

REPORT ON BOILERS.

No. 9717

AIR RECEIVERS

Received at London Office 11 APR 1921

Writing Report 19 When handed in at Local Office 19 Port of Belfast

Survey held at Belfast Date, First Survey See J. & G. report. 19
(Number of Visits)

on the PORT FREMANTLE Tons } Gross } Net }

Belfast By whom built Wigham Clark & Co. Yard No. 489 When built

made at Sunderland By whom made Wigham Clark & Co. Ltd. Engine No. 154 When made

made at By whom made Boiler No. When made

Commonwealth & Dominion Line Ltd. Port belonging to London

TECHNICAL ~~DONKEY BOILER~~ AIR RECEIVERS.

Belfast By whom made Wigham Clark & Co. Boiler No. H1 When made 1927 Where fixed Engine Room

Manufacturers of Steel Fried Krupp Ltd.

CAPACITY OF RECEIVERS 3 at 160 lb = 480 lb In forced draught fitted Coal or Oil fired

Description of Boilers Three Dished-ended Shell Receivers Working pressure 600 lbs

Tested by hydraulic pressure to 800 lbs Date of test 25 Feb 1927 No. of Certificate

Firegrate in each Boiler No. and Description of safety valves to each boiler

each set of valves per boiler } per rule } Pressure to which they are adjusted } Are they fitted with easing gear }
as fitted

Whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers

Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated Largest internal dia. of boiler 51" Height 12'6"

Material: Material Steel Tensile strength 28 1/2 to 32 1/2 tons Thickness 1 1/2"

Shell plates welded or flanged No. Description of riveting: circ. seams } end Double } long seams Triple S.S.
inter. ✓

Rivet holes in } circ. seams 1 3/32" Pitch of rivets } 3.277" Percentage of strength of circ. seams } plate 62.8 } of Longitudinal joint } plate 85.5 }
long. seams 1 5/32" } 8" } rivets 49.8 } rivets 85.8 }
combined 88.2 }

Working pressure of shell by rules 608 lbs Thickness of butt straps } outer 7/8" }
inner 1"

Crown: Whether complete hemisphere, dished partial spherical, or flat Dished partial spherical Material Steel

Tensile strength 26 to 30 tons Thickness 1 3/8" Radius 33" Working pressure by rules 624 lbs

Position of Furnace: Plain, spherical, or dished crown Material Tensile strength

External diameter } top } Length as per rule } Working pressure by rules }
bottom

Number of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

Number of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

Thickness of Ogee Ring Diameter as per rule } D } Working pressure by rule }
a

Position Chamber: Material Tensile strength Thickness of top plate

Working pressure by rule Thickness of back plate Diameter if circular

Pitch of stays Are stays fitted with nuts or riveted over

Working pressure of back plate by rules

Material: Material } front } Tensile strength } Thickness } Mean pitch of stay tubes in nests }
back

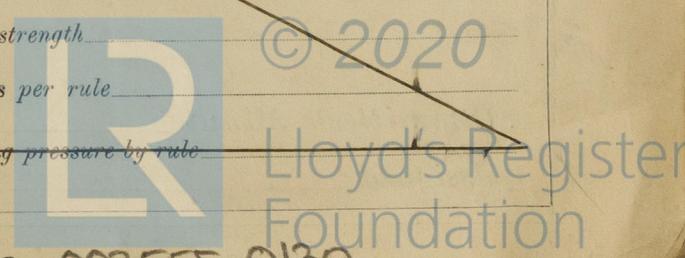
Working shell, Dia. as per rule } front } Pitch in outer vertical rows } Dia. of tube holes FRONT } stay } BACK } stay }
back } plain } plain }

Working pressure by rules } front }
back }

Material Tensile strength

Length as per rule

No. and pitch of stays in each Working pressure by rule



003549-003555-0130

