

## REPORT ON MACHINERY.

No. 2367.  
MUN. 28 FEB 1910

Received at London Office

Date of writing Report 23-2-10 When handed in at Local Office 23-2-10 Port of Trieste  
 No. in Survey held at Monfalcone Date, First Survey 19-10-09 Last Survey 22-2-10  
 Reg. Book. SS. SARAJEVO (Number of Visits 12)

Master Glasgow Built at Monfalcone By whom built Cantieri Navali Triestini When built 1910  
 Engines made at Glasgow By whom made Barclay Curlew & Co when made 1910  
 Boilers made at Glasgow By whom made Do when made 1910

Registered Horse Power 247 Owners Lloyd Austriaco Port belonging to Trieste  
 Nom. Horse Power as per Section 28 247 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Triple expansion No. of Cylinders 3 No. of Cranks 3  
 Dia. of Cylinders 24 35 56 Length of Stroke 36 Revs. per minute 102 Dia. of Screw shaft as per rule Material of as fitted 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 Yes  
 in the propeller Yes the liner is in more than one length Yes the joints burned Yes If the liner does not fit tightly at the part Yes

Is the stern tube fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight Yes  
 in the propeller Yes the liner is in more than one length Yes the joints burned Yes If the liner does not fit tightly at the part Yes

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## 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 Safety \_\_\_\_\_

Valves *Spring loaded* No. of Safety Valves *2* Area of each *1 1/4* Pressure to which they are adjusted *120 lbs* Date of adjustment *12-1-10*

If fitted with casing gear *Yes* If steam from main boilers can enter the donkey boiler *No* 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: *Propeller shaft. 1 each of top & bottom & main bearing bolts, one set of coupling bolts, push ring studs, feed & bilge pump valves, bolts & nuts, assorted iron.*

The foregoing is a correct description, **CANTIERE NAVALE TRIESTINO**  
Manufacturer. *fillary*

Dates of Survey { During progress of work in shops - *209*  
while building { During erection on board vessel - *209*  
Total No. of visits *12* Is the approved plan of main boiler forwarded herewith *No*

*190.*  
*Oct. 19, Nov. 9, 16, 19, 30. Dec. 4, 11, 28. Jan 8-12, Feb. 22*

Dates of Examination of principal parts—Cylinders \_\_\_\_\_ Slides \_\_\_\_\_ Covers \_\_\_\_\_ Pistons \_\_\_\_\_ Rods \_\_\_\_\_

Connecting rods \_\_\_\_\_ Crank shaft \_\_\_\_\_ Thrust shaft \_\_\_\_\_ Tunnel shafts \_\_\_\_\_ Screw shaft \_\_\_\_\_ Propeller \_\_\_\_\_

Stern tube \_\_\_\_\_ Steam pipes tested *4-12-09* Engine and boiler seatings *19-10-09* Engines holding down bolts *28-12-09*

Completion of pumping arrangements *28-12-09* Boilers fixed *28-12-09* Engines tried under steam *22-2-10*

Main boiler safety valves adjusted *8-1-10* Thickness of adjusting washers *3/16*

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 *Copper solid drawn* Test pressure *360 lbs.*

General Remarks (State quality of workmanship, opinions as to class, &c.) *This machinery has been satisfactorily fitted on board the vessel & tested under steam & the case is in my opinion eligible for the notation + HMC 2.10.*

Date of build of Machinery  
to be recorded as *1910*

*ARK*  
*1.3.10*

It is submitted that  
this vessel is eligible for  
**THE RECORD. + L.M.C. 2.10.**

*JWD.*  
*28/3/10*

The amount of Entry Fee \_\_\_\_\_  
Special *258-80*  
Donkey Boiler Fee \_\_\_\_\_  
Travelling Expenses (if any) *80-40*

When applied for, *23/2/10*  
When received, *25/2/10*

*L. W. Ritchie.*  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Assigned

**TUES. 1 MAR 1910**

*+ L.M.C. 2.10*



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