

# REPORT ON MACHINERY.

No. 35186

Received at London Office

WED. JUN. -9. 1915

of writing Report June 3<sup>rd</sup> 1915 to 15 When Kahdada in at Local Office June 3<sup>rd</sup> 1915 Port of Glasgow  
 in Survey held at Coatbridge Date, First Survey 10/2/15 Last Survey June 3<sup>rd</sup> 1915  
 g. Book. S/S "FRENCH ROSE" (Number of Plates 20)  
 on the

ater Built at Hardinxveld By whom built N. V. Scheepswaerf "De Merwede" Tons 1415 Net 1415 Gross 1415 When built 1915  
 gines made at Coatbridge By whom made William Beardmore & Co Del R445 when made 1915  
 lers made at Glasgow By whom made Dunsmuir & Jackson L<sup>ts</sup> 1915 when made 1915  
 istered Horse Power 74 Owners H. Hughes & Co. Port belonging to Liverpool  
 n. Horse Power as per Section 28 74 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

GINES, &c.—Description of Engines Marine Type Triple Expansion No. of Cylinders 3 No. of Cranks 3  
 . of Cylinders 13, 20, & 33" Length of Stroke 24 Revs. per minute 121 Dia. of Screw shaft 7 1/2 as per rule 7 1/2 Material of Steel  
 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  
 e propeller boss Yes If the liner is in more than one length are the joints burned Yes If the liner does not fit tightly at the part  
 on the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes If two  
 are fitted, is the shaft lapped or protected between the liners Yes Length of stern bush 2' 9"  
 of Tunnel shaft as per rule 6' 4" Dia. of Crank shaft journals as per rule 6' 7 3/4" Dia. of Crank pin 6 7/8" Size of Crank webs 13 1/2 x 4 1/2" Dia. of thrust shaft under  
 as fitted 6 7/8" Dia. of screw 9' 0" Pitch of Screw 9' 9" No. of Blades 4 State whether moveable No Total surface 32. P  
 Feed pumps 2 Diameter of ditto 2 1/2" Stroke 12" Can one be overhauled while the other is at work Yes  
 Bilge pumps 2 Diameter of ditto 2 1/2" Stroke 12" Can one be overhauled while the other is at work Yes  
 Donkey Engines 2 Sizes of Pumps 5 1/2 x 3 1/2 x 5, & 6 x 6 x 6" No. and size of Suctions connected to both Bilge and Donkey pumps  
 ine Room 2-2" In Holds, &c. 3-2"

ilge Injections 1 sizes 3" Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size Yes 2 1/2"  
 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 Yes  
 connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both  
 y 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 Above  
 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  
 pipes are carried through the bunkers None How are they protected Yes  
 Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes  
 Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes  
 f examination of completion of fitting of Sea Connections 29. 5. 15 of Stern Tube 29. 5. 15 Screw shaft and Propeller 29. 5. 15  
 Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Yes

