

REPORT ON BOILERS.

Bel No. 8545.
No. 40835

Received at London Office WED. FEB. 2 1921

Date of writing Report *29th Jan 1921* When handed in at Local Office *29.1.21* 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 a t/c line* (Number of Visits *7*) Gross Tons Net

Master 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 Boilers made at *Glasgow* By whom made *Forth Shipbdg Eng Coy. 6155* When made *1921*

Registered Horse Power Owners *Bobby Line* Port belonging to *Liverpool*

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 *30-12-20*
Three Reservoir Working Pressure *356* Tested by hydraulic pressure to *712* Date of test *29.1.21*

No. of Certificate *15663-2* Can each boiler be worked separately Area of fire grate in each boiler No. and Description of *Reservoir*
safety valves to *2 Spring loaded* Area of each valve *7.017"* 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 S.R.* long. seams *S.B.S.R.* 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 Flanged 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
Area supported by each stay Working pressure by rules End plates in steam space: Material *S* Thickness *1 13/32*

Pitch of stays *Line* 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) *Snclair Cooper* Manufacturer.

Dates of Survey During progress of work in shops - - *1920 Nov 30, Dec 8 15 21 (1921) Jan 12, 26, 29* Is the approved plan of boiler forwarded herewith *Drawings No 4368*
while building During erection on board vessel - - - *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-* 19*21*

Committee's Minute **GLASGOW 1-FEB 1921** Glasgow, 10 MAY 1921

Assigned TRANSMIT TO LONDON TUE. 28 JUN. 1921

