



BOILERS, &c.—(Letter for record *S*) Total Heating Surface of Boilers *14790* *sq*  
Is Forced Draft fitted *yes*. No. and Description of Boilers *3 Water Tube - Babcock & Wilcox* Working Pressure *250 lbs.*  
Is a Report on Main Boilers now forwarded? *no*  
Is { a Donkey } Boiler fitted? *yes* If so, is a report now forwarded? *yes*  
{ an Auxiliary }

Is the donkey boiler intended to be used for domestic purposes only *yes*  
Plans. Are approved plans forwarded herewith for Shafting *Gearing - yes* Main Boilers *no* Auxiliary Boilers *yes* Donkey Boilers *yes*  
(If not state date of approval)

Superheaters *no* General Pumping Arrangements *no* Oil Fuel Burning Arrangements *—*

Has the spare gear required by the Rules been supplied *yes*.

### SPARE GEAR.

State the principal additional spare gear supplied *One relief valve spring for each size fitted; studs and nuts for S.P., I.P. and L.P. rotor bearings; studs and nuts, fitted bolts and nuts, and ordinary bolts and nuts for S.P., I.P. and L.P. turbine horizontal joints; studs and nuts for main gear wheel shaft bearings; collar studs and nuts for pinion bearings; studs, nuts and bolts for gear case joints; gauges, lifting gear and adjusting gear, etc.*

FOR  
THE PARSONS MARINE STEAM TURBINE CO. LIMITED.

*D. Jones Brown*  
Director & Engineering Manager.

The foregoing is a correct description,

	1938	1939
Dates of Survey while building	During progress of work in shops - - During erection on board vessel - - - Total No. of visits	Oct. 26. Nov. 15. 22. 24. 29. Dec. 8. 22. 23. Jan. 9. 12. 17. 23. 25. Feb. 2. 7. 17. 23. 28. Mar. 1. 9. 14. 15. 21. 27. Apr. 5. 6. 11. 21. 25. May 2. 10. 12. 26. June 9. July 3. 4. 11. 21. 28. Aug. 8. Sep. 4. 13. 22. 28. Oct. 3. 6. 11. 19. 24. Nov. 1.

Dates of Examination of principal parts—Casings *25.1.39 to 11.10.39* Rotors *26.10.38 to 11.10.39* Blading *29.11.38 to 11.10.39* Gearing *7.2.38 to 11.10.39*

Wheel shaft *23.2.38 to 11.10.39* Thrust shaft *—* Intermediate shafts *—* 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 *—* Engines tried under steam *—*

Main boiler safety valves adjusted *—* Thickness of adjusting washers *—*

Rotor shaft, Material and tensile strength *Steel 86/33 tons/10"*

Flexible Pinion Shaft, Material and tensile strength *—*

Pinion shaft, Material and tensile strength *Nickel Steel 40 tons/10"*

1st Reduction Wheel Shaft, Material and tensile strength *—*

Wheel shaft, Material *Steel 81/33 tons/10"* Identification Mark *See list of marks attached* Thrust shaft, Material *—* Identification Mark *—*

Intermediate shafts, Material *—* Identification Marks *—* 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 *yes*

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 *yes*

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

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 *no* If so, state name of vessel *—*

General Remarks (State quality of workmanship, opinions as to class, &c.) *These turbines and gearing have been constructed under special survey; the materials and workmanship are good. The units have been erected and subjected to steam trials on the test bed in the shop with satisfactory results, afterwards dismantled, examined and found satisfactory and forwarded to Greenock for instalment in the vessel.*

The amount of Entry Fee ... £ *6* : *0* : *0* When applied for, *3 NOV 1939*  
*2/6 of £ 138 = 14 = 6* ... } £ *55* : *10* : *0*  
Special  
Donkey Boiler Fee ... £ : : When received, *22.12.1939*  
Travelling Expenses (if any) £ : : *39/6*

Committee's Minute *GLASGOW 16 APR 1940*

Assigned *—* ACCOMPANYING MACHINERY REPORT.



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Foundation