RS, &c.—(Letter for record) Manufacturers of Steel  
 Heating Surface of Boilers 1364 Is Forced Draft fitted No No. and Description of Boilers 1 Single Ended  
 g Pressure 180 lbs Tested by hydraulic pressure to 185 lbs Date of test 185 lbs No. of Certificate  
 h boiler be worked separately Yes Area of fire grate in each boiler 51.4 No. and Description of Safety Valves to Yes  
 ler One - 2 3/4" Duplex Area of each valve 5.93 Pressure to which they are adjusted 185 lbs Are they fitted with easing gear Yes  
 distance between boilers or uptakes and bunkers or woodwork 9" Mean dia. of boilers 34 1/8" Length 34 1/8" Material of shell plates  
 Range of tensile strength 34 1/8" Are the shell plates welded or flanged Yes Descrip. of riveting: cir. seams  
 Diameter of rivet holes in long. seams 34 1/8" Pitch of rivets 34 1/8" Lap of plates or width of butt straps  
 ntages of strength of longitudinal joint 34 1/8" Working pressure of shell by rules 34 1/8" Size of manhole in shell  
 compensating ring 34 1/8" No. and Description of Furnaces in each boiler 34 1/8" Material 34 1/8" Outside diameter  
 of plain part 34 1/8" Thickness of plates 34 1/8" Description of longitudinal joint 34 1/8" No. of strengthening rings  
 ng pressure of furnace by the rules 34 1/8" Combustion chamber plates: Material 34 1/8" Thickness: Sides 34 1/8" Back 34 1/8" Top 34 1/8" Bottom 34 1/8"  
 of stays to ditto: Sides 34 1/8" Back 34 1/8" Top 34 1/8" If stays are fitted with nuts or riveted heads 34 1/8" Working pressure by rules  
 al of stays 34 1/8" Diameter at smallest part 34 1/8" Area supported by each stay 34 1/8" Working pressure by rules 34 1/8" End plates in steam space  
 at 34 1/8" Thickness 34 1/8" Pitch of stays 34 1/8" How are stays secured 34 1/8" Working pressure by rules 34 1/8" Material of stays  
 eter at smallest part 34 1/8" Area supported by each stay 34 1/8" Working pressure by rules 34 1/8" Material of Front plates at bottom  
 kness 34 1/8" Material of Lower back plate 34 1/8" Thickness 34 1/8" Greatest pitch of stays 34 1/8" Working pressure of plate by rules  
 eter of tubes 34 1/8" Pitch of tubes 34 1/8" Material of tube plates 34 1/8" Thickness: Front 34 1/8" Back 34 1/8" Mean pitch of stays  
 h across wide water spaces 34 1/8" Working pressures by rules 34 1/8" Girders to Chamber tops: Material 34 1/8" Depth and  
 ness of girder at centre 34 1/8" Length as per rule 34 1/8" Distance apart 34 1/8" Number and pitch of stays in each  
 king pressure by rules 34 1/8" Superheater or Steam chest; how connected to boiler 34 1/8" Can the superheater be shut off and the boiler worked  
 ately 34 1/8" Diameter 34 1/8" Length 34 1/8" Thickness of shell plates 34 1/8" Material 34 1/8" Description of longitudinal joint 34 1/8" Diam. of rivet  
 Pitch of rivets 34 1/8" Working pressure of shell by rules 34 1/8" Diameter of flue 34 1/8" Material of flue plates 34 1/8" Thickness 34 1/8"  
 ftened with rings 34 1/8" Distance between rings 34 1/8" Working pressure by rules 34 1/8" End plates: Thickness 34 1/8" How stayed 34 1/8"  
 king pressure of end plates 34 1/8" Area of safety valves to superheater 34 1/8" Are they fitted with easing gear 34 1/8"

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:— 2 Top End Bolts & Nuts 2 Bottom End Bolts & Nuts  
2 Main Bearing Bolts & Nuts, 1 set of Coupling Bolts, 1 set of Feed Pump  
Valves, 1 set of Bilge Pump Valves, Assorted Nut & Bolts, Lion of Various Sizes  
Solid C/Iron Propeller

The foregoing is a correct description.

WILLIAM BEARDMORE & CO., LIMITED.

Manufacturer.

W. S. Wilson.

Dates of Survey while building { During progress of work in shops - - 1915 Feb. 10-17-25 Mar. 5-16-26-31 Apr. 9-16-20-27-28-30 May 6-10-14-21-24-29 Jun. 2  
During erection on board vessel - - -  
Total No. of visits 20

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 10. 2. 15. Slides 27. 4. 15. Covers 27. 4. 15. Pistons 16. 3. 15. Rods 27. 4. 15.  
Connecting rods 27. 4. 15. Crank shaft 16. 4. 15. Thrust shaft 9. 4. 15. Tunnel shafts 26. 3. 15. Screw shaft 9. 4. 15. Propeller 16. 3. 15.  
Stern tube 28. 2. 15. Steam pipes tested 14. 5. 15. Engine and boiler seatings 28. 4. 15. Engines holding down bolts 21. 5. 15.  
Completion of pumping arrangements 29. 5. 15. Boilers fixed 14. 5. 15. Engines tried under steam 29. 5. 15. 26. 15.  
Main boiler safety valves adjusted 24. 5. 15. Thickness of adjusting washers 5/16 & 5/16  
Material of Crank shaft S.M. Steel Identification Mark on Do. LLOYDS 7688 Material of Thrust shaft S.M. Steel Identification Mark on Do. LLOYDS 7688  
Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts S.M. Steel Identification Marks on Do. LLOYDS 7688  
Material of Steam Pipes Copper Test pressure 360 lb.  
Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case No If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.) This machinery has been built under special Survey; the materials and workmanship are good, and the fitting on board has been carried out in a satisfactory manner and in accordance with the requirements of the rules. The machinery having also been tried under steam and found to work satisfactorily is, in my opinion, eligible to have record of +LMC 6.15.

It is submitted that this vessel is eligible to remain as CLASSED. + LMC 6.15.

The amount of Entry Fee ... £ 1 :  
Special ... £ 11 : 2  
Donkey Boiler Fee ... £  
Travelling Expenses (if any) £

When applied for,

Open received,

8 JUN 1915

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

Committee's Minute GLASGOW

Assigned + LMC 6.15. subject to classification of hull + LMC 6.15

FRI JUN 18 1915

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