

## REPORT ON BOILERS.

No. 24280

Port of

Glasgow

Received at London Office

THUR. 9 AUG 1906

No. in Survey held at  
Reg. Book.

Glasgow

Date, first Survey

4<sup>th</sup> Oct 05

Last Survey

28 July 1906

(Number of Visits)

on the

S.S. "Luristan"

Tons

Gross  
Net

Master

Built at

Glasgow

By whom built

W Hamilton &amp; Co

When built

1906

Engines made at

Glasgow

By whom made

David Rowan &amp; Co

when made

1906

Boilers made at

do

By whom made

do

when made

1906

Registered Horse Power

Owners

F C Strick &amp; Co

Port belonging to

Swansea

MULTITUBULAR BOILERS—~~MAIN, AUXILIARY OR DONKEY.~~—Manufacturers of Steel Clyde Bridge Steel Works.

(Letter for record 15) Total Heating Surface of Boilers 824.6 sq ft Is forced draft fitted No No. and Description of

Boilers One Single Ended Working Pressure 100 lb Tested by hydraulic pressure to 200 lb Date of test 18.6.06

No. of Certificate 8189 Can each boiler be worked separately No Area of fire grate in each boiler 31.6 sq ft No. and Description of

safety valves to each boiler 2 Spring Area of each valve 5.9 sq in Pressure to which they are adjusted 105 lb

Are they fitted with easing gear No 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 15 in dia. of boilers 10'-0" Length 9'-6"

Material of shell plates steel Thickness 2 1/32 Range of tensile strength 28-32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams D. R. L. long. seams T. R. L. Diameter of rivet holes in long. seams 15/16 Pitch of rivets 3 3/8

Lap of plates or width of butt straps 6 1/2 Per centages of strength of longitudinal joint rivets 79.5 Working pressure of shell by

rules 103 Size of manhole in shell 16 x 12 Size of compensating ring 2-7 x 2-3 plate 72.2 No. and Description of Furnaces in each

boiler 2 plain Material steel Outside diameter 2.1178 Length of plain part top 7 1/8 Thickness of plates crown 17/32 bottom 13/32

Description of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 100 lb Combustion chamber

plates: Material steel Thickness: Sides 1/2 Back 1/2 Top 1/2 Bottom 7/8 Pitch of stays to ditto: Sides 8 1/2 x 9 Back 8 1/4 x 9

Top 8 1/2 x 8 If stays are fitted with nuts or riveted heads none Working pressure by rules 100 lb Material of stays steel Diameter at

smallest part 99 Area supported by each stay 76 Working pressure by rules 104 End plates in steam space: Material steel Thickness 13/16

Pitch of stays 14 1/4 x 14 1/2 How are stays secured D. R. L. Working pressure by rules 144 Material of stays steel Diameter at smallest part 2.75

Area supported by each stay 206 Working pressure by rules 133 Material of Front plates at bottom steel Thickness 25/32 Material of

Lower back plate steel Thickness 2 1/32 Greatest pitch of stays 14 1/4 Working pressure of plate by rules 104 Diameter of tubes 3 1/4

Pitch of tubes 14 1/2 x 14 1/2 Material of tube plates steel Thickness: Front 25/32 Back 7/8 Mean pitch of stays 11 1/8 Pitch across wide

water spaces 14 1/4 Working pressures by rules 107 Girders to Chamber tops: Material steel Depth and thickness of

girder at centre 6 1/4 x 1/2 x 2 Length as per rule 25 Distance apart 8 Number and pitch of Stays in each 2-8 1/2

Working pressure by rules 115 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

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel

Made at By whom made When made Where fixed

Working pressure tested by hydraulic pressure to No. of Certificate Fire grate area Description of safety valves

No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can

enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile

strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

plates Stayed by Diameter of uptake Thickness of uptake plates Thickness of water tubes

The foregoing is a correct description,

David Rowan &amp; Co Manufacturer.

See accompanying report.

Dates of Survey while building  
During progress of work in shops - -  
During erection on board vessel - -  
Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " " " " "

Lloyd's Register

Foundation



