

BOILERS, &c.—(Letter for record 3) Total Heating Surface of Boilers 46530 \checkmark
 Is Forced Draft fitted *Yes* No. and Description of Boilers 6 Double ended and 2 Single ended Working Pressure 215 lb \checkmark
 Is a Report on Main Boilers now forwarded? *Yes*
 Is a Donkey Boiler fitted? *No* If so, is a report now forwarded? \checkmark
 Plans. Are approved plans forwarded herewith for Shafting *Yes* Main Boilers *Yes* Auxiliary Boilers \checkmark Donkey Boilers \checkmark
 (If not state date of approval)
 Superheaters \checkmark General Pumping Arrangements *Yes* Oil Fuel Burning Arrangements *Yes*

Spare Gear. State the articles supplied:— Two Bolts, nuts and studs for each size of rotor bearing; 2 Bolts & nuts for main wheel bearings; 2 Bolts & nuts for Pinion Bearings; 18 Coupling Bolts and nuts; 1/20" total number of bolts and nuts for gear and turbine casing joints; 6 Thermometers for oil circulating system; 4 main gear wheel bearings; 6 rotor bearing bushes; 12 Pinion bearing bushes; 9 main thrust pads and givets; 12 Thrust pads each for H.P., I.P. and L.P. Adjusting block 8 liners for each adjusting block; 1 set of fuel pump valves, bucket and rods; 1 pump impeller shaft and turbine wheel for each size of pump lubricating pump bucket and rod, also 2 sets of valves, 1 set of springs for each size fitted; 5% Blading material; 1 set of the pump valves, 1 set of the pump valves, 1 set of valves for each fuel pump. Assorted bolts & nuts Rod and sheet steel; 1 set of propeller blades; 1 screw shaft complete; 3 Pinions Condenser tubes etc etc.

VICKERS-ARMSTRONGS LIMITED.
J. Callender Manufacture

The foregoing is a correct description,

Dates of Survey while building	During progress of work in shops --	1925 May 31, 6, 15, 16, 19, 27, 28, May 6, 7, 11, 13, 14, 17, 19, 20, 21, 25, 28, 31, June 1, 7, 8, 10, 11, 12, 15, 16, 17, 18, 21, 23, 25, 26, 30, July 1, 2, 5, 6, 7, 8, 9, 12, 15, 16, 20, 21, 22, 23, 24, 25, 26, 27, 30, Sept 1, 3, 6, 14, 21, 24, 26, 29, Oct 1, 5, 6, 8, 12, 18, 19, 20, 21, 25, 27, 28, 31, Feb 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, March 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, April 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, May 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, June 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Aug 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Sept 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Oct 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Nov 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Dec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31
	During erection on board vessel --	1925 June 2, 3, 7, 8, 10, 15, 17, 20, 22, July 1, 4, 7, 8, 11, 12, 14, 21, 26, 27, 28, Aug 1, 2, 19, 23, 24, 25, 26, 27, 28, 29, 30, 31, Sept 1, 2, 3, 6, 7, 9, 12, 14, 15, 16, 20, 21, 23, 26, 27, 30, Oct 3, 4, 5, 10, 11
	Total No. of visits	288

Dates of Examination of principal parts—Casings 1-4-27 Rotors 29-9-27 Blading 29-9-27 Gearing 29-9-27
 Wheel shaft 29-9-27 Thrust shafts 4-9-24 Intermediate shafts 4-9-27 & 30-9-27 Tube shaft \checkmark Screw shafts 4-9-27
 Propellers 26-9-24 & 21-9-27 Stern tube 1-9-27 Engine and boiler seatings 26-9-27 Engine holding down bolts 25-1-28
 Completion of pumping arrangements 29-2-28 Boilers fixed 23-1-28 Engines tried under steam 14-2-28
 Main boiler safety valves adjusted 14-2-28 Thickness of adjusting washers See attached sheet.
 Rotor shaft, Material and tensile strength Ingot steel 34/38 tons Identification Mark Y613, Y615, Y624, Y625, Y626, Y627, Y628, Y629, Y630
 Flexible Pinion Shaft, Material and tensile strength \checkmark Identification Mark \checkmark
 Pinion shaft, Material and tensile strength Nickel steel 40/44 tons Identification Mark 1319, 1320, 1334, 1344
 1st Reduction Wheel Shaft, Material and tensile strength \checkmark Identification Mark \checkmark
 Wheel shaft, Material Ingot steel Identification Mark HHH W.C. Thrust shaft, Material Ingot steel Identification Mark HHH W.C.
 Intermediate shafts, Material Ingot steel Identification Marks HHH W.C. Tube shaft, Material \checkmark Identification Marks \checkmark
 Screw shaft, Material Ingot steel Identification Marks HHH W.C. Steam Pipes, Material Solid drawn steel Test pressure 645 lb
 Date of test 27-10-24 & 3-2-28 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 *No* If so, state name of vessel \checkmark

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 \boxplus LMC 3.28 - made in the Register Book.

It is submitted that this vessel is eligible for THE RECORD. + LMC 3.28 C.L. F.D.

Fitted for oil fuel 3.28 F.P. above 150°F.

Green tubes & secured to 2 lb shafts

W.A. 19/3/28

The amount of Entry Fee	£ 6 : 0 - 0	When applied for,	16th March 1928
Special	£ 195 - 12 - 6	When received,	29.3.28
Donkey Boiler Fee	£ :		
Travelling Expenses (if any)	£ :		

W.A. Lewis
 Engineer Surveyor to Lloyds Register of Shipping.

Committee's Minute TUES. 27 MAR 1928

Assigned + LMC 3.28, C.L. F.D.
 Fitted for Oil Fuel, 3.28 F.P. above 150°F



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