

REPORT ON BOILERS.

Bel N^o 8545.
96 No. 40835

Received at London Office WED. FEB. 21 1921

Date of writing Report *29th Jan 1921* When handed in at Local Office *29.1.1921* Port of *Glasgow*

No. in Survey held at *Glasgow* Date, First Survey *30th Nov. 1920* Last Survey *29th Jan 1921*

Reg. Book. on the *Manoeuvring Air Reservoir No 6155 (M.S.S. on the line)* (Number of Visits *7*) Gross Tons *1* Net Tons *1*

Master *Glasgow* Built at *Belfast* By whom built *Harland & Wolff Ltd No 579* When built *1921*

Engines made at *Glasgow* By whom made *Harland & Wolff Ltd* When made *1921*

RESERVOIRS *Glasgow* By whom made *Forth Shipbldg Eng Coy. 6155* When made *1921*

Boilers made at *Glasgow* Owners *Bobby Line* Port belonging to *Liverpool*

Registered Horse Power

MANOEUVRING AIR RESERVOIRS
MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Steel Coy of Scotland*

(Letter for record *S*) Total Heating Surface of Boilers ☒ Is forced draft fitted ☒ No. and Description of *356*

Three Reservoir Working Pressure *356* Tested by hydraulic pressure to *712* Date of test *29.12.20*

No. of Certificate *15668-2* Can each boiler be worked separately ☒ Area of fire grate in each boiler ☒ No. and Description of *356 lbs*

safety valves to *2* *2* *2* Area of each valve *7.01 lb* Pressure to which they are adjusted *356 lbs*

Are they fitted with easing gear ☒ 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 ☒ Mean dia. of boilers *6'-0 3/8* Length *20'-11 7/8*

Material of shell plates *S* Thickness *1 3/32* Range of tensile strength *28/32* Are the shell plates welded or flanged *no*

Descrip. of riveting: cir. seams *Lap SR* long. seams *SR SR* Diameter of rivet holes in long. seams *1 3/16* Pitch of rivets *8 3/16*

Lap of plates or width of butt straps *17 1/2* Per centages of strength of longitudinal joint rivets *91.9* Working pressure of shell by plate *88.5*

rules *398* Size of manhole in *End 16" x 12"* Size of compensating ring *End Hanged in* No. and Description of Furnaces in each boiler

Description of longitudinal joint ☒ No. of strengthening rings ☒ Working pressure of furnace by the rules ☒ Combustion chamber plates: Material ☒ Thickness: Sides ☒ Back ☒ Top ☒ Bottom ☒ Pitch of stays to ditto: Sides ☒ Back ☒

Top ☒ If stays are fitted with nuts or riveted heads ☒ Working pressure by rules ☒ Material of stays ☒ Area at smallest part ☒

Pitch of stays *48 Red* How are stays secured *48 Red* Working pressure by rules *356* Material of stays ☒ Area at smallest part ☒

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of

Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide

water spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of

girder at centre Length as per rule Distance apart Number and pitch of Stays in each

Working pressure by rules Steam dome: description of joint to shell % 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

UPERHEATER. Type 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

The foregoing is a correct description,

FOR THE FORTH SHIPBUILDING & ENGINEERING CO. LTD

(LINDSAY BURNET'S BOILER WORKS)

Manufacturer.

Dates of Survey During progress of *1920 Nov 30, Dec 8 15 21 (1921) Jan 12. 26 29* Is the approved plan of boiler forwarded herewith *Yes*

building During erection on *See Glasgow Report No 41080* Total No. of visits *7*

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

The Reservoirs have been built under special survey.

The workmanship & materials are good.

These Reservoirs have been satisfactorily fitted on board, and their safety valves adjusted as noted above. *R. F. Bennett*

Survey Fee ... £ *8 : 8* : } When applied for, ... 19...

Travelling Expenses (if any) £ : : } When received, *11-4-* 1921

Peter W. Chever

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 1-FEB-1921

Assigned

TRANSMIT TO LONDON

GLASGOW 10 MAY 1921

TUE. 28 JUN. 1921

W1653-6090

Lloyd's Register
Foundation