

## REPORT ON BOILERS.

No. 18925.

4 JUL 1928

Date of writing Report 1-6-1928 When handed in at Local Office 24-6-1928 Port of Greenock  
 No. in Survey held at Greenock Date, First Survey 23<sup>rd</sup> November 1924 Last Survey 26<sup>th</sup> June 1928  
 Reg. Book. 918 "Temple Pier" (Number of Visits ✓) Gross Tons ✓ Net Tons ✓  
 on the Temple Pier  
 Master Built at Pharos By whom built Wm Hamilton & Co (403) When built 1928  
 Engines made at Greenock By whom made John Kincaid & Co (646) When made 1928  
 Boilers made at ditto By whom made ditto (646) When made 1928  
 Registered Horse Power Owners Temple & Co (Kamluk B & Co) Port belonging to London

## MULTITUBULAR BOILERS—MAIN,

(Letter for record S) Total Heating Surface of Boilers 4235 Is forced draft fitted No No. and Description of Boilers 3 Single Ended 3SB Working Pressure 200 Tested by hydraulic pressure to 350 Date of test 30.5.28  
 No. of Certificate 1828 Can each boiler be worked separately Yes Area of fire grate in each boiler 61.845 No. and Description of safety valves to each boiler Double Spring Area of each valve 404 Pressure to which they are adjusted 205  
 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 2-6" Mean dia. of boilers 15-6" Length 11-6"  
 Material of shell plates S Thickness 13/32 Range of tensile strength 28-32 Are the shell plates welded or flanged ✓  
 Descrip. of riveting: cir. seams DR long. seams TR & DBS Diameter of rivet holes in long. seams 7/16 Pitch of rivets 10"  
 Top of plates or width of butt straps 21 1/4" Per centages of strength of longitudinal joint rivets 89 plate 85 Working pressure of shell by rules 203 Size of manhole in shell 16 1/2 x 20 1/2 Size of compensating ring 33 x 34 1/2 No. and Description of Furnaces in each boiler 3 Deighton Material S Outside diameter 4-1 1/4" Length of plain part top 21 1/2 Thickness of plates crown 21 1/2 bottom 32  
 Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules 204 Combustion chamber plates: Material S Thickness: Sides 11/16 Back 21/32 Top 11/16 Bottom 7/8 Pitch of stays to ditto: Sides 8 7/8 x 8 3/4 Back 8 7/8 x 8 3/4  
 Top 8 7/8 x 9 1/4 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 211 Material of stays S Area at smallest part 13 23/32 Area supported by each stay 48 5/8 Working pressure by rules 204 End plates in steam space: Material S Thickness 11/32  
 Pitch of stays 23 x 21 How are stays secured DN & W Working pressure by rules 206 Material of stays S Area at smallest part 8.48  
 Area supported by each stay 48.3 Working pressure by rules 210 Material of Front plates at bottom S Thickness 31/32 Material of Lower back plate S Thickness 27/32 Greatest pitch of stays 14" Working pressure of plate by rules 208 Diameter of tubes 3 1/4"  
 Pitch of tubes 4 7/16 x 4 7/16 Material of tube plates S Thickness: Front 31/32 Back 13/16 Mean pitch of stays 11.08 Pitch across wide water spaces 14 1/4" Working pressures by rules 207 Girders to Chamber tops: Material S Depth and thickness of girder at centre 10 3/4 x 13 1/16 (2) Length as per rule 36.032 Distance apart 9 1/4" Number and pitch of Stays in each 3 at 8 7/8"  
 Working pressure by rules 231 Steam dome: description of joint to shell ✓ % of strength of joint ✓  
 Diameter ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet holes ✓  
 Pitch of rivets ✓ Working pressure of shell by rules ✓ Crown plates ✓ Thickness ✓ How stayed ✓

SUPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓  
 Date of Test ✓ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler ✓  
 Diameter of Safety Valve ✓ Pressure to which each is adjusted ✓ Is Easing Gear fitted ✓

FOR JOHN G. KINCAID & COY. LIMITED  
 The foregoing is a correct description,  
G. G. Carter Manufacturer.

Dates of Survey  
 During progress of work in shops - -  
 while building - -  
 During erection on board vessel - -

See Machinery Report.

Is the approved plan of boiler forwarded herewith Yes  
 Total No. of visits ✓

## GENERAL REMARKS

(State quality of workmanship, opinions as to class, &amp;c.)

These boilers have been built under Special Survey in accordance with the approved plans. The workmanship and material are of good quality. They are now securely fitted on board. This Report accompanies that of the Machinery.

Survey Fee £ When applied for, 191  
 charged on Machinery Report ✓ When received, 191

Committee's Minute

GLASGOW 3 - JUL 1928

Assigned See accompanying Machinery Report.

W. G. G. Kincaid & Co. Limited  
 Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
 Foundation

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