

REPORT ON MACHINERY.

No. 2641.

Received at London Office

APR 12 1911

Date of writing Report 9/4/11 When handed in at Local Office 9/4/11 19 19 Port of Trieste
 in Survey held at Regeusburg Date, First Survey 24-1-11 Last Survey 7-4-11 19
 g. Book. on the Ferry steamer No 6 (Number of Visits 5)

Registered Horse Power 27 Owners Soc. de Nav. anpen dan la Corne Port belonging to Constantinople
 m. Horse Power as per Section 28 27 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted
 Built at Regeusburg By whom built Ch. Ruffof Tons } Gross }
 } Net }
 When built 1911
 Engines made at Zurich By whom made Escher Wyss & Co when made 1911
 Movers made at D By whom made D when made 1911

Registered Horse Power 27 Owners Soc. de Nav. anpen dan la Corne Port belonging to Constantinople
 m. Horse Power as per Section 28 27 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

GINES, &c.—Description of Engines Compound No. of Cylinders 2 No. of Cranks 2
 No. of Cylinders 402 x 18.9 Length of Stroke 11.81 Revs. per minute 240 Dia. of Screw shaft as per rule Material of screw shaft as fitted

Is the screw shaft fitted with a continuous liner the whole length of the stern tube Is the after end of the liner made water tight
 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 19.68

Dia. of Tunnel shaft as per rule Dia. of Crank shaft journals as per rule Dia. of Crank pin as per rule Size of Crank webs as fitted Dia. of thrust shaft under bars as fitted

No. of Feed pumps 1 Diameter of ditto 2.16 Stroke 4 Can one be overhauled while the other is at work
 No. of Bilge pumps 1 Diameter of ditto 2.16 Stroke 4 Can one be overhauled while the other is at work

No. of Donkey Engines 2 Sizes of Pumps 3x2x3 No. and size of Suctions connected to both Bilge and Donkey pumps 2
 Engine Room one 2 In Holds, &c. Foremast holds one each, 2 dia

No. of Bilge Injections 1 sizes 2.75 Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size 2 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 None

Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Cocks
 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
 How are they protected None

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 25/11 of Stern Tube 25/11 Screw shaft and Propeller 25/11
 Is the Screw Shaft Tunnel watertight no tunnel Is it fitted with a watertight door Yes worked from Stiffing Box for shaft at wt. end

MILERS, &c.—(Letter for record) Manufacturers of Steel
 Total Heating Surface of Boilers 6500 Is Forced Draft fitted No. and Description of Boilers 1 Marine Single ended

Working Pressure 150 lbs Tested by hydraulic pressure to 150 Date of test 1911 No. of Certificate 1
 Can each boiler be worked separately Area of fire grate in each boiler 13 No. and Description of Safety Valves to each boiler 1 Are they fitted with easing gear Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 13 Mean dia. of boilers 13 Length 13 Material of shell plates 13
 Thickness 13 Range of tensile strength 13 Are the shell plates welded or flanged Descrip. of riveting: cir. seams 13

Working pressure of shell by rules 150 lbs Size of manhole in shell 13
 Diameter of rivet holes in long. seams 13 Pitch of rivets 13 Lap of plates or width of butt straps 13

Percentage of strength of longitudinal joint 13 Working pressure of shell by rules 150 lbs Size of manhole in shell 13
 No. and Description of Furnaces in each boiler 1 Material 13 Outside diameter 13

Length of plain part 13 Thickness of plates 13 Description of longitudinal joint 13 No. of strengthening rings 13
 Working pressure of furnace by the rules 13 Compression number plates: Material 13 Thickness: Sides 13 Back 13 Top 13 Bottom 13

Pitch of stays to shell: Sides 13 Back 13 Top 13 Working pressure by rules 13
 Material of stays 13 Diameter of smallest part 13 Area supported by each stay 13 Working pressure by rules 13 End plates in steam space: 13

Material 13 Thickness 13 Pitch of stays 13 How are stays secured 13 Working pressure by rules 13 Material of stays 13
 Diameter at smallest part 13 Area supported by each stay 13 Working pressure by rules 13 Material of Front plates at bottom 13

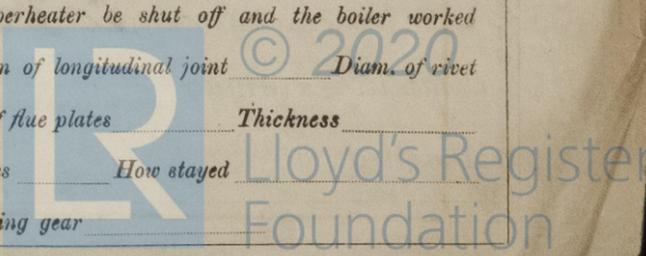
Thickness 13 Material of Lower back plate 13 Thickness 13 Greatest pitch of stays 13 Working pressure of plate by rules 13
 Diameter of tubes 13 Pitch of tubes 13 Material of tube plates 13 Thickness: Front 13 Back 13 Mean pitch of stays 13

