

REPORT ON BOILERS.

No. 41207

Received at London Office WED. 6 JUL. 1921

Date of writing Report 1st July 1921 When handed in at Local Office 4th July 1921 Port of Glasgow

No. in Survey held at Glasgow Date, First Survey 13th Oct. 1920 Last Survey 27th June 1921

Reg. Book. on the Marine Boiler No. 1747 S.S. "Fau Lang" (Number of Visits 13) Gross Tons Net

Master Built at Port Glasgow By whom built Dunlop Brewster & Co Ltd When built 1921

Engines made at Port Glasgow By whom made Dunlop Brewster & Co Ltd When made 1921

Boilers made at Glasgow By whom made The Forth Shipbuilding & Engineering Co When made 1921

Registered Horse Power Owners Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel W. & A. Beattie & Co Ltd Glasgow

(Letter for record S) Total Heating Surface of Boilers 576 sq ft Is forced draft fitted No. and Description of

Boilers One Single Ended Working Pressure 100 Tested by hydraulic pressure to 200 Date of test 27/6/21

No. of Certificate 15857 Can each boiler be worked separately One Area of fire grate in each boiler 24 1/2 sq ft No. and Description of

safety valves to each boiler Two Spring Area of each valve 3.98 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 No

Smallest distance between boilers or uptakes and bunkers or woodwork 11 1/2 Mean dia. of boilers 8'-6" Length 8'-6"

Material of shell plates Steel Thickness 9/16 Range of tensile strength 28/32 Are the shell plates welded or flanged No

Descrip. of riveting: cir. seams Lap S.R. long. seams DBS. DK. Diameter of rivet holes in long. seams 3/4 Pitch of rivets 4 7/32

Gap of plates or width of butt straps 8 Per centages of strength of longitudinal joint rivets 83.1 Working pressure of shell by

rules 124 Size of manhole in shell 16" x 12" Size of compensating ring 2'-6" x 2'-2" x 3/4 No. and Description of Furnaces in each

boiler One plain Material Steel Outside diameter 2'-8" Length of plain part top 64" Thickness of plates crown 1 1/2"

Description of longitudinal joint held No. of strengthening rings one Working pressure of furnace by the rules 130 Combustion chamber

plates: Material Steel Thickness: Sides 9/16 Back 1/2 Top 9/16 Bottom 9/16 Pitch of stays to ditto: Sides 8 1/2 Back 8 1/2 x 8 1/2

Top 9" If stays are fitted with nuts or riveted heads tubs Working pressure by rules 100 Material of stays Steel Area at

smallest part 14 sq in Area supported by each stay 14 sq in Working pressure by rules 102 End plates in steam space: Material Steel Thickness 3/4

Pitch of stays 15" How are stays secured On the Work Working pressure by rules 118 Material of stays Steel Area at smallest part 27 sq in

Area supported by each stay 225 sq in Working pressure by rules 125 Material of Front plates at bottom Steel Thickness 3/4 Material of

Lower back plate Steel Thickness 3/4 Greatest pitch of stays 12 1/2 x 8 3/4 Working pressure of plate by rules 160 Diameter of tubes 3"

Pitch of tubes 4" Material of tube plates Steel Thickness: Front 3/4 Back 2 1/2 Mean pitch of stays 10" Pitch across wide

water spaces 12 1/2 Working pressures by rules 111 Girders to Chamber tops: Material Steel Depth and thickness of

girder at centre 6" x 7/8" x 2 Length as per rule 22 3/4 Distance apart 9" Number and pitch of Stays in each One at 10"

Working pressure by rules 122 Steam dome: description of joint to shell None % of strength of joint

Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type None Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

Survey request form

The foregoing is a correct description,

No. 2557. attached

FOR THE FORTH SHIPBUILDING & ENGINEERING CO., LTD.

(LLOYD'S REGISTER BOILER WORKS) Jas. Dick

Manufacturer.

Dates of Survey During progress of 1920 Oct 13, 28 Nov 24 (1921) Jan 19 Feb 9, 17 Mar 24 May 5, 11, 24 Jun 7, 21, 27

while building During erection on board vessel - - -

Is the approved plan of boiler forwarded herewith Yes.

Total No. of visits 13.

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

This boiler has been built under special survey.

The workmanship & materials are of good quality

This donkey boiler has now been efficiently tested on board the

above named steamer

Survey Fee ... £ 4 : 4 : When applied for, 5-JUL-1921

Travelling Expenses (if any) £ : : When received, 7-7-1921

Committee's Minute

GLASGOW

5-JUL-1921

Assigned

TRANSMIT TO LONDON

Peter M. Chegoz. Engineer Surveyor to Lloyd's Register of Shipping.

GLASGOW 29 NOV 1921

Lloyd's Register Foundation