

REPORT ON RECEIVERS BOILERS.

WFD. 9 JAN. 1924

No. 8956

Received at London Office MAN. 27AHR 1924

Date of writing Report 1924 When handed in at Local Office 1924 Port of Belfast
 No. in Survey held at Belfast Date, First Survey May 4th Last Survey 21 8-23
 Reg. Book. on the Manoeuvring Air Receivers for No. 6109. "GUJARAT" (Number of Visits 10) } Gross Tons }
 Master Glasgow Built at Glasgow By whom built Harland & Wolff Ltd. When built 1923
 Engines made at Glasgow By whom made Harland & Wolff Ltd When made 1923
 Boilers made at Glasgow By whom made Harland & Wolff Ltd When made 1923
 Registered Horse Power 1000 Owners Messrs Andrew Weir & Co. Ltd. Port belonging to Glasgow

~~MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY~~—Manufacturers of Steel David Colville & Sons Ltd.

(Letter for record Two) Total Heating Surface of Boilers 356 Is forced draft fitted Yes No. and Description of Boilers Receivers Working Pressure 356 lbs Tested by hydraulic pressure to 585 lbs Date of test 13-8-23

No. of Certificate 826 Can each boiler be worked separately Yes Area of fire grate in each boiler 7 No. and Description of safety valves Spring loaded 2 Area of each valve 7 Pressure to which they are adjusted 360 lbs

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 — Mean dia. of Receivers 6-0 3/8" Length 21'-0 13/16"

Material of shell plates Steel Thickness 1 3/8" Range of tensile strength 27-32 tons Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams D.R long. seams T.R. D.B.S. Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 4 13/16"

Width of butt straps 16 5/8" Per centages of strength of longitudinal joint 98.8 Working pressure of shell by rules 360 lbs Size of manhole in end 16" x 12" Size of compensating ring dished 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 — Material Steel Thickness 1 13/32 + 1 1/32"

Pitch of stays None Radius of ends 4'-0" Working pressure by rules 35 1/2 lbs 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 —

SUPERHEATER. 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 —

MARKS
NO 826
LLOYD'S TEST
585 LBS
WP 356 LBS
H.P.S. 13-8-23

The foregoing is a correct description,
 For HARLAND & WOLFF LTD.
J. J. Kay Manufacturer.

Dates of Survey — During progress of work in shops — while building — During erection on board vessel —
 Is the approved plan of Receivers forwarded herewith Will be forwarded with last receivers (6569).
 Total No. of visits —

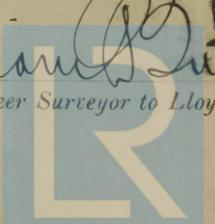
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These receivers have been built under special survey, materials & workmanship good, hydraulic tests satisfactory. They are being shipped to Glasgow & be fitted in the vessel. These receivers have now been fitted on board in an efficient manner and safety valves adjusted to 360 lbs.

Survey Fee ... £8-8-0 : When applied for, 25. 8. 1923
 Travelling Expenses (if any) £ : When received, 9. 10. 1923

William Butler & Co. Crinick
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute
 Assigned See Rpt. No. 43244

GLASGOW - 8 JAN 1924



Lloyd's Register Foundation