Pitch across wide water spaces 13 Working pressures by rules 13 Girders to Chamber tops: Material 13 Depth and thickness of girder at centre 13
 Length as per rule 13 Distance apart 13 Number and pitch of stays in each 13

Working pressure by rules 13 Superheater or Steam chest; how connected to boiler 13 Can the superheater be shut off and the boiler worked separately
 Diameter 13 Length 13 Thickness of shell plates 13 Material 13 Description of longitudinal joint 13 Diam. of rivet holes 13

Pitch of rivets 13 Working pressure of shell by rules 13 Diameter of flue 13 Material of flue plates 13 Thickness 13
 If stiffened with rings 13 Distance between rings 13 Working pressure by rules 13 End plates: Thickness 13 How stayed 13
 Working pressure of end plates 13 Area of safety valves to superheater 13 Are they fitted with easing gear 13

See Report of 9/6/11
for the particulars of the engines
See Report of 9/6/11



VERTICAL DONKEY BOILER— Manufacturers of Steel

No. _____ Description _____
 Made at _____ By whom made _____ When made _____ Where fixed _____
 Working pressure tested by hydraulic pressure to _____ Date of test _____ No. of Certificate _____ Fire grate area _____ Description of Say _____
 Valves _____ No. of Safety Valves _____ Area of each _____ Pressure to which they are adjusted _____ Date of adjustment _____
 If fitted with easing gear _____ If steam from main boilers can enter the donkey boiler _____ Dia. of donkey boiler _____ Length _____
 Material of shell plates _____ Thickness _____ Range of tensile strength _____ Descrip. of riveting long. seams _____
 Dia. of rivet holes _____ Whether punched or drilled _____ Pitch of rivets _____ Lap of plating _____ Per centage of strength of joint _____ Rivets _____ Plates _____
 Working pressure of shell by rules _____ Thickness of shell crown plates _____ Radius of do. _____ No. of stays to do. _____ Dia. of stays _____
 Diameter of furnace Top _____ Bottom _____ Length of furnace _____ Thickness of furnace plates _____ Description of joint _____
 Working pressure of furnace by rules _____ Thickness of furnace crown plates _____ Radius of do. _____ Stayed by _____
 Diameter of uptake _____ Thickness of uptake plates _____ Thickness of water tubes _____ Dates of survey _____

SPARE GEAR. State the articles supplied:— *2 Bottom end bolts. There are no top end bolts in this engine. 2 main bearing bolts. The set of bolts + nuts for shaft + fly wheel sleeve couplings. The set feet + keys pump valve. Assorted Bolt nuts + various sizes of iron. Propellers. Balastakes.*

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } 25 January 1911 2nd February + 5th 6th + 7th April 1911.
 { During erection on board vessel - - } 5.
 Total No. of visits _____

Is the approved plan of main boiler forwarded herewith _____

Dates of Examination of principal parts—Cylinders _____ Slides _____ Covers _____ Pistons _____ Rods _____
 Connecting rods _____ Crank shaft _____ Thrust shaft _____ Tunnel shafts _____ Screw shaft 25.1.11. Propeller 25.1.11
 Stern tube 25.1.11. Steam pipes tested 5.4.11. Engine and boiler seatings 25.1.11. Engines holding down bolts 2.3.11.
 Completion of pumping arrangements 7.4.11. Boilers fixed 2.3.11. Engines tried under steam 6.4.11.
 Main boiler safety valves adjusted 5.4.11. Thickness of adjusting washers 13 + 14 M-M.
 Material of Crank shaft _____ Identification Mark on Do. _____ Material of Thrust shaft _____ Identification Mark on Do. _____
 Material of Tunnel shafts _____ Identification Marks on Do. _____ Material of Screw shafts _____ Identification Marks on Do. _____
 Material of Steam Pipes _____ Solid drawn copper. _____ Test pressure 300 lb.

General Remarks (State quality of workmanship, opinions as to class, &c.) *The engine + bolts have been placed on board under survey + satisfactorily secured, + tested under steam + the spare gear examined + checked, + the case is in my opinion eligible for the notation + date 4.11.*

It is submitted that the vessel is eligible for THE RECORD. + LMC 4.11.

JWD
 17/4/11

G.D. Ritchie

Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

N.B. This offered (Tri) to be credited with £3 from Genoa office.

The amount of Entry Fee .. £ : : When applied for, 9/4/11.
 Special .. £ : :
 Donkey Boiler Fee .. £ : :
 Travelling Expenses (if any) *£300.00* See Gen rpt

Committee's Minute

Assigned

THU 13 APR 1911

Home 4.11

WED 7 JUN 1911



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Certificate (if required) to be sent to _____
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)