

REPORT ON BOILERS.

Make No. 4423
No. 50870

Port of MIDDLESBROUGH-ON-TEES.

Received at London Office 17 MAY 1906

5.

Survey held at Middlesbrough

Date, first Survey Sept. 29, 1905 Last Survey May 11, 1906

Book. Donkey Boiler (No. 1429) for S.S. Okehampton Tons { Gross 2875 Net 2531

By whom built Robert Stephenson & Co. Ltd When built 1906

By whom made N. Eastern Man. Coy. Ltd when made 1906

By whom made J. S. Co. Ltd. when made 1906

Owners Okehampton S.S. Co. Ltd. Port belonging to Cardiff

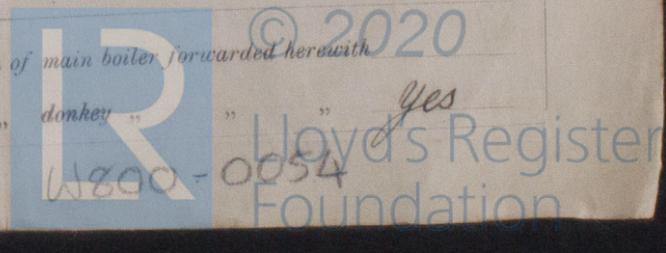
WATER-TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Total Heating Surface of Boilers Is forced draft fitted No. and Description of
 Working Pressure Tested by hydraulic pressure to Date of test
 Can each boiler be worked separately Area of fire grate in each boiler No. and Description of
 Area of each valve Pressure to which they are adjusted
 In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Mean dia. of boilers Length
 Are the shell plates welded or flanged
 Diameter of rivet holes in long. seams Pitch of rivets
 Working pressure of shell by
 No. and Description of Furnaces in each
 Material Outside diameter Length of plain part Thickness of plates
 Working pressure of furnace by the rules Combustion chamber
 Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
 Working pressure by rules Material of stays Diameter at
 End plates in steam space: Material Thickness
 Material of Front plates at bottom Thickness Material of
 Working pressure of plate by rules Diameter of tubes
 Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
 Girders to Chamber tops: Material Depth and thickness of
 Number and pitch of Stays in each
 Can the superheater be shut off and the boiler worked
 Description of longitudinal joint Diam. of rivet
 Material of flue plates Thickness
 End plates: Thickness How stayed
 Area of safety valves to superheater Are they fitted with easing gear

VERTICAL DONKEY BOILER—No. One Description Blakes Improved Patent Manufacturers of steel Clyde Bridge Steel Co. Ltd

Made at Middlesbrough By whom made Richardsons Westgarth & Co. Ltd When made 1906 Where fixed Main deck
 Working pressure 80 lb tested by hydraulic pressure to 160 lb No. of Certificate 3602 Fire grate area 284 sq ft Description of safety valves Spring
 Area of safety valves 2 Area of each 5.93 sq ft Pressure to which they are adjusted 85 lb If fitted with easing gear Yes If steam from main boilers can
 Dia. of donkey boiler 7'-6" Length 16'-6" Material of shell plates Steel Thickness 15" Range of tensile
 Descrip. of riveting long. seams DR lap Dia. of rivet holes 15" Whether punched or drilled drilled Pitch of rivets 3"
 Working pressure of shell by rules 81 lb Thickness of shell crown plates 15"
 Diameter of furnace Top 3'-6" Bottom 6'-1 1/2" Length of furnace 5'-0 1/2" Comb. Chamb.
 Working pressure of furnace by rules 86.5 lb Thickness of furnace crown
 Diameter of uptake 2 1/2" Thickness of uptake plates Pitch of
 Stays by cylindrical Diameter of uptake Thickness of uptake plates Pitch of
 The foregoing is a correct description. For RICHARDSONS, WESTGARTH & Co. Ltd,
 Manufacturer. J. P. Caton

During progress of work in shops - - - 1905 Sept 29, Oct 2, 11, 16, 21, 23, 24, Dec 19, 1906 Jan 4, 16, 19, 23, 29, 31, Feb 5-9
 During erection on board vessel - - - 1906 April 20, May 11.
 Total No. of visits 21
 Is the approved plan of main boiler forwarded herewith Yes
 " " " donkey " " Yes



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

This boiler has been built under Special Survey.
 The materials and workmanship are good and efficient.
 After satisfactorily withstanding the hydraulic test it has
 been despatched for fitting on board.
 The Boiler and its mountings have been fitted on board in a
 satisfactory manner.

Certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for.
Special	£	:	:	19
Donkey Boiler Fee ...	£ 2	:	2	When received.
Travelling Expenses (if any) £	:	:	:	19

R. D. Shilston & J. E. Selles
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI. 18 MAY 1906

Committee's Minute

Assigned

*See Minute on hwc. Rph.
 No 50872*



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