

REPORT ON BOILERS.

No. 7492

SAT. 16 OCT 1909

Date of writing Report 15th Oct 1909. When handed in at Local Office 1909. Port of *Sunder*.
 No. in Survey held at *Sunder*. Date, First Survey *September 2nd* Last Survey *October 15th* 1909.
 Reg. Book. *40* on the *DONKEY BOILER FOR LIGHTSHIP "ABERTAY" (NOT CLASSED)* (Number of Visits) Gross *117* Tons Net *117*
 Master *Swadwell* Built at *Alroath* By whom built *J. Roncy* When built *1877*
 Boilers made at *Sunder* By whom made *Messrs Cooper & Greig* When made *1909*
 Owners *Trustees of the Harbour of Sunder* Port belonging to *Sunder*.

VERTICAL DONKEY BOILER No. *1* Description *Vertical Cross Tube* Manufacturers of steel *Charles B. Gardmore and Co. Ltd. London*
 Made at *Sunder* By whom made *Cooper & Greig* When made *1909* Where fixed *Working pressure*
 tested by hydraulic pressure to *160 lb* Date of test *15.10.09* No. of Certificate *906* Fire grate area *11.5 sq ft* Description of safety valves *✓*
 No. of safety valves *✓* Area of each *✓* Pressure to which they are adjusted *✓* If fitted with easing gear *✓* If steam from main boilers can enter the donkey boiler *✓*
 Dia. of donkey boiler *4'-6"* Length *9'-6"* Material of shell plates *Steel* Thickness *3/8"* Range of tensile strength *28-32* Descrip. of riveting long. seams *D.R. Lap* Dia. of rivet holes *3/4"* Whether punched or drilled *Drilled* Pitch of rivets *2 1/2"*
 Lap of plating *3 3/4"* Per centage of strength of joint *79 7/8%* Working pressure of shell by rules *106 lb* Thickness of shell crown plates *9/16"*
 Radius of do. *7'-9"* No. of Stays to do. *6* Dia. of stays *1 1/2"* Diameter of furnace Top *3'-5"* Bottom *3'-11"* Length of furnace *5'-0"*
 Thickness of furnace plates *1/2"* Description of joint *Riveted. S.* Working pressure of furnace by rules *95 lb* Thickness of furnace crown plates *1/2"* Radius of do. *7'-9"* Stayed by *6 Stay* Diameter of uptake *10"* Thickness of uptake plates *1/2"*
 Thickness of water tubes *3/8"*

The foregoing is a correct description,
Cooper & Greig Manufacturer.

Dates of Survey while building { During progress of work in shops - - - } *Sept 2. 7. 15. 21. 24. 28 Oct 1. 7. 11. 15*
 { During erection on board vessel - - - }
 Total No. of visits *10*

Is the approved plan of boiler forwarded herewith *Yes. ✓*

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

This Boiler has been built under Special Power and is accordance with the approved plan and the Society's Rules. The material & workmanship