

REPORT ON MACHINERY.

No. 29246

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of writing Report 4-4-16 to When handed in at Local Office 4/4/16 Port of Hull
 in Survey held at Hull Date, First Survey 13-1-15 Last Survey 4-4-16 19
 g. Book. 48 on the steel s.s. Island Queen ex Loutham Queen (Number of Vents 82 Gross 803
 Master Built at Goole By whom built Goole L.B. & Reps Co. Ltd Tons Net 409
 gines made at Hull By whom made Charles Co. Ltd (H.A.I.P.F.) When built 1916-4
 ilers made at Hull By whom made Charles Co. Ltd when made 1916-4
 gistered Horse Power Owners Chas Wright & Ltd Port belonging to London
 m. Horse Power as per Section 28 123 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

GINES, &c.—Description of Engines Triple expansion No. of Cylinders Three No. of Cranks 3
 s. of Cylinders 15"-25"-40" Length of Stroke 30" Revs. per minute 9.28 Dia. of Screw shaft 9.28" Material of steel
 the screw shaft fitted with a continuous liner the whole length of the stern tube no liners Is the after end of the liner made water tight
 the propeller boss 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 If two
 ers are fitted, is the shaft lapped or protected between the liners Length of stern bush 3'-5 1/2"
 a. of Tunnel shaft as per rule 7.74" Dia. of Crank shaft journals as per rule 8.127" Dia. of Crank pin 8 1/4" Size of Crank webs 5 1/2" x 16" Dia. of thrust shaft under
 lars 8 1/4" Dia. of screw 11-0" Pitch of Screw 10-9" No. of Blades 4 State whether moveable no Total surface 38 ft
 of Feed pumps Two Diameter of ditto 2 1/4" Stroke 18" Can one be overhauled while the other is at work yes
 of Bilge pumps Two Diameter of ditto 2 1/4" Stroke 18" Can one be overhauled while the other is at work yes
 of Donkey Engines Two Sizes of Pumps 6" x 6" No. and size of Suctions connected to both Bilge and Donkey pumps
 Engine Room Two 3" dia & one 3" dia in tunnel well In Holds, &c. Two 3" dia in Fore hold & one 3" dia
 after hold
 o. of Bilge Injections one size 3 1/2" Connected to condenser, or to circulating pump pump Is a separate Donkey Suction fitted in Engine room & size yes 3" dia
 re 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 none
 re all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks both
 ere 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
 re 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
 hat pipes are carried through the bunkers none How are they protected
 re all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes
 re the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges yes
 ates of examination of completion of fitting of Sea Connections 8-10-15 of Stern Tube 8-10-15 Screw shaft and Propeller 7-1-16
 the Screw Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from Top platform of P.R.

ILERS, &c.—(Letter for record S) Manufacturers of Steel D. Colville Sons
 Total Heating Surface of Boilers 2280 ft Is Forced Draft fitted no No. and Description of Boilers Two single ended
 Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 22-10-15 No. of Certificate 3107
 Can each boiler be worked separately yes Area of fire grate in each boiler 35 sq ft No. and Description of Safety Valves to
 ach boiler Two spring loaded Area of each valve 3.97 sq in Pressure to which they are adjusted 185 Are they fitted with easing gear yes
 Smallest distance between boilers and bunkers 10" Mean dia. of boilers 132" Length 10'-6" Material of shell plates steel
 Thickness 1" Range of tensile strength 28-32 tons Are the shell plates welded or flanged no Descrip. of riveting: cir. seams double
 ong. seams J.R. & B. Diameter of rivet holes in long. seams 1 1/4" Pitch of rivets 7 1/4" Lap of plates or width of butt straps 15 1/2"
 Per centages of strength of longitudinal joint rivets 91.4 plate 85.34 Working pressure of shell by rules 199 Size of manhole in shell 12" x 16"
 Size of compensating ring 7" x 1" No. and Description of Furnaces in each boiler Two Dighton Material steel Outside diameter 42 1/4"
 Length of plain part top bottom Thickness of plates crown 1 1/2" bottom 1 1/2" Description of longitudinal joint welded No. of strengthening rings 12
 Working pressure of furnace by the rules 193 Combustion chamber plates: Material steel Thickness: Sides 3/16" Back 2 3/32" Top 3/4" Bottom 1 3/16"
 Pitch of stays to ditto: Sides 10 3/4" x 9" Back 10 3/4" x 8 1/2" Top 10 3/4" x 9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 191
 Water Capacity 48 Tons Material of stays steel Diameter at smallest part 2.07" Area supported by each stay 97 sq in Working pressure by rules 192 End plates in steam space:
 41 Area Thickness 29/32" Pitch of stays 15" x 13 3/4" How are stays secured 8" x 1 1/2" Working pressure by rules 188 Material of stays steel
 Diameter at smallest part 4.22" Area supported by each stay 206 sq in Working pressure by rules 208 Material of Front plates at bottom steel
 Thickness 29/32" Material of Lower back plate steel Thickness 29/32" Greatest pitch of stays 14" x 8 1/2" Working pressure of plate by rules 211
 Diameter of tubes 3 1/4" Pitch of tubes 4 1/2" Material of tube plates steel Thickness: Front 29/32" Back 1 3/16" Mean pitch of stays 9"
 Pitch across wide water spaces 13 1/4" Working pressures by rules 203 Girders to Chamber tops: Material steel Depth and
 thickness of girder at centre 8 1/2" x 1 1/2" Length as per rule 28.65" Distance apart 10 3/4" Number and pitch of stays in each Two 9"
 Working pressure by rules 191 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
 21-2 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 87 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

