

REPORT ON MACHINERY.

No. 39275

Received at London Office

WED. 29.001. 1919

Date of writing Report 19 When handed in at Local Office 20/10/19 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 21/4/1919 Last Survey 17/10/1919
 Req. Book. on the S.S. "LONDONIER" (Standard A) (Number of Visits 39)
 Master Built at By whom built Lloyd Royal Belg (No 101519) When built 1919
 Engines made at Glasgow By whom made W & W Henderson Co Ltd (No 4F) when made 1919
 Boilers made at do By whom made Fairfield Bros Eng Co Ltd (No 543) when made 1919
 Registered Horse Power Owners Lloyd's Royal Belg Society Port belonging to Antwerp
 Nom. Horse Power as per Section 28 517 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3
 Dia. of Cylinders 27" 44" 73" Length of Stroke 48" Revs. per minute 80 Dia. of Screw shaft as per rule 14.7" Material of steel
 as fitted 15.2" screw shaft
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight
 in the propeller boss Yes If the liner is in more than one length are the joints burned — If the liner does not fit tightly at the part
 between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes whole length two
 liners are fitted, is the shaft lapped or protected between the liners Length of stern bush 5-0 1/2
 Dia. of Tunnel shaft as per rule 13.3" Dia. of Crank shaft journals as per rule 13.9" Dia. of Crank pin 14 1/2" Size of Crank webs 9 X 28 Dia. of thrust shaft under
 collars 14 3/4" Dia. of screw 17-6" Pitch of Screw 16-6" No. of Blades 4 State whether moveable No Total surface 98.24
 No. of Feed pumps 2 Diameter of ditto 4" Stroke 24" Can one be overhauled while the other is at work Yes
 No. of Bilge pumps 2 Diameter of ditto 4" Stroke 24" Can one be overhauled while the other is at work Yes
 No. of Donkey Engines 3 Sizes of Pumps 1 feed water 9 1/2 X 7 X 18" No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room (2) 3 1/2" Suction (2) 3 1/2" In Holds, &c. No 1 (2) 3 1/2" No 2 (2) 3 1/2" No 3 (2) 3 1/2"
 No 4 (2) 3 1/2" No 5 (1) 3 1/2" Tunnel well (1) 3 1/2"
 No. of Bilge Injections 1 sizes 12" Connected to condenser, or to circulating pump Pump Is a separate Donkey Suction fitted in Engine room & size No 3 1/2"
 Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible No
 Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line below
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes Are the Blow Off Cocks fitted with a spigot and brass covering plate Yes
 What pipes are carried through the bunkers Ad Suctions How are they protected Wood casings
 Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
 Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes
 Dates of examination of completion of fitting of Sea Connections 25.7.19 of Stern Tube 25.7.19 Screw shaft and Propeller 5.8.19
 Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Engine room to Main

BOILERS, &c.—(Letter for record S) Manufacturers of Steel W Beardmore & Co Ltd
 Total Heating Surface of Boilers 7668 Is Forced Draft fitted Yes No. and Description of Boilers 3 Simple end of
 Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 13.6.19 No. of Certificate 14768
 16.7.19 14783
 Can each boiler be worked separately Yes Area of fire grate in each boiler 63.34 No. and Description of Safety Valves to
 each boiler 2 Spring loaded Area of each valve 9.620 Pressure to which they are adjusted 185 lb Are they fitted with easing gear Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 1-9 Mean Dia. of boilers Length Material of shell plates
 Thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 long. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 Per centages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
 Size of compensating ring No. and Description of Furnaces in each boiler 3 Corrugated Material Outside diameter
 Length of plain part top Thickness of plates bottom Description of longitudinal joint No. of strengthening rings
 Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
 Pitch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
 Material of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
 Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
 Diameter at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 Diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 Pitch across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each
 Working pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
 separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

report.

007396-007402-0055

