

Received at London Office

Trade for which Vessel is intended Australian Mail & Passenger.

TUBINE	H.P.			I.P.			L.P.			ASTERN.		
	HEIGHT OF	DIAMETER	NO. OF	HEIGHT OF	DIAMETER	NO. OF	HEIGHT OF	DIAMETER	NO. OF	HEIGHT OF	DIAMETER	NO. OF

BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 46530 ft² ✓
Is Forced Draft fitted *Yes* ✓ No. and Description of Boilers 6 Double Ended & 2 Single Ended Working Pressure 215 lbs ✓
Is a Report on Main Boilers now forwarded? *Yes* ✓
Is a Donkey Boiler fitted? *No* If so, is a report now forwarded? ✓
Plans. Are approved plans forwarded herewith for Shafting *Yes* ✓ Main Boilers *Yes* ✓ Auxiliary Boilers ✓ Donkey Boilers ✓
(If not state date of approval)

Superheaters ✓ General Pumping Arrangements *Yes* ✓ Oil Fuel Burning Arrangements *Yes* ✓
Spare Gear. State the articles supplied:— 2 Bolts & nuts for each eye of Rotor Bearing; 2 Bolts & nuts for Main Gear Wheel bearing; 2 Bolts & nuts for Pinion Bearings. 18 Coupling Bolts & nuts. 120" total number of bolts and nuts for Gear and Turbine casings; 6 Thermometers for Oil Circulating system. 4 Main Gear Wheel Bearings. 6 Rotor bearing bushes; 12 Pinion bearing bushes. 9 Main Thrust pads. 12 Thrust Pads for H.P. I.P. & L.P. Adjusting blocks: 1 set of liners for each adjusting block. 1 set of feed pump valves, bucket & rods. 1 pump impeller shaft and turbine wheel for each eye of pump. Impeller, shaft and worm for lubricating pumps. 1 Spare screw shaft and 4 propeller blades. Air pump bucket, rod and valves. 1 set of bilge pump suction & delivery valves. 200 Main Condenser Tubes. 1 Impeller & shaft for main circulating pumps. Bolts, nuts, sheet & rod steel assorted. 40 Boiler Tubes. 1 set of Safety Valve Springs &c. &c.

FOR VICKERS-ARMSTRONGS LIMITED.

Mitchell

Manufacturer.

The foregoing is a correct description,

Dates of Survey while building { During progress of work in shops --- 1928 No of visits each month - Jan 8. Feb 5 March 14 April 9 May 15 June 15 July 10.
During erection on board vessel --- Aug. 6. Sept 13. Oct 17. Nov 20. Dec 14. 1929 Jan 17. Feb 21. March 12 April 9 May 13. June 14.
Total No. of visits 246

Dates of Examination of principal parts—Casings 5/4/28 to 23/11/28 Rotors 22/1/29 to 16/2/29 Blading 28/1/29 Gearing 22/1/29, 14/2/29, 22/2/29
Wheel shafts 16/2/29 22/2/29 Thrust shafts 1/2/29 Intermediate shafts 14/1/29 & 14/2/29 Tube shaft ✓ Screw shafts 14/1/29
Propellers 14/1/29 Stern tubes 16/1/29 Engine and boiler seatings 28/2/29 Engine holding down bolts 3/6/29
Completion of pumping arrangements 24/4/29 Boilers fired 3/6/29 Engines tried under steam 26th 30th 1/4/29
Main boiler safety valves adjusted 5th 19th 4/29 Thickness of adjusting washers See separate sheet
Rotor shaft, Material and tensile strength *Cremens Steel 34/39 tons* Identification Mark *Lloyd 465*
Pinion Shaft, Material and tensile strength *Nickel Steel 40/44 tons* Identification Mark *465*
Pinion shaft, Material and tensile strength ✓ Identification Mark ✓
1st Reduction Wheel Shaft, Material and tensile strength ✓ Identification Mark ✓
Wheel shafts Material *Ingot Steel* Identification Mark *465 465* Thrust shafts Material *Ingot Steel* Identification Mark *465 465*
Intermediate shafts, Material *Ingot Steel* Identification Marks *465 465* Tube shaft, Material ✓ Identification Marks ✓
Screw shafts Material *Ingot Steel* Identification Marks *465 465* Steam Pipes, Material *Solid drawn Steel* Test pressure 645 lbs ✓
Date of test 12th March to 15th July 1929 Is an installation fitted for burning oil fuel *Yes*
Is the flash point of the oil to be used over 150°F. *Yes* Have the requirements of the Rules for carrying and burning oil fuel been complied with *Yes*
Is this machinery a duplicate of a previous case *Yes* If so, state name of vessel *S.S.L. "Orford"*

General Remarks (State quality of workmanship, opinions as to class, &c.) The machinery and boilers of this vessel have been constructed under special survey; the materials and workmanship are good. They have been efficiently fitted on board and proved satisfactory under working conditions. In my opinion the vessel is eligible to have the notation of *+ L.M.C. Y. 29* made in the Register Book.

It is submitted that this vessel is eligible for THE RECORD. — + L.M.C. Y. 29. C.L. F.D.

Fitted for Oil Fuel. Y. 29. F.P. above 150°F.

6. Steam Turbines. S.R. geared to 2 sc. shafts.

The amount of Entry Fee ... £ 6 : 0 : 0 When applied for,
Special ... £ 195 : 12 : 6 2nd Aug 1929
Donkey Boiler Fee ... £ - : - : - When received,
Travelling Expenses (if any) £ 3 : 5 : 0 8. 8. 29

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 9 AUG 1929

Assigned

+ L.M.C. Y. 29 C.L. F.D.
Fitted for Oil Fuel Y. 29 F.P. above 150°F

CERTIFICATE WRITTEN.



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Lloyd's Register Foundation

Is a report on Main Boilers now forwarded?

Is { a Donkey
an Auxiliary

Boiler fitted?

No

If so, is a report now forwarded?

✓

Rpt. 9a.

Port of

Barrow

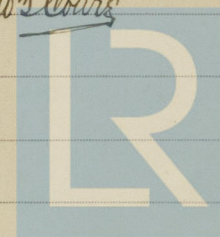
Continuation of Report No. 2331 dated 1st August 1929 on

1/2" Cronts

Safety Valve Washers

Forward Double Ended Port	4L. 3/8	4P. 3/8	AS. 11/32	AP. 3/8
" " " Centre	4S. 11/32	4P. 5/16	AS. 11/32	AP. 5/16
" " " Sttd	4S. 11/32	4P. 3/8	AS. 3/8	AP. 3/8
Single Ended Port	4L. 11/32	A. 5/16		
" " " Sttd	4L. 5/16	A. 11/32		
Aft Double Ended Port	4L. 3/8	4P. 3/8	AS. 11/32	AP. 3/8
" " " Centre	4L. 11/32	4P. 11/32	AS. 3/8	AP. 3/8
" " " Sttd	4L. 3/8	4P. 3/8	AS. 3/8	AP. 3/8

Wm Davis



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0068212

Flexible Pinion Shaft, Material and tensile strength

Nickel Steel

40/44 tons

Identification Mark

W.D.