

4. G. Beck 12885
No. 18497

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REPORT ON MACHINERY.

SAT. JAN 5 1901

27 NOV. 1900

Port of Glasgow

Received at London Office. TUES. 7 DEC 18 1900

No. in Survey held at Glasgow
Reg. Book. Sup

Date, first Survey 16 May Last Survey 14 Nov. 1900

79 on the S. S. Alberta.

(Number of Visits 14)

Tons { Gross 3959.75
Net 2576.46

Master A. Bissanich. Built at Port Glasgow By whom built Russell & Co

When built 1900

Engines made at Glenoch By whom made Rankin & Blackmore when made 1900

Boiler made at Glasgow. By whom made Lindsay Burnet & Co when made 1900.

Registered Horse Power _____ Owners Inatelli Cosulich. Port belonging to Trieste.

Com. Horse Power as per Section 28 346 Is Refrigerating Machinery fitted no Is Electric Light fitted no.

ENGINES, &c.—Description of Engines

No. of Cylinders	Length of Stroke	Revs. per minute	Dia. of Screw shaft	No. of Cranks
as per rule	as per rule	as per rule	as per rule	as per rule
Dia. of Tunnel shaft	Dia. of Crank shaft journals	Dia. of Crank pin	Size of Crank webs	Lgth. of stern bush
as fitted	as fitted	as fitted	as fitted	as fitted
Dia. of screw	Pitch of screw	No. of blades	State whether moveable	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.

No. of bilge injections sizes Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size

Are 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

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

Are 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

Are 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

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

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

Is it fitted with a watertight door worked from

BOILERS, &c.—

(Letter for record) Total Heating Surface of Boilers Is forced draft fitted

No. and Description of Boilers One Single Ended Working Pressure 80 lbs Tested by hydraulic pressure to 160 lbs

Date of test 29/10/00 Can each boiler be worked separately Area of fire grate in each boiler 23 sq ft No. and Description of safety valves to

each boiler Two direct spring Area of each valve 5.94 sq in Pressure to which they are adjusted 80 lbs Are they fitted with easing gear yes

Smallest distance between boilers or uptakes and bunkers or woodwork Boiler on deck Mean dia. of boilers 9-6 1/2 Length 8-0 Material of shell plates Steel

Thickness 1/2 Range of tensile strength 2732 Are they welded or flanged no Descrip. of riveting: cir. seam Single Lap long. seams Double Lap

Diameter of rivet holes in long. seams 13/16 Pitch of rivets 3 7/16 Lap of plates or width of butt straps 5 3/4

Percentages of strength of longitudinal joint rivets 76.9 Working pressure of shell by rules 80 lbs Size of manhole in shell 16" x 12"

Size of compensating ring 24 1/2 x 25 x 5/8 No. and Description of Furnaces in each boiler Two plain Material Steel Outside diameter 34"

Length of plain part top 59" bottom 59" Thickness of plates crown 13/32 bottom 13/32 Description of longitudinal joint Welded No. of strengthening rings None

Working pressure of furnace by the rules 88 Combustion chamber plates: Material Steel Thickness: Sides 1/2 Back 15/32 Top 19/32 Bottom 1/2

Pitch of stays to ditto: Sides 9 x 8 1/2 Back 9 x 9 Top 12 x 9 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 83 lbs

Material of stays Steel Diameter at smallest part 1.19 Area supported by each stay 88 sq in Working pressure by rules 95 lbs End plates in steam space:

Material Steel Thickness 5/8 Pitch of stays 14 3/4 x 14 How are stays secured Double Nuts Working pressure by rules 88 Material of stays Steel

Diameter at smallest part 2.03 Area supported by each stay 206 sq in Working pressure by rules 98 Material of Front plates at bottom Steel

Thickness 5/8 Material of Lower back plate Steel Thickness 9/16 Greatest pitch of stays 9" Working pressure of plate by rules 135

Diameter of tubes 3 1/2 Pitch of tubes 4 1/2 Material of tube plates Steel Thickness: Front 5/8 Back 5/8 Mean pitch of stays 12 3/4

Pitch across wide water spaces 13 Working pressures by rules 83 lbs Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 6" x 1 1/2 Length as per rule 23 Distance apart 12 Number and pitch of Stays in each One, 11 1/2

Working pressure by rules 93 lbs 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 _____

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

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 _____

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