

REPORT ON BOILERS.

No. 30745.

WED. NOV. 1-1911

Received at London Office

Date of writing Report Aug. 1st 1911 When handed in at Local Office 1911 Port of Glasgow
 No. in Survey held at Glasgow Date, First Survey 30th May 1911 Last Survey Aug. 1st 1911
 Reg. Book. on the donkey boiler designated R8^A for # Glensloy Number of Visits 12 Gross Tons 12 Net Tons 12
 Master Port Glasgow Built at Port Glasgow By whom built A. Rodgers & Co. (416) When built 1911
 Engines made at Glasgow By whom made A. Rodgers & Co. when made 1911
 Boilers made at Glasgow By whom made Barclay Curle & Co. Ltd. when made 1911
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY. — Manufacturers of Steel Steel Company of Scotland.(Letter for record E) Total Heating Surface of Boilers 648 Is forced draft fitted ✓ No. and Description ofBoilers One single ended Working Pressure 100 lbs. Tested by hydraulic pressure to 200 lbs. Date of test 11-7-11No. of Certificate 11097 Can each boiler be worked separately ✓ Area of fire grate in each boiler 30 No. and Description ofsafety valves to each boiler ✓ Area of each valve ✓ Pressure to which they are adjusted ✓Are they fitted with easing gear ✓ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓Smallest distance between boilers or uptakes and bunkers or woodwork ✓ 2nd dia. of boilers 9'-6" Length 9'-0"Material of shell plates steel Thickness 9/16" Range of tensile strength 28/32 Are the shell plates welded or flanged noDescrip. of riveting: cir. seams DR long. seams DR. D.B.S. Diameter of rivet holes in long. seams 13/16" Pitch of rivets 3 7/8"Top of plates or width of butt straps 8 3/4" Per centages of strength of longitudinal joint 106.5 Working pressure of shell byrules 107 Size of manhole in shell 16" x 12" Size of compensating ring 6 1/4" x 3/4" No. and Description of Furnaces in eachboiler 2 plain Material steel Outside diameter 3'-0" Length of plain part 5'-6" Thickness of plates 13/16" crown 1/2" bottom 1/2"Description of longitudinal joint weld No. of strengthening rings one T. on bottom Working pressure of furnace by the rules 113 Combustion chamberplates: Material steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 1/2" Pitch of stays to ditto: Sides 9 1/4" x 8" Back 8 5/8" x 8"Top 9 1/2" x 8 1/2" If stays are fitted with nuts or riveted heads auto Working pressure by rules 100 Material of stays steel area atsmallest part 96 Area supported by each stay 76.5 Working pressure by rules 100 End plates in steam space: Material steel Thickness 13/16"Pitch of stays 17" x 13" How are stays secured Nuts Working pressure by rules 129 Material of stays steel area at smallest part 2.71Area supported by each stay 221 Working pressure by rules 127 Material of Front plates at bottom steel Thickness 13/16" Material ofLower back plate steel Thickness 13/16" Greatest pitch of stays 14" x 12" Working pressure of plate by rules 168 Diameter of tubes 3 1/4"Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates steel Thickness: Front 13/16" Back 5/8" Mean pitch of stays abt. 10 3/8" Pitch across widewater spaces 14" Working pressures by rules 120 Girders to Chamber tops: Material steel Depth and thickness ofgirder at centre 6" x 20 3/32" Length as per rule 2'-2 7/8" Distance apart 8 1/2" Number and pitch of Stays in each two @ 9"Working pressure by rules 100 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler workedseparately ✓ Diameter ✓ Length ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivetholes ✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓If stiffened with rings ✓ Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓Working pressure of end plates ✓ Area of safety valves to superheater ✓ Are they fitted with easing gear ✓

Survey request form

No. 764 attached

The foregoing is a correct description,

FOR BARCLAY, CURLE & CO., LTD.

Archibald Glenne

Manufacturer.

Dates of Survey 1911. May 30. June 5. 6. 13. 16. 23. 27.
 During progress of work in shops July 5. 10. 14. 27. Aug. 1.
 while building board vessel

Is the approved plan of boiler forwarded herewith Yes.Total No. of visits 12.

GENERAL REMARKS

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

The materials and workmanship are good.
This boiler has been built under special survey in accordance with the rules and approved
plan, and is to be fitted on board the above vessel at Glasgow.

Survey Fee Charged on Machinery Report. When applied 19.
 Travelling Expenses (if any) £ : : When received 19.

Committee's Minute

GLASGOW 31 OCT 1911

Assigned See minute on accompanying
mach. report.

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

H. P. Forster

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 Foundation
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