

REPORT ON MACHINERY.

No. 29493

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Date of writing Report 19 When handed in at Local Office 12/11/10 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 10th March 10. Last Survey Nov. 8th 1910
 Reg. Book. on the s/s "COCONADA" (Number of Visits 65.)
 Master Built at Whiteinch By whom built Barclay Curle & Co. Ltd. Tons Gross 3958. Net 2162.
 Engines made at Glasgow By whom made Barclay Curle & Co. Ltd. when made 1910
 Boilers made at Glasgow By whom made Barclay Curle & Co. Ltd. when made 1910
 Registered Horse Power Owners British India Steam Navigation Co. Ltd. Port belonging to Glasgow
 Nom. Horse Power as per Section 28 573 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

ENGINES, &c.—Description of Engines Twin triple expansion No. of Cylinders 6 No. of Cranks 6
 Dia. of Cylinders 18" 30 1/2" 52" Length of Stroke 3'-6" Revs. per minute 100 Dia. of Screw shaft as per rule 11.48" Material of steel
 as fitted 11.3/4" 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 If two
 liners are fitted, is the shaft lapped or protected between the liners Length of stern bush 4'-3"
 Dia. of Tunnel shaft as per rule 10.51" Dia. of Crank shaft journals as per rule 11.03" Dia. of Crank pin 11 1/4" Size of Crank webs 7 1/2" x 15 3/4"
 as fitted 10 3/4" Dia. of screw 13'-6" Pitch of Screw 18'-3" No. of Blades 3 State whether moveable yes Total surface 48.1 sq ft
 collars 11 1/4" Dia. of screw 13'-6" Pitch of Screw 18'-3" No. of Blades 3 State whether moveable yes Total surface 48.1 sq ft
 No. of Feed pumps 4 Diameter of ditto 4" Stroke 21" Can one be overhauled while the other is at work yes
 No. of Bilge pumps 4 Diameter of ditto 4" Stroke 21" Can one be overhauled while the other is at work yes
 No. of Donkey Engines 8 Sizes of Pumps 2" x 24" 1" x 5" 1" x 10" 1" x 3" x 6" x 6" No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room 2 @ 3 1/2" + in Boiler Room 2 @ 3 1/2" In Holds, &c. No. 1 2 @ 3 1/2", No. 2 2 @ 3 1/2", For Bunker
 2 @ 3 1/2", Deep Tank 2 @ 3 1/2", No. 3 Hold 2 @ 2 1/2", Tunnel well 1 @ 2 1/2"
 No. of Bilge Injections 2 sizes 7" Connected to condenser, or to circulating pump pump Is a separate Donkey Suction fitted in Engine room & size 1 @ 4"
 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
 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 How are they protected
 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 19-9-10 of Stern Tube 19-9-10 Screw shaft and Propeller 19-9-10
 Is the Screw Shaft Tunnel watertight yes Is it fitted with a watertight door yes worked from Cylr. Platform

BOILERS, &c.—(Letter for record) Manufacturers of Steel Stewart & Lloyd Colchester & the Lanarkshire Steel Co.
 Total Heating Surface of Boilers 8616 sq ft Is Forced Draft fitted yes No. and Description of Boilers 3 Single Ended
 Working Pressure 215 Tested by hydraulic pressure to 430 Date of test 26-8-10 + 9-9-10 No. of Certificate 10550 + 10580
 Can each boiler be worked separately yes Area of fire grate in each boiler 71.5 sq ft No. and Description of Safety Valves to
 each boiler double spring loaded Area of each valve 9.62 sq ft Pressure to which they are adjusted 220 Are they fitted with easing gear yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 12" Mean dia. of boilers 15'-9" Length 11'-9" Material of shell plates steel
 Thickness 1 5/8" Range of tensile strength 30/34 tons Are the shell plates welded or flanged no Descrip. of riveting: cir. seams T.R. Lap
 long. seams J.R. & S. Diameter of rivet holes in long. seams 1 5/8" Pitch of rivets 10 3/32" Lap of plates or width of butt straps 23"
 Per centages of strength of longitudinal joint rivets 94.7 plate 84 Working pressure of shell by rules 251 Size of manhole in shell 17" x 13"
 Size of compensating ring 9 1/2" x 1 5/8" No. and Description of Furnaces in each boiler 4 horizontal Corrugated Material steel Outside diameter 3'-7 1/4"
 Length of plain part top bottom Thickness of plates crown bottom 5/8" Description of longitudinal joint weld No. of strengthening rings
 Working pressure of furnace by the rules 233 Combustion chamber plates: Material steel Thickness: Sides 21/32" Back 21/32" Top 21/32" Bottom 15/16"
 Pitch of stays to ditto: Sides 7 3/8" x 8 1/8" Back 8 1/2" x 7 3/4" Top 8 1/8" x 7 3/4" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 225
 Material of stays steel Area at smallest part 1.73 sq ft Area supported by each stay 63.98 Working pressure by rules 216 End plates in steam space:
 Material steel Thickness 1 3/32" Pitch of stays 19 1/2" x 15 1/4" How are stays secured J nuts Working pressure by rules 217 Material of stays steel
 Area at smallest part 7.24 Area supported by each stay 297.375 Working pressure by rules 253 Material of Front plates at bottom steel
 Thickness 1 3/16" Material of Lower back plate steel Thickness 2 9/32" Greatest pitch of stays 14" x 7 3/4" Working pressure of plate by rules 222
 Diameter of tubes 2 1/2" Pitch of tubes 3 3/4" x 3 5/8" Material of tube plates steel Thickness: Front 3/32" Back 1/16" Mean pitch of stays abt. 7 1/2"
 Pitch across wide water spaces 13 1/2" Working pressures by rules 224 Girders to Chamber tops: Material steel Depth and
 thickness of girder at centre 10" x 2 @ 3/4" Length as per rule 32" Distance apart 8 1/8" Number and pitch of stays in each 3 @ 7 3/4"
 Working pressure by rules 252 Superheater or Steam chest; how connected to boiler none 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

