

# REPORT ON MACHINERY

No. 10809.

THU. DEC. 23 1920

Received at London Office

Date of writing Report 17<sup>th</sup> Dec. 1920 When handed in at Local Office 22<sup>nd</sup> Dec. 1920 Port of Southampton

Survey held at Southampton Date, First Survey 18<sup>th</sup> March Last Survey 15<sup>th</sup> Dec. 1920

on the S.S. "ALLANWATER" (Number of Visits 15)

Master John Mills Built at Southampton By whom built Day, Summers & Co. Ltd

Engines made at Coathbridge By whom made W. Beardmore & Co. Ltd

Motors made at Southampton By whom made Day, Summers & Co. Ltd

Registered Horse Power Owners J. W. Fisher & Co. Port belonging to Liverpool

Net Tons 496.14

When built 1920

When made 1920

When made 1920

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted No

Is the after end of the liner made water tight

Are the joints burned

Is the space charged with a plastic material insoluble in water and non-corrosive

Is the shaft lapped or protected between the liners

Is the screw shaft fitted with a continuous liner the whole length of the stern tube

Are the roses in Engine room always accessible

Are the sluices on Engine room bulkheads always accessible

Are they Valves or Cocks

Are the Blow Off Cocks fitted with a spigot and brass covering plate

How are they protected

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges

Is it fitted with a watertight door

Are they fitted with easing gear

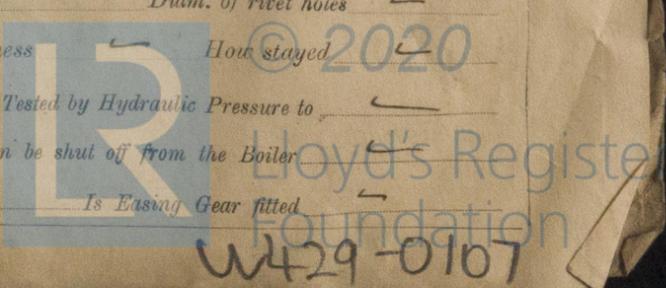
Are the shell plates welded or flanged

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Are the stays fitted with nuts or riveted heads

How are stays secured

Are the Front plates at bottom



W429-0107

IS A DONKEY BOILER FITTED? **No**

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:— Two Conn<sup>ts</sup> Rod top-end bolts & nuts, two Conn<sup>ts</sup> Rod bottom bolts & nuts, two Main bearing bolts & nuts, 1 set of Coupling bolts & nuts, 1 set of Feed pump valves, 1 set of Bilge pump valves, 1 set of Air pump valves, 1 set of Circulating pump valves, 6 Condenser tubes, 12 Condenser females, 3 Plain Boiler tubes, 2 Dry. ass. bolts & nuts, 1 set of pistons for one furnace, 6 Gauge glasses, 1 Safety Valve spring, 1 Propeller, 1 set of Check valves, 6 cylinder cover studs & nuts, 6 Junk ring bolts & nuts, 1 set of Valves for Donkey Pump. Ind. of Various sizes.

The foregoing is a correct description,

For DAY SUMMERS & Co. Ltd.

Manufacturer.

*Graham C. H. Day*  
Director

Dates of Survey while building	During progress of work in shops --	18.25	28	23	22	18.20.27	27
		3	4	6	7	8	9
	During erection on board vessel --	20	4.10.19	15	8		
	Total No. of visits	15					

Is the approved plan of main boiler forwarded herewith

Is the approved plan of donkey boiler forwarded herewith

Dates of Examination of principal parts—Cylinders  Slides  Covers  Pistons  Rods   
 Connecting rods  Crank shaft  Thrust shaft  Tunnel shafts  Screw shaft  Propeller 27-9-20

Stern tube 27-8-20 Steam pipes tested 10-11-20 Engine and boiler seatings 27-9-20 Engines holding down bolts 10-11-20

Completion of pumping arrangements 10-11-20 Boilers fixed 20-10-20 Engines tried under steam 15-12-20

Completion of fitting sea connections 27-9-20 Stern tube 27-9-20 Screw shaft and propeller 27-9-20

Main boiler safety valves adjusted 8-12-20 Thickness of adjusting washers  $P = \frac{15}{32}$  S =  $\frac{13}{32}$

Material of Crank shaft  Identification Mark on Do.  Material of Thrust shaft  Identification Mark on Do.

Material of Tunnel shafts  Identification Marks on Do.  Material of Screw shafts  Identification Marks on Do.

Material of Steam Pipes **Copper** Test pressure **360 lbs.**

Is an installation fitted for burning oil fuel **No** Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case **yes** If so, state name of vessel **S.S. Cambali**

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

The Boiler has been built under Special Survey, and efficiently fitted on board, also the Machinery, as per Glasgow Report No. 40395 (attached)

The materials and workmanship are sound and good.

The spare gear is in order with the rule requirements.

On Trial the Machinery & Boiler proved satisfactory, and the same is eligible in my opinion to have notation + L.M.C. 12.20.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 12.20

*Bell*  
24/12/20

The amount of Entry Fee ... £	:	:	When applied for,
Special ... £	6	4	22/12/20
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	24.12.20

*A. A. Boyle*  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **FRI. DEC. 31 1920**  
Assigned **+ L.M.C. 12.20**

CERTIFICATE WRITTEN



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