

REPORT ON BOILERS

No. 16298.

13 APR 1929

Received at London Office

Date of writing Report 12.4.29 When handed in at Local Office 12.4.29 Port of Grimby
 No. in Reg. Book Survey held at Lincoln Date, First Survey 5-2-29 Last Survey 4.4.29
 on the (Number of Visits 9) Gross Tons Net
 Built at Yokohama By whom built Yokohama Dock Co. Yard No. ? When built
 Engines made at By whom made Engine No. When made
 Boilers made at Lincoln By whom made Babcock & Wilcox, Ltd. Boiler No. 734595 When made 1929
 Owners Port belonging to

VERTICAL DONKEY BOILER.

Made at Lincoln By whom made Babcock & Wilcox, Ltd. Boiler No. 734595 When made 1929 Where fixed -
 Manufacturers of Steel Parkgate 1st St. Co. Ltd.
 Total Heating Surface of Boiler 350 sq. ft. Is forced draught fitted - Coal or Oil fired oil & coke
 No. and Description of Boilers one, Clarken, waste heat Working pressure 100 lb.
 Tested by hydraulic pressure to 200 lb. Date of test 27th March, 1929 No. of Certificate 266
 Area of Firegrate in each Boiler - No. and Description of safety valves to each boiler Two spring loaded.
 Area of each set of valves per boiler { per rule 4.56 as fitted 6.28 Pressure to which they are adjusted - Are they fitted with easing gear -
 State whether steam from main boilers can enter the donkey boiler - Smallest distance between boiler or uptake and bunkers or woodwork - 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 5'-0" Height 8'-3 7/8"
 Shell plates: Material S. M. steel Tensile strength 28/32 T Thickness 7/16"
 Are the shell plates welded or flanged D. R. Lap Description of riveting: circ. seams { end SR & DR Lap inter. SK Lap long. seams DR Lap
 Dia. of rivet holes in { circ. seams 13/16 long. seams 13/16 Pitch of rivets { 1 7/8 x 2 5/8 2 3/8 x 2 6/8 Percentage of strength of circ. seams { plate 57.69 rivets 52.74 of longitudinal joint { plate 69 rivets 74 combined 75
 Working pressure of shell by rules 133 lb. Thickness of butt straps { outer inner
 Shell Crown: Whether complete hemisphere, dished partial spherical, or flat Flat Material S. M. steel
 Tensile strength 26/30 T. Thickness 5/8" Radius - Working pressure by rules 230 lb.
 Description of Furnace: Plain, spherical, or dished crown dished Material S. M. steel Tensile strength 26 T. 30
 Thickness 7 13/16" External diameter { top 4'-1 1/8" bottom - Length as per rule 5'-2 1/2" Working pressure by rules 112 lb.
 Pitch of support stays circumferentially - and vertically - Are stays fitted with nuts or riveted over -
 Diameter of stays over thread - Radius of spherical or dished furnace crown 3'-8" Working pressure by rule 117 lb.
 Thickness of Ogee Ring 7/8" Diameter as per rule { D 4'-1 1/8" a 4'-1 3/8" Working pressure by rule 182 lb.
 Combustion Chamber: Material Tensile strength Thickness of top plate
 Radius if dished Working pressure by rule Thickness of back plate Diameter if circular
 Length as per rule Pitch of stays Are stays fitted with nuts or riveted over -
 Diameter of stays over thread Working pressure of back plate by rules
 Tube Plates: Material { front back Tensile strength Thickness Mean pitch of stay tubes in nests
 If comprising shell, Dia. as per rule { front back Pitch in outer vertical rows { Dia. of tube holes FRONT { stay plain BACK { stay plain
 Is each alternate tube in outer vertical rows a stay tube Working pressure by rules { front back
 Girders to combustion chamber tops: Material Tensile strength
 Depth and thickness of girder at centre Length as per rule
 Distance apart No. and pitch of stays in each Working pressure by rule

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Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

~~BARBOUR~~ & WILCOX LTD

(Lincoln Branch).

Manufacturer.

Is the approved plan of boiler forwarded herewith
(If not state date of approval.)

Total No. of visits

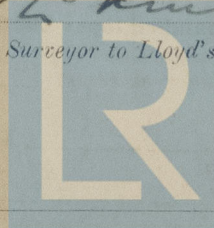
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been
built under special survey and in accordance
with the Rules and approved plan.
The materials and workmanship are good.
This boiler has now been despatched to Yokohama.
This case is a duplicate of Grimsby No. 16297.

W. G. C. K. L. C.
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 2 MAY 1930

Assigned

See F. E. Rpt



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