

REPORT ON BOILERS.

TUES. 24 SEP 1907
TUES. 24 SEP 1907

Received at London Office

Date of writing Report _____ 19 _____ When handed in at Local Office _____ 19 _____ Port of Newcastle

No. in Survey held at Newcastle. Date, First Survey _____ Last Survey Sept 20 1907
 Reg. Book. _____ (Number of Visits _____) Tons } Gross 4009
 on the S/S "Australia" } Net 2575

Master Schmidt Built at Newcastle By whom built Hawthorn Leslie & Co. When built 1907

Engines made at Newcastle By whom made Wallsend Slipway Works when made 1907

Boilers made at _____ By whom made _____ when made 1907

Registered Horse Power _____ Owners W. R. Lundgren Port belonging to Göteborg

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel J. Spencer Thomas & Co.

(Letter for record S.) Total Heating Surface of Boilers 1026 sq. ft. Is forced draft fitted no. No. and Description of Boilers 1 S.C. Working Pressure 180. Tested by hydraulic pressure to 360. Date of test 24.7.07

No. of Certificate 7536. Can each boiler be worked separately Area of fire grate in each boiler 35 sq. ft. No. and Description of safety valves to each boiler Two Spring Area of each valve 3.97 sq. in. Pressure to which they are adjusted 185

Are they fitted with casing gear yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no

Smallest distance between boilers or uptakes and bunkers or woodwork 18" Ext. Mean dia. of boilers 11 ft. Length 10.6

Material of shell plates S. Thickness 7/8" Range of tensile strength 292 x 332 Are the shell plates welded or flanged ends

Descrip. of riveting: cir. seams 2.7 Cap long. seams 2. Butts. Diameter of rivet holes in long. seams 7/16 Pitch of rivets 6 3/4

Top of plates or width of butt straps 13 15/16 Per centages of strength of longitudinal joint rivets 86.8. Working pressure of shell by rules 183. plate 86.1

Size of manhole in shell 16" x 12" Size of compensating ring in Heils No. and Description of Furnaces in each boiler 2 Deeg Material S. Outside diameter 42 1/2 Length of plain part 5 Thickness of plates crown 7/16 bottom 1/2

Description of longitudinal joint weld. No. of strengthening rings 4 Working pressure of furnace by the rules 192 Combustion chamber plates: Material S Thickness: Sides 3/32 Back 3/32 Top 3/32 Bottom 7/8 Pitch of stays to ditto: Sides 9 x 8 1/2 Back 9 x 8 1/2

Top 9 x 8 1/2 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 186 Material of stays S. Diameter at smallest part 1.6 Area supported by each stay 49.8 Working pressure by rules 229 End plates in steam space: Material S. Thickness 1 1/2

Pitch of stays 20 x 14 How are stays secured 2 nuts Working pressure by rules 180 Material of stays S. Diameter at smallest part 2.53

Area supported by each stay 280 Working pressure by rules 188 Material of Front plates at bottom S Thickness 1" Material of Lower back plate S Thickness 7/8" Greatest pitch of stays 14" Working pressure of plate by rules 197 Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 x 4 1/8 Material of tube plates S. Thickness: Front 1 Back 3/4 Mean pitch of stays 9 x 8 1/2 Pitch across wide water spaces 13 3/4 Working pressures by rules 206 Girders to Chamber tops: Material S. Depth and thickness of girder at centre 7 1/2 x 1 1/2 Length as per rule 24 3/4 Distance apart 9" Number and pitch of Stays in each 2 of 8 1/2

Working pressure by rules 191 Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked separately Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____ 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 casing gear _____

The foregoing is a correct description,
 FOR THE WALLSEND ENGINEERING CO., LIMITED, Manufacturer.

Dates of Survey { During progress of work in shops - - } Please see Machinery report Is the approved plan of boiler forwarded herewith yes
 while building { During erection on board vessel - - - } Total No. of visits _____

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

Survey Fee ... £ 0 : 0 : When applied for, 21 SEP 1907
 Travelling Expenses (if any) £ : : When received, 26.9.07

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

TUES. 24 SEP 1907

Committee's Minute
 Assigned



Lloyd's Register Foundation
 W621-0124