

# REPORT ON BOILERS.

Mal.F.F.Rpt. No 8982.

No. 8859.

Writing Report 19 When handed in at Local Office Mar. 4 1915 Port of Middleton  
 Survey held at Darlington Date, First Survey Sept. 15 1914 Last Survey Feb. 12 1915  
 on the Donkey Boiler No. 3271 for S. S. Bilwood (Number of Visits 17)  
 Built at Stockton By whom built Ropner & Sons Ltd. (S.S. No. 501) Tons { Gross Net  
 made at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When built 1915  
 When made 1915  
 Port belonging to

**TICAL DONKEY BOILER**— No. One Description Blake Patent Manufacturers of steel John Spencer & Sons Ltd.  
Darlington By whom made Blake Boiler, W. & Eng. Co. Ltd. When made 1915 Where fixed Stockton Working pressure 120 lbs  
 y hydraulic pressure to 240 Date of test 12. 2. 15 No. of Certificate 5466 Fire grate area 32 sq ft Description of safety valves direct spring  
 safety valves 2 Area of each 7.07 Pressure to which they are adjusted 125 If fitted with easing gear yes If steam from main boilers can  
 e donkey boiler no Dia. of donkey boiler 8'-0" Length 17'-3" Material of shell plates Steel Thickness 23/32" Range of tensile  
28-32 Descrip. of riveting long. seams J. R. Lap Dia. of rivet holes 15/16" Whether punched or drilled Drilled Pitch of rivets 3 3/4"  
 plating 6 3/8" Per centage of strength of joint 75 Working pressure of shell by rules 132 lbs Thickness of shell crown plates 19/32"  
 of do 3'-10 1/16" No. of Stays to do. 2 plate Dia. of stays 1 5/8" x 3/4" Diameter of furnace Top 4'-0" Bottom 6'-5" Length of furnace 4'-4"  
 ss of furnace plates 16 Description of joint Welded Working pressure of furnace by rules 124 lbs Thickness of furnace crown  
4 1/2" Radius of do. 4'-0" Stayed by 2 plate stays Diameter of uptake 2 3/4" Thickness of uptake plates Front 1 1/16"  
Back 1 3/32" of water tubes 4 1/8" Verif. Diameter of uptake 2 3/4" Thickness of uptake plates Front 1 1/16"  
Back 1 3/32"  
 SURVEY REQUEST NO. 1051 ATTACHED.  
 The foregoing is a correct description.  
Herbert Blake Manufacturer.

During progress of work in shops - 1914 Sep. 15-21-30 Oct. 18-21-29 Nov. 5-12-20 Dec. 9-11-21 1915 Jan. 8-22-28 Feb. 5-12  
 During erection on board vessel - -  
 Total No. of visits 17

Is the approved plan of boiler forwarded herewith yes

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

This boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested hydraulic pressure with satisfactory results.

This boiler has now been satisfactorily secured on board, examined under steam, and safety valves adjusted.

Wm Morrison

19.6.15

Survey Fee ... £ 2 : 2 : } When applied for, MONTHLY A/c.  
 Travelling Expenses (if any) £ : 8/8 : } When received, 19

I. Kest

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

Committee's Minute FRI. JUL. 2-1915

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