

## REPORT ON BOILERS.

No. 18779

Received at London Office 19 OCT 1927

of writing Report 22.9.27 When handed in at Local Office 11th October 1927 Port of Greenock

Survey held at Greenock Date, First Survey 24th July 1926. Last Survey 11th October 1927

Book. S/S Virgilia (Number of Visits 86) Gross Tons Net

ter Built at Greenock By whom built Greenock Dockyard &amp; Co. Ltd. When built 1927

ines made at Greenock By whom made John Kincaid &amp; Co. Ltd. (633) When made 1927

ers made at ditto By whom made ditto (633) When made 1927

stered Horse Power Owners Virgilia Steamship Co. Ltd. Port belonging to Glasgow.

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~.—Manufacturers of Steel, Glasgow & Co. Ltd. of Scotland

ter for record \$ ) Total Heating Surface of Boilers 8172 # Is forced draft fitted yes No. and Description of

ers 3 Single Ended Working Pressure 210 Tested by hydraulic pressure to 365 Date of test 5.8.27

of Certificate 1991 Can each boiler be worked separately yes Area of fire grate in each boiler 57.5 # No. and Description of

y valves to each boiler Double Spring Area of each valve 9.62 # Pressure to which they are adjusted 215

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

llest distance between boilers or uptakes and bunkers or woodwork 18" Mean dia. of boilers 15'-6" Length 12'-6"

erial of shell plates S Thickness 15/32 Range of tensile strength 28-32 Are the shell plates welded or flanged

rip. of riveting: cir. seams DR long. seams TR. O. B. S Diameter of rivet holes in long. seams 15/32 Pitch of rivets 10-31

width of butt straps 1'-10" Per centages of strength of longitudinal joint rivets 86.73 Working pressure of shell by

212. Size of manhole in shell 20 1/2 x 16 1/2 Size of compensating ring 3'-1 1/2 x 2'-9 x 1 1/2 No. and Description of Furnaces in each

er 3 Corrugated Material S Outside diameter 4'-2 1/4 Length of plain part top Thickness of plates crown 1 1/16

ription of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 212 Combustion chamber

s: Material S Thickness: Sides 23/32 Back 23/32 Top 23/32 Bottom 1" Pitch of stays to ditto: Sides 9 3/4 x 9 1/2 Back 9 3/4 x 9 3/4

If stays are fitted with nuts or riveted heads nuts Working pressure by rules 212 Material of stays S Area at

est part 23 1/2 x 24 1/2 Area supported by each stay 92.625 Working pressure by rules 214 End plates in steam space: Material S Thickness 1 1/32

of stays 1'-11 x 1 1/2 How are stays secured DN + W Working pressure by rules 220 Material of stays S Area at smallest part 9.14

supported by each stay 441.5 Working pressure by rules 211. Material of Front plates at bottom S Thickness 1" Material of

er back plate S Thickness 7/8 Greatest pitch of stays 14 1/4 Working pressure of plate by rules 214 Diameter of tubes 2 1/2

of tubes 3 1/6 x 3 3/4 Material of tube plates S Thickness: Front 1" Back 25/32 Mean pitch of stays 9.23 Pitch across wide

spaces 13 1/2 Working pressures by rules 214 Girders to Chamber tops: Material S Depth and thickness of

r at centre 10 1/2 x 7 1/8 (2) Length as per rule 3'-4 1/2 Distance apart 8 1/2 Number and pitch of Stays in each 3 at 9 3/4

Working pressure by rules 216 Steam dome: description of joint to shell % of strength of joint

eter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

of rivets Working pressure of shell by rules Crown plates Thickness How stayed

ERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

eter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

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

Robert Greer Manufacturer.

Is the approved plan of boiler forwarded herewith

Total No. of visits 86.

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

These Boilers have been well-maintained under Special Survey in accordance with the approved rules. The workmanship is of good quality. They are securely fitted on board.

See Machinery Report.

Survey Fee ... £ When applied for, 11th October 1927

Traveling Expenses (if any) ... When received, 13th October 1927

changed on Mainly Ref. W. G. Gaddou-Murcheis  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 18 OCT 1927

Signed See accompanying machy report

Lloyd's Register  
Foundation

W137-0009