

## REPORT ON BOILERS.

No. 26478

Received at London Office APR. 23 APL 1908

Date of writing Report April 14<sup>th</sup> 1908 When handed in at Local Office April 18<sup>th</sup> 1908 Port of Glasgow  
 No. in Survey held at Glasgow Date, First Survey 12<sup>th</sup> Aug 1907 Last Survey April 15<sup>th</sup> 1908  
 Reg. Book. 99 Sup on the J & Barcelona (Number of Visits 36) Tons { Gross  
 Master Built at Glasgow By whom built Chas. Connell & Co When built 1908  
 Engines made at Glasgow By whom made David Rowan & Co when made 1908  
 Boilers made at do By whom made do when made 1908  
 Registered Horse Power Owners Cinillos, Izquierdo & Co Port belonging to Cadiz

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY. — Manufacturers of Steel David Colville & Son Ltd

(Letter for record (3) ) Total Heating Surface of Boilers 1254.48<sup>sq</sup> Is forced draft fitted no No. and Description of Boilers One Single End ☒ Working Pressure 80 lb Tested by hydraulic pressure to 160 lb Date of test 28/1/08  
 No. of Certificate 9330 Can each boiler be worked separately ☒ Area of fire grate in each boiler 38<sup>sq</sup> No. and Description of safety valves to each boiler 2 Lockdown Area of each valve 7<sup>sq</sup> Pressure to which they are adjusted 85 lb  
 Are they fitted with easing 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 12<sup>in</sup> Mean dia. of boilers 12<sup>in</sup> Length 10<sup>ft</sup>  
 Material of shell plates steel Thickness 7/8 Range of tensile strength 28632 Are the shell plates welded or flanged no  
 Descrip. of riveting: cir. seams B. R. L. long. seams T. R. L. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 3.474  
 Lap of plates or width of butt straps 6 3/8 Per centages of strength of longitudinal joint rivets 81.04 plate 73.01 Working pressure of shell by rules 80 lb Size of manhole in shell 17 x 13 Size of compensating ring 2.5 x 2.9 No. and Description of Furnaces in each boiler 2 plain Material steel Outside diameter 3.678 Length of plain part top 72 bottom 72 Thickness of plates crown 1/2 bottom 1/2  
 Description of longitudinal joint mild No. of strengthening rings none Working pressure of furnace by the rules 90 lb Combustion chamber plates: Material steel Thickness: Sides 1/2 Back 1/2 Top 1/2 Bottom 3/4 Pitch of stays to ditto: Sides 9 3/4 x 9 3/4 Back 10 x 9 1/2  
 Top 9 3/4 x 9 3/4 If stays are fitted with nuts or riveted heads no Working pressure by rules 81 lb Material of stays steel Diameter at smallest part 9 3/4 Area supported by each stay 95 Working pressure by rules 83 End plates in steam space: Material steel Thickness 1 1/2  
 Pitch of stays 30 1/2 x 14 1/2 How are stays secured D. nuts Working pressure by rules 80 Material of stays steel Diameter at smallest part 4.37  
 Area supported by each stay 480 Working pressure by rules 95 Material of Front plates at bottom steel Thickness 1/16 Material of Lower back plate steel Thickness 7/8 Greatest pitch of stays 13 1/2 Working pressure of plate by rules 100 Diameter of tubes 3 1/2  
 Pitch of tubes 4 1/2 x 4 3/8 Material of tube plates steel Thickness: Front 2 1/32 Back 2 1/32 Mean pitch of stays 13 7/16 Pitch across wide water spaces 13 1/2 Working pressures by rules 85 lb Girders to Chamber tops: Material steel Depth and thickness of girder at centre 6 1/2 x 5/8 x 2 Length as per rule 31 1/2 Distance apart 9 3/4 Number and pitch of Stays in each 2-9 3/4  
 Working pressure by rules 83 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 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 easing gear

The foregoing is a correct description,

for David Rowan &amp; Co Manufacturer.

Is the approved plan of boiler forwarded herewith

Total No. of visits 36

Dates of Survey { During progress of work in shops - - }  
 while { During erection on board vessel - - - }

As per report attached.

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

This boiler has been constructed under Special Survey & is of good materials & workmanship. It has been fitted on board as stated Rpt. 44.

Survey Fee ... £  
 Travelling Expenses (if any) £

When applied for, 17/4/1908  
 When received, 22/4/1908

H. Gardner-Smith.  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute Glasgow 22 APR 1908

Assigned

See attached report



© 2020

Lloyd's Register

W1094 10085