

REPORT ON BOILERS.

No. 32638
WED. APR. 30 1913

Received at London Office

of writing Report 191 When handed in at Local Office 28.4.1913 Port of Glasgow
o. in Survey held at Glasgow Date, First Survey 14-1-13 Last Survey 19.4.1913
Book. on the Boilers No 1431, & 1432. in Shipments to Shanghai (Number of Visits 11.) Gross Tons Net
ter Built at By whom built When built
ines made at By whom made When made
ers made at Glasgow By whom made Lindsay Burnet & Co When made 1913
stered Horse Power Owners Port belonging to

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Dunlop & Co. Glasgow

ter for record S Total Heating Surface of Boilers 2454 sq ft Is forced draft fitted No. and Description of

ers 2 Single ended return tube Working Pressure 195 Tested by hydraulic pressure to 390 Date of test 12/4/13

of Certificate 12022 Can each boiler be worked separately Area of fire grate in each boiler 46 sq ft No. and Description of

by valves to each boiler Area of each valve 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 Mean dia. of boilers 12' 1" Length 10' 0"

erial of shell plates Steel Thickness 1 1/16" Range of tensile strength 28/32 Are the shell plates welded or flanged 220

trip. of riveting: cir. seams lap double long. seams butt triple Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 8"

of plates or width of butt straps 16 1/2" Per centages of strength of longitudinal joint rivets 87.0 plate 85.9 Working pressure of shell by

196 Size of manhole in shell 16" x 12" Size of compensating ring 6" x 16" flange No. and Description of Furnaces in each

3 furnaces Material Steel Outside diameter 38" Length of plain part top bottom Thickness of plates crown 1 1/2 bottom 1 1/2

ription of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 198 Combustion chamber

Material Steel Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 2 1/32" Pitch of stays to ditto: Sides 8 1/4" x 9" Back 9" x 8 1/4"

8 1/4" x 9" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 197 Material of stays steel Diameter at

least part 2 1/2" Area supported by each stay 74 sq in Working pressure by rules 246 End plates in steam space: Material steel Thickness 3/32"

of stays 16" x 19" How are stays secured 27 nuts Working pressure by rules 196 Material of stays steel Diameter at smallest part 6 1/2"

supported by each stay 436 Working pressure by rules 202 Material of Front plates at bottom steel Thickness 3/32" Material of

back plate steel Thickness 1 1/16" Greatest pitch of stays 3 1/2" with 1/8" double Working pressure of plate by rules 356 Diameter of tubes 3 1/2"

of tubes 4 1/2" x 4 1/2" Material of tube plates steel Thickness: Front 3/32" Back 1/16" Mean pitch of stays 10 1/8" Pitch across wide

spaces 13 1/2" with 1/8" double Working pressures by rules 197 Girders to Chamber tops: Material steel Depth and thickness of

at centre 7 3/4" x 3 1/4" double Length as per rule 27" Distance apart 9" Number and pitch of Stays in each (2) 8 1/4"

ing pressure by rules 248 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

tely 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

med 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, Lindsay Burnet & Co. Manufacturer.

1202 attached

During progress of work in shops - - 1912 Jan'y. 14-20 Feb'y. 4-12-21. Is the approved plan of boiler forwarded herewith Yes

During erection on board vessel - - March 12-18. April 3-8-12-19. Total No. of visits 11.

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

These boilers have been built under special survey the materials & workmanship are of good description. The boilers have now been shipped to Shanghai.

Survey Fee ... £ 8 : 4 : When applied for 28/4/1913

Travelling Expenses (if any) £ : : When received 29/4/1913

Committee's Minute GLASGOW 29 APR 1913

Signed Transmit to London

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

FRI. OCT. 24 1913

Lloyd's Register Foundation