

REPORT ON BOILERS.

No. 15448.

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Date of writing Report

19

When handed in at Local Office

19

Port of Greenock.No. in Survey held at Port Glasgow
Reg. Book.Date, First Survey 19th FebLast Survey 29th July 190833. on the SCREW STEAMER SABBIA.(Number of Visits 63)Gross 2802.14t.
Net 1799.58.Master Olivetti Built at Port Glasgow By whom built Glyde S.B. ring: 6⁰⁴ diam When built 1908Engines made at Port Glasgow By whom made Glyde S.B. ring: 6⁰⁴ diam when made 1908Boilers made at Port Glasgow By whom made Glyde S.B. ring: 6⁰⁴ diam when made 1908Registered Horse Power Owners Nav: Libera Tristina Soc. in Abione Port belonging to TriesteMULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY. — Manufacturers of Steel Steel 6⁰⁴ of Scotland.(Letter for record S) Total Heating Surface of Boilers 750 sq. ft. Is forced draft fitted no No. and Description ofBoilers One: Cylind. hull. Working Pressure 100 lb Tested by hydraulic pressure to 200 lb Date of test 11/5/08No. of Certificate 889 Can each boiler be worked separately ✓ Area of fire grate in each boiler 24 sq. ft. No. and Description ofsafety valves to each boiler 2: Direct Spring Area of each valve 4.9 sq. in. Pressure to which they are adjusted 105 lb.Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler noSmallest distance between boilers or uptakes and bunkers or woodwork fitted on 1m. dk. Mean dia. of boilers 10' 0" Length 10' 0"Material of shell plates Steel Thickness 9/16" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged noDescrip. of riveting: cir. seams Lap Double long. seams Butt Straps Diameter of rivet holes in long. seams 3/4" Pitch of rivets 4 1/4" 2 1/8"Lap of plates or width of butt straps 8 1/4" Per centages of strength of longitudinal joint rivets 88.5 Working pressure of shell byrules 105 lb Size of manhole in shell 16" x 12" Size of compensating ring 33 x 24 x 9/16" No. and Description of Furnaces in eachboiler 2: plain Material Steel Outside diameter 36 1/4" Length of plain part top 42" Thickness of plates crown 14"Description of longitudinal joint Butt Strap No. of strengthening rings None Working pressure of furnace by the rules 100 lb Combustion chamberplates: Material Steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 3/4" Pitch of stays to ditto: Sides 7 1/2" x 9" Back 9" x 8"Top 7 1/4" x 10" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 106 lb Material of stays Steel Diameter atsmallest part 1 1/8" Area supported by each stay 42 sq. in. Working pressure by rules 110 lb End plates in steam space: Material Steel Thickness 7"Pitch of stays 16" x 20" How are stays secured Double nuts Working pressure by rules 105 lb Material of stays Steel Diameter at smallest part 2 1/8"Area supported by each stay 320 sq. in. Working pressure by rules 104 lb Material of Front plates at bottom Steel Thickness 7/8" Material ofLower back plate Steel Thickness 7/8" Greatest pitch of stays 14" Working pressure of plate by rules 104 lb Diameter of tubes 3"Pitch of tubes 4 1/2" x 4 1/2" Material of tube plates Steel Thickness: Front 7/8" Back 20" Mean pitch of stays 10.6" Pitch across widewater spaces 14 1/4" Working pressures by rules 135 lb 104 lb Girders to Chamber tops: Material Steel Depth and thickness ofGirder at centre 7" x 1 1/2" Length as per rule 30" Distance apart 10" Number and pitch of Stays in each 3: 7 1/4"Working pressure by rules 106 lb Superheater or Steam chest: how connected to boiler None 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

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

THE CLYDE SHIPBUILDING & ENGINEERING CO. LIMITED,
The foregoing is a correct description,John S. Dunlop Secretary, Manufacturer.

Is the approved plan of boiler forwarded herewith

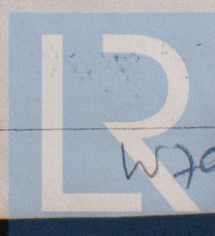
Total No. of visits

Dates of Survey { During progress of work in shops - - - }
while building { During erection on board vessel - - - }
See accompanying report.GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. Makuals & Northman's food)For recommendations, see preceding sheet.Survey Fee ... £ : : } When applied for, 19.....
Travelling Expenses (if any) £ : : } When received, 19.....W. R. Austin

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

GLASGOW 18 AUG. 1908

Committee's Minute

Assigned See accompanying report

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Foundation