

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. on the S/S Virginia (Number of Visits 86) Tons } Gross

ter Built at Greenock By whom built Greenock Dockyard Co Ltd When built 1927

ines made at Greenock By whom made John Kincaid Co Ltd (633) When made 1927

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

stered Horse Power Owners Virginia Steamship Co Ltd Port belonging to Glasgow

ULTITUBULAR BOILERS—MAIN, ~~MANUFACTURED BY~~—Manufacturers of Steel Frodugham & Co Ltd of Scotland

ter for record S Total Heating Surface of Boilers 8172 sq ft 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 1491 Can each boiler be worked separately yes Area of fire grate in each boiler 57.5 sq ft No. and Description of

y valves to each boiler Double Spring Area of each valve 9.62 sq in 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 1 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 1 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

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 Bourgaed Material S Outside diameter 4-2 1/4" Length of plain part top Thickness of plates crown 1 11/16"

ription of longitudinal joint weld No. of strengthening rings 1 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 8 3/4"

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

est part 2362 sq in Area supported by each stay 92.625 sq in Working pressure by rules 214 End plates in steam space: Material S Thickness 1 13/32"

of stays 1-11 x 1-8 1/2" How are stays secured DN+W Working pressure by rules 220 Material of stays S Area at smallest part 9.14 sq in

supported by each stay 441.5 sq in 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 1/4 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 3-4-5 Distance apart 8 1/2" Number and pitch of Stays in each 3 at 9 3/4"

ing 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 yes

Total No. of visits 86.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These Boilers have been well-maintained under special survey in accordance with the approved rules. The workmanship is of good quality. They are on securely fitted on board.

See Machinery Report.

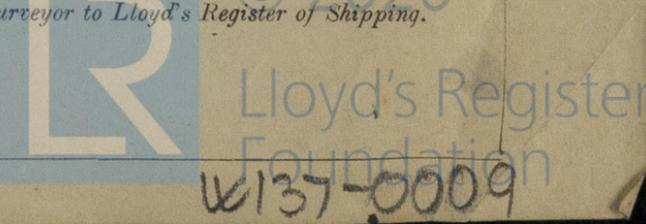
Survey Fee ... £ ... When applied for, 11th October 1927

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

Committee's Minute GLASGOW 18 OCT 1927

igned See accompanying machy report.

W. G. Sadou-Muchie
Engineer Surveyor to Lloyd's Register of Shipping.



W137-0009