tons Identification Mark 6560 HAI. 293

<sup>1st Redn</sup> Flexible Pinion Shaft, Material and tensile strength " " 44.0 tons (Y.P. 37 tons) Identification Mark " " 1954

<sup>2nd Redn</sup> Pinion shaft, Material and tensile strength " " 43.4 tons (Y.P. 32.5 tons) Identification Mark " " 1956

<sup>(Hydr. Coupl's. Shaft)</sup> 1st Reduction Wheel Shaft, Material and tensile strength S.M. Steel 28.6 tons Identification Mark " " 294

Wheel shaft, Material S.M. Steel Identification Mark 6560 HAI 295 Thrust shaft, Material  Identification Mark

<sup>Quill</sup> Intermediate shaft, Material S.M.S. Identification Marks " " 372 Tube shaft, Material  Identification Marks

Screw shaft, Material  Identification Marks  Steam Pipes, Material  Test pressure

Date of test  Is an installation fitted for burning oil fuel

Is the flash point of the oil to be used over 150°F.  Have the requirements of the Rules for the use of oil as fuel been complied with

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo  If so, have the requirements of the Rules been complied with

If the notation for ice strengthening is desired, state whether the requirements in this respect have been complied with

Is this machinery a duplicate of a previous case Yes If so, state name of vessel J. H. W. B. LP Turbine No 1540. Nov. 1937 9464

General Remarks (State quality of workmanship, opinions as to class, &c.)

*The machinery has been built under special survey in accordance with the Rules and approved plan, and the materials and workmanship are good. The machinery has been sent to W. Hartlepool for installation on board the vessel. The exhaust turbine has now been fitted on board the vessel and upon completion examined under full working conditions and found satisfactory.*

The amount of Entry Fee ... £	:	:	When applied for,
Special <u>2/3<sup>rd</sup> rule</u> ... £	<u>11</u> :	<u>12/-</u>	19...
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	<u>17-3-</u> 19 <u>37</u>

*A. Watt & J. Brooke Smith*  
 Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute FRI 24 SEP 1937

Assigned See type 17734



Certificate (if required) to be sent to... (The Surveyors are requested not to write on or below the space for Committee's Minute.)