

REPORT ON BOILERS.

No. 50141

Received at London Office 19 FEB 1930

Date of writing Report 19 When handed in at Local Office 15 2 1930 Port of GLASSGOW

No. in Reg. Book. Survey held at Bowling Date, First Survey 25 5 29 Last Survey 8 2 1930

on the 55 "YEW PARK" (Number of Visits 20) Gross 827 Tons Net 410

Master Built at Bowling By whom built Scott & Son Yard No. 309 When built 1930

Engines made at Colchester By whom made Davey, Paxman & Co. Ld. Engine No. 13752 When made 1920

Boilers made at Glasgow By whom made David Rowan & Co. Ld. Boiler No. 372 When made 1929

REGISTERED Horse Power 90 Owners John Stewart & Co. Port belonging to Glasgow

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel (Letter for Record)

Total Heating Surface of Boilers Is forced draught fitted Coal or Oil fired Working Pressure

No. and Description of Boilers

Tested by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler Two direct spring

Area of each set of valves per boiler {per Rule 13.45" as fitted 14.125" Pressure to which they are adjusted 180 lb. Are they fitted with easing gear Yes

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 will clear Is oil fuel carried in the double bottom under boilers No

Smallest distance between shell of boiler and top of floor 10 1/2" Is the bottom of the boiler insulated No

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

Thickness Are the shell plates welded or flanged Description of riveting: circ. seams {end inter. Pitch of rivets {

long. seams Diameter of rivet holes in {circ. seams long. seams Percentage of strength of circ. end seams {plate rivets Percentage of strength of circ. intermediate seam {plate rivets

Percentage of strength of longitudinal joint {plate rivets combined Working pressure of shell by Rules

Thickness of butt straps {outer inner No. and Description of Furnaces in each Boiler

Material Tensile strength Smallest outside diameter

Length of plain part {top bottom Thickness of plates {crown bottom Description of longitudinal joint

Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules

End plates in steam space: Material Tensile strength Thickness Pitch of stays

How are stays secured Working pressure by Rules

Tube plates: Material {front back Tensile strength Thickness Working pressure {front back

Mean pitch of stay tubes in nests Pitch across wide water spaces Depth and thickness of girder

Girders to combustion chamber tops: Material Tensile strength No. and pitch of stays

at centre Length as per Rule Distance apart

in each Working pressure by Rules Combustion chamber plates: Material

Tensile strength Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over

Working pressure by Rules Front plate at bottom: Material Tensile strength

Thickness Lower back plate: Material Tensile strength Thickness

Pitch of stays at wide water space Are stays fitted with nuts or riveted over

Working Pressure Main stays: Material Tensile strength

Diameter {At body of stay, or Over threads No. of threads per inch Area supported by each stay

Working pressure by Rules Screw stays: Material Tensile strength

Diameter {At turned off part, or Over threads No. of threads per inch Area supported by each stay

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Working pressure by Rules *Are the stays drilled at the outer ends* Margin stays: Diameter <sup>At turned off part,</sup>  
<sup>or</sup>  
<sup>Over threads</sup>  
 No. of threads per inch Area supported by each stay Working pressure by Rules  
 Tubes: Material External diameter <sup>Plain</sup> Thickness <sup>No. of threads per inch</sup>  
<sup>Stay</sup>  
 Pitch of tubes Working pressure by Rules Manhole compensation: Size of opening in  
 shell plate Section of compensating ring No. of rivets and diameter of rivet holes  
 Outer row rivet pitch at ends Depth of flange if manhole flanged Steam Dome: Material  
 Tensile strength Thickness of shell Description of longitudinal joint  
 Diameter of rivet holes Pitch of rivets Percentage of strength of joint <sup>Plate</sup>  
<sup>Rivets</sup>  
 Internal diameter Working pressure by Rules Thickness of crown No. and diameter of  
 stays Inner radius of crown Working pressure by Rules  
 How connected to shell Size of doubling plate under dome Diameter of rivet holes and pitch  
 of rivets in outer row in dome connection to shell

Type of Superheater Manufacturers of <sup>Tubes</sup>  
<sup>Steel castings</sup>  
 Number of elements Material of tubes Internal diameter and thickness of tubes  
 Material of headers Tensile strength Thickness Can the superheater be shut off and  
 the boiler be worked separately Is a safety valve fitted to every part of the superheater which can be shut off from the boiler  
 Area of each safety valve Are the safety valves fitted with easing gear Working pressure as per  
 Rules Pressure to which the safety valves are adjusted Hydraulic test pressure:  
 tubes, castings and after assembly in place Are drain cocks or valves fitted  
 to free the superheater from water where necessary

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

The foregoing is a correct description,

Manufacturer.

Dates of Survey <sup>During progress of</sup> *See Accompanying* Are the approved plans of boiler and superheater forwarded herewith  
<sup>work in shops - -</sup> *machinery Reports* <sup>(If not state date of approval.)</sup>  
<sup>while</sup> <sup>During erection on</sup> Total No. of visits 20  
<sup>building</sup> <sup>board vessel - - -</sup>

Is this Boiler a duplicate of a previous case If so, state Vessel's name and Report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *The boiler has been tried under steam, and the safety valves adjusted.*

Survey Fee ... £ : : When applied for, 19  
 Travelling Expenses (if any) £ : : When received, 19

*S. L. Manson*  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 18 FEB 1930

Assigned *See Accompanying Machinery Report*



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