5a.

REPORT ON BOILERS.

No. 17616.

Received at London Office WED. 17 MAR. 1920

writing Report 6 March 1920 When handed in at Local Office 9 March 1920 Port of Greenock

in Survey held at Greenock Date, First Survey 14th May, 1919; Last Survey 9th March, 1920.
Book. (Number of Visits 48.)

on the Steel Steamer "Lanrick" Tons { Gross / Net

r Built at Leith By whom built Hawthorn SS 177 When built 1920

es made at By whom made When made

rs made at Greenock By whom made John G Kincaid & Co Ltd When made 1920

tered Horse Power Owners Port belonging to

(Kincaid & Co)

LTITUBULAR BOILERS—MAIN, ~~AUXILIARY~~ OR ~~DONKEY~~.—Manufacturers of Steel Colville & Sons Ltd Hagg & Co Ltd

er for record 5) **Total Heating Surface of Boilers** 4904 sq ft Is forced draft fitted No **No. and Description of**

ers Two Single Ended **Working Pressure** 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 9 March 20

of Certificate 1433 Can each boiler be worked separately Yes **Area of fire grate in each boiler** 64·7 No. and Description of

y valves to each boiler 2 direct spring Area of each valve 5·94 Pressure to which they are adjusted

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

Least distance between boilers or uptakes and bunkers or woodwork no side bunkers Mean dia. of boilers 15·6 Length 12·4

erial of shell plates Steel Thickness 1 13/32 Range of tensile strength 28–32 Are the shell plates welded or flanged

trip. of riveting: ~~Circ.~~ seams double riveted long. seams double chain riveted Diameter of rivet holes in long. seams 1 13/32 Pitch of rivets 10

of plates or width of butt straps 21 Per centages of strength of longitudinal joint rivets 82·25 plate 85·93 Working pressure of shell by

200 lbs Size of manhole in shell 16 : 12 Size of compensating ring flanged 1 13/32 **No. and Description of Furnaces in each**

er 3 Four Material Steel Outside diameter 49 1/4 Length of plain part top / bottom Thickness of plates crown 10/16 bottom

cription of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 204 lbs Combustion chamber

s: Material Steel Thickness: Sides 21/32 Back 23/32 Top 21/32 Bottom 12/16 Pitch of stays to ditto: Sides 9·8 1/2 Back 10 1/2 · 7 1/2

9·84 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 188 lbs Material of stays Steel Diameter at

Least part 1·79 Area supported by each stay 81 Working pressure by rules 198 lbs End plates in steam space: Material Steel Thickness 15/16

of stays 21 1/2 : 20 5/8 How are stays secured double nuts Working pressure by rules 181 lbs Material of stays Steel Diameter at smallest part 0·82

supported by each stay 448 Working pressure by rules 227 lbs Material of Front plates at bottom Steel Thickness 1/16 Material of

er back plate Steel Thickness 27/32 Greatest pitch of stays 13 1/2 Working pressure of plate by rules 201 lbs Diameter of tubes 3 1/2

h of tubes 4 1/2 Material of tube plates Steel Thickness: Front 1/16 Back 13/16 Mean pitch of stays 13 1/2 : 9 Pitch across wide

r spaces 14 1/2 Working pressures by rules 199 lbs Girders to Chamber tops: Material Steel Depth and thickness of

er at centre 10 1/2 : 1 1/2 Length as per rule 37·46 Distance apart 9 Number and pitch of Stays in each Three 8 1/2

king pressure by rules 182 lbs Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

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

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

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

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

The foregoing is a correct description,

FOR JOHN G. KINCAID & COY., LIMITED.

Robert Grier. *Manufacturer.*

WX 9 19/3/20

tates } During progress of work in shops - - - } (1919). May 14. Aug: 12·13·15·18·26 Sept: 11·15·22·26 Oct: 1 is the approved plan of boiler forwarded herewith Sketches.
Survey }
hile } During erection on board vessel - - - } 20·23·27·29. Nov: 4·6·10·12·21. Dec: 1·2·4·5·9·12·17·19·24·29. Total No. of visits 48.
lding } (1920). Jan: 9·12·15·20·22·26·29. Feb: 2·6·16·18·20·23·26·27. Mar: 2·5·9:–

ENERAL REMARKS (*State quality of workmanship, opinions as to class, &c.*) Workmanship good.

These main Butts have been constructed under Special Survey in accordance with the approved Plans & Tested by hydraulic pressure and found good. They will be sent to Leith where they will be fitted.

Survey Fee ... ... £ 12 : 0 : } When applied for, 10th March, 1920.
Travelling Expenses (if any) £ : : } When received, 8th May, 1920.

James Innes.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

ommittee's Minute GLASGOW 16 MAR 1920

ssigned TRANSMIT TO LONDON

FRI. NOV. 26 1920

© 2020 Lloyd's Register Foundation

002079-002084-0169