

REPORT ON BOILERS.

No. 17395.

WED. JAN. 15. 1919

Received at London Office

Date of writing Report 15th Dec 1918 When handed in at Local Office 14th Dec. 1918. Port of Greenock

No. in Survey held at Greenock Date, First Survey 16th May, 1918, Last Survey 13th Dec. 1918

Reg. Book. on the Steel screw Steamer WAR JASMINE (Number of Visits 36)

Master Built at Glasgow By whom built Harland & Wolff (No 548) When built 1918

Engines made at Glasgow By whom made Harland & Wolff (No 549) When made 1918

Boilers made at Greenock By whom made Caithness When made 1918

Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Colverson.

(Letter for record S) Total Heating Surface of Boilers 7665 sq ft Is forced draft fitted yes No. and Description of Boilers Three single ended Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 7/10/18

No. of Certificate 1362 Can each boiler be worked separately yes Area of fire grate in each boiler 63.5 sq ft No. and Description of safety valves to each boiler 2 Spring loaded Area of each valve 9.62 sq in Pressure to which they are adjusted 185 lb

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

Smallest distance between boilers or uptakes and bunkers or woodwork 1-9 in Mean dia. of boilers 15.6 in Length 11.6 in

Material of shell plates Steel Thickness 1 1/4 in Range of tensile strength 28-32 Are the shell plates welded or flanged

Descrip. of riveting: cir. seams long. seams all cut steel Diameter of rivet holes in long. seams 1 5/16 in Pitch of rivets 9/16 in

Lap of plates or width of butt straps 19 1/2 in Per centages of strength of longitudinal joint rivets 88% Working pressure of shell by rules 182 lb Size of manhole in shell 16-12 in Size of compensating ring flanged No. and Description of Furnaces in each boiler 3 Brighton Material Steel Outside diameter 50 1/4 in Length of plain part top bottom Thickness of plates crown bottom 19/32 in

Description of longitudinal joint beaded No. of strengthening rings long Working pressure of furnace by the rules 182 lb Combustion chamber plates: Material Steel Thickness: Sides 23/32 in Back 1 1/16 in Top 23/32 in Bottom 23/32 in Pitch of stays to ditto: Sides 10 7/8 in Back 10 1/4 in 8 1/4 in

Top 10 7/8 in 9 1/4 in If stays are fitted with nuts or riveted heads steel Working pressure by rules 180 lb Material of stays Steel Diameter at smallest part 2.43 in Area supported by each stay 98.3 sq in Working pressure by rules 222 lb End plates in steam space: Material Steel Thickness 1 1/8 in

Pitch of stays 21 1/4 in How are stays secured all nuts Working pressure by rules 181 lb Material of stays Steel Diameter at smallest part 8.29 in

Area supported by each stay 473 sq in Working pressure by rules 182 lb Material of Front plates at bottom Steel Thickness 3 1/2 in Material of Lower back plate Steel Thickness 2 7/8 in Greatest pitch of stays 13 5/8 in Working pressure of plate by rules 187 lb Diameter of tubes 2 3/4 in

Pitch of tubes 4 in 3 7/8 in Material of tube plates Steel Thickness: Front 3 1/2 in Back 1 3/16 in Mean pitch of stays 9.8 in Pitch across wide water spaces 13 5/8 in Working pressures by rules 181 lb Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 10-14 in Length as per rule 35.52 in Distance apart 10 5/8 in Number and pitch of Stays in each Three 9 1/4 in

Working pressure by rules 187 lb Superheater or Steam chest; how connected to boiler 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 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If 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

The foregoing is a correct description, FOR CAIRD AND COMPANY, LIMITED, Manufacturer.

Assistant Secretary

Dates of Survey while building During progress of work in shops (1918) May. 16. 21. 28. June. 4. 6. 10. 12. 18. 20. July. 18. 23. Is the approved plan of boiler forwarded herewith while building During erection on board vessel Nov. 1. 6. 15. 22. Dec. 2. 13. - Total No. of visits 36

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

Workmanship good.
These main boilers have been constructed under special survey in accordance with the approved photo prints and found good.

These boilers have now been satisfactorily fitted to the vessel
Gascastles
Gls 4/1/19

Survey Fee ... £ 29 : 4 : 9 When applied for. 8. 1. 1919.

Travelling Expenses (if any) £ : : When received, 8. 3. 1919.

Have credit Greenock with 1/4 machinery fee
James James
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 14 JAN 1919

Assigned See attached machinery report.



REPORT ON BOLLE

YEAR JASMINE

REMAINED

REMAINED

