

REPORT ON MACHINERY.

MUN. AUG 26 1901

Port of Newcastle

Received at London Office MON. 2 JUL 1900

No. in Survey held at Wallsend

Date, first Survey April 1900 Last Survey June 6th 1900.

on the (Austrian Lloyd's 157062)

Tons { Gross
Net

Built at _____ By whom built _____ When built _____

Engines made at _____ By whom made _____ when made _____

Motors made at Wallsend By whom made Wallsend Shipway Co when made 1900.

Registered Horse Power _____ Owners _____ Port belonging to _____

Is Refrigerating Machinery fitted _____ Is Electric Light fitted _____

GINES, &c.—Description of Engines		No. of Cylinders	No. of Cranks
No. of Cylinders	Length of Stroke	Revs. per minute	Dia. of Screw shaft as per rule
No. of Tunnel shaft as per rule	Dia. of Crank shaft journals as per rule	Dia. of Crank pin	Lgth. of stern bush as fitted
No. of Tunnel shaft as fitted	Dia. of Crank shaft journals as fitted	Dia. of Crank pin	Size of Crank webs
No. of Cranks	Dia. of screw	Pitch of screw	No. of blades
No. of Cranks	Dia. of screw	Pitch of screw	State whether moveable
No. of Cranks	Dia. of screw	Pitch of screw	Total surface
No. of Feed pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work
No. of Bilge pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work
No. of Donkey Engines	Sizes of Pumps	No. and size of Suctions connected to both Bilge and Donkey pumps	
Engine Room		In Holds, &c.	

of bilge injections sizes _____ Connected to condenser, or to circulating pump _____ Is a separate donkey suction fitted in Engine room & size _____

all the bilge suction pipes fitted with roses _____ Are the roses in Engine room always accessible _____ Are the sluices on Engine room bulkheads always accessible _____

all connections with the sea direct on the skin of the ship _____ Are they Valves or Cocks _____

they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates _____ Are the discharge pipes above or below the deep water line _____

they each fitted with a discharge valve always accessible on the plating of the vessel _____ Are the blow off cocks fitted with a spigot and brass covering plate _____

if pipes are carried through the bunkers _____ How are they protected _____

all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times _____

the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges _____

the stern tube, propeller, screw shaft, and all connections examined in dry dock _____ Is the screw shaft tunnel watertight _____

fitted with a watertight door _____ worked from _____

BOILERS, &c.— (Letter for record S) Total Heating Surface of Boilers 7690 sq ft Is forced draft fitted _____

and Description of Boilers 3 Single ended, mult. Working Pressure 200 lbs Tested by hydraulic pressure to _____

of test Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of safety valves to _____

boiler Area of each valve _____ Pressure to which they are adjusted _____ Are they fitted with easing gear _____

least distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers 15-6 Length 12-0 Material of shell plates Steel

thickness 1 1/2 Range of tensile strength 29-32 Are they welded or flanged No Descrip. of riveting: cir. seams TR lap long. seams DBS, TR

diameter of rivet holes in long. seams 1 1/2 Pitch of rivets 9 1/2 Lap of plates or width of butt straps 2 2 1/4

percentages of strength of longitudinal joint rivets 94-0 Working pressure of shell by rules 218 lbs Size of manhole in shell 16 x 12

of compensating ring 8 x 1 1/2 No. and Description of Furnaces in each boiler 3 Straightons Material Steel Outside diameter 45 3/4

of plain part top _____ bottom _____ Thickness of plates crown 5 bottom 8 Description of longitudinal joint welded No. of strengthening rings two

working pressure of furnace by the rules 205 lbs Combustion chamber plates: Material Steel Thickness: Sides 5/8 Back 5/8 Top 5/8 Bottom 11/16

of stays to ditto: Sides 8 x 8 Back 8 x 8 Top 8 x 7 5/8 If stays are fitted with nuts or riveted heads _____ Working pressure by rules 221 lbs

diameter of stays Steel Diameter at smallest part 1 9/16 Area supported by each stay 64 sq in Working pressure by rules 293 lbs End plates in steam space: _____

material Steel Thickness 1 1/2 Pitch of stays 16 x 15 1/2 How are stays secured DN+W Working pressure by rules 200 lbs Material of stays Steel

diameter at smallest part 2 3/32 Area supported by each stay 248 sq in Working pressure by rules 205 lbs Material of Front plates at bottom Steel

Material of Lower back plate Steel Thickness 1/16 Greatest pitch of stays 13 1/2 Working pressure of plate by rules 281 lbs

diameter of tubes 2 1/2 Pitch of tubes 3 3/4 x 3 3/32 Material of tube plates Steel Thickness: Front 3/32 Back 3/4 Mean pitch of stays 7 3/16

across wide water spaces 13 1/2 Working pressures by rules 200 lbs Girders to Chamber tops: Material Steel Depth and _____

thickness of girder at centre 9 1/2 x 1/2 Length as per rule 34 5/8 Distance apart 8 Number and pitch of Stays in each 3-7 5/8

working pressure by rules 209 lbs Superheater or Steam chest; how connected to boiler None Can the superheater be shut off and the boiler worked _____

Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet _____

Pitch of rivets _____ Working pressure of shell by rules _____ Diameter of flue _____ Material of flue plates _____ Thickness _____

strengthened 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 _____

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