

# REPORT ON BOILERS.

RECEIVED  
No. 38900  
23 MAY 1919  
Lk. No. 17541  
THU. 16 OCT. 1919

of writing Report 191 When handed in at Local Office 4/11/1919 Port of Glasgow 6 Oct 1919 Greenock

in Survey held at Clydebank Date, First Survey 25/6/18 Last Survey 6/5/1919

Book. (Number of Visits 14) Gross 5242 Tons Net 3266

on the steel steamer 'Sirius'

er Mathew Built at Greenock By whom built Harland & Wolff (No 571) When built 1919

nes made at Glasgow By whom made Harland & Wolff (No 1054) When made 1919

ers made at Clydebank By whom made John Brown & Co (No 5079) When made 1919

stered Horse Power 517 Owners The Royal Mail & Packet Co Ltd Port belonging to London

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel D. Colville & Sons

er for record (S) Total Heating Surface of Boilers 7668 sq ft Is forced draft fitted yes No. and Description of

ers 3 Single ended Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 6/5/19

of Certificate 14669 Can each boiler be worked separately yes Area of fire grate in each boiler 63.3 sq ft No. and Description of

y valves to each boiler 1 in Spring Area of each valve 9.62 Pressure to which they are adjusted 185 lb

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 25 Mean dia. of boilers 10' 6" Length 11' 6"

erial of shell plates steel Thickness 1 1/4" Range of tensile strength 28 to 32 Are the shell plates welded or flanged no

rip. of riveting: cir. seams double lap long. seams tubular butt Diameter of rivet holes in long. seams 1 3/16 Pitch of rivets 9 5/8"

of plates or width of butt straps 10 1/2" Per centages of strength of longitudinal joint rivets 88.3 plate 85.6 Working pressure of shell by

182 Size of manhole in shell 16" x 12" Size of compensating ring plate flanged No. and Description of Furnaces in each

3 8 Dighton Material steel Outside diameter 50 3/16 Length of plain part top Thickness of plates crown 19 bottom 32

ription of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 187 Combustion chamber

s: Material steel Thickness: Sides 23/32 Back 11/16 Top 23/32 Bottom 23/32 Pitch of stays to ditto: Sides 10 3/8 x 9 1/4 Back 10 1/4 x 8 3/4

0 5/8 x 9 1/4 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 180 Material of stays steel Diameter at

est part 2 3/4 Area supported by each stay 99 sq in Working pressure by rules 216 End plates in steam space: Material steel Thickness 1 1/2"

of stays 2 1/4 x 20 3/8 How are stays secured 22 dw Working pressure by rules 189 Material of stays steel Diameter at smallest part 8.29"

supported by each stay 4 5/4 Working pressure by rules 189 Material of Front plates at bottom steel Thickness 31/32 Material of

r back plate steel Thickness 27/32 Greatest pitch of stays 13 5/8 Working pressure of plate by rules 205 Diameter of tubes 2 3/4"

of tubes 4 x 3 3/8 Material of tube plates steel Thickness: Front 31/32 Back 3/4 Mean pitch of stays 9 13/16 Pitch across wide

spaces 13 5/8 Working pressures by rules 182 Girders to Chamber tops: Material steel Depth and thickness of

at centre 10" x 3 double Length as per rule 36 Distance apart 10 3/8 Number and pitch of Stays in each (3) 9 1/4"

ing pressure by rules 182 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked

ately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

ffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

ing pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

vey request form The foregoing is a correct description, John Brown & Company, Limited

2218 attached

es During progress of 1918 June 25 - Sep 5 - 20 - Oct 24 - Nov 15 Is the approved plan of boiler forwarded herewith

vey work in shops - - -

le During erection on 1919 Jan 7 - 14 - Feb 25 - Mar 15 - 21 - 29 - Apr 22 - May 6 Total No. of visits 14

ing board vessel - - - Greenock: - (1919) May 13 - 27 June 10 - 24 July 1 - 15 - 16 - 23 - 29 Aug 5 - 12 - 19 - 25 - 27 Sept 3 - 7 - 24 - 25 Oct 6 - 19

GENERAL REMARKS. (State quality of workmanship, opinions as to class, &c.) These Boilers have been built under Special Survey, the materials and workmanship of good description, These boilers have now been forwarded Greenock. These boilers have now been efficiently tested on land the above named steamer.

urvey Fee ... £ : : When applied for, 191

ravelling Expenses (if any) £ : : When received, 191

mittee's Minute GLASGOW - 8 JUL 1919

igned Defered for completion The accompanying Mach. Report.

A. McKeand James Brown Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW 14 OCT 1919 Lloyd's Register Foundation

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