

# REPORT ON BOILERS.

File No. 4423  
No. 50870

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Port of MIDDLESBROUGH-ON-TEES.

Received at London Office THUR. 17 MAY 1906

Survey held at Middlesbrough

Date, first Survey Sept. 24, 1905 Last Survey May 11, 1906

Book. Donkey Boiler (No. 1429) for S.S. Okehampton

F. Mogg Built at Hebburn By whom built Robert Stephenson & Co. Ltd When built 1906

es made at Wallsend By whom made N. Eastern Man. Coy. Ltd when made 1906

es made at -1- By whom made - when made 1906

tered Horse Power Owners Okehampton S.S. Co. Ltd. Port belonging to Cardiff

**LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.**—Manufacturers of Steel

for record ) **Total Heating Surface of Boilers** Is forced draft fitted **No. and Description of**

**Working Pressure** Tested by hydraulic pressure to **Date of test**

**of Certificate** Can each boiler be worked separately **Area of fire grate in each boiler** **No. and Description of**

**valves to each boiler** **Area of each valve** **Pressure to which they are adjusted**

**they fitted with easing gear** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

**least distance between boilers or uptakes and bunkers or woodwork** **Mean dia. of boilers** **Length**

**material of shell plates** **Thickness** **Range of tensile strength** **Are the shell plates welded or flanged**

**rip. of riveting: cir. seams** **long. seams** **Diameter of rivet holes in long. seams** **Pitch of rivets**

**of plates or width of butt straps** **Per centages of strength of longitudinal joint** **Working pressure of shell by**

**Size of manhole in shell** **Size of compensating ring** **No. and Description of Furnaces in each**

**Material** **Outside diameter** **Length of plain part** **Thickness of plates** **Combustion chamber**

**ription of longitudinal joint** **No. of strengthening rings** **Working pressure of furnace by the rules** **Material of stays** **Diameter at**

**Material** **Thickness** **Sides** **Back** **Top** **Bottom** **Pitch of stays to ditto: Sides** **Back**

**If stays are fitted with nuts or riveted heads** **Working pressure by rules** **Material of stays** **Diameter at**

**least part** **Area supported by each stay** **Working pressure by rules** **End plates in steam space: Material** **Thickness**

**h of stays** **How are stays secured** **Working pressure by rules** **Material of stays** **Diameter at smallest part**

**Area supported by each stay** **Working pressure by rules** **Material of Front plates at bottom** **Thickness** **Material of**

**er back plate** **Thickness** **Greatest pitch of stays** **Working pressure of plate by rules** **Diameter of tubes**

**h of tubes** **Material of tube plates** **Thickness: Front** **Back** **Mean pitch of stays** **Pitch across wide**

**er spaces** **Working pressures by rules** **Girders to Chamber tops: Material** **Depth and thickness of**

**er at centre** **Length as per rule** **Distance apart** **Number and pitch of Stays in each**

**Working pressure by rules** **Superheater or Steam chest: how connected to boiler** **Can the superheater be shut off and the boiler worked**

**erately** **Diameter** **Length** **Thickness of shell plates** **Material** **Description of longitudinal joint** **Diam. of rivet**

**s** **Pitch of rivets** **Working pressure of shell by rules** **Diameter of flue** **Material of flue plates** **Thickness**

**stiffened with rings** **Distance between rings** **Working pressure by rules** **End plates: Thickness** **How stayed**

**Working pressure of end plates** **Area of safety valves to superheater** **Are they fitted with easing gear**

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

de 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

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



**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. Sellers.*  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI. 18 MAY 1906

Committee's Minute

Assigned

*See Minute on hwc. Rph.*  
*hr 50872*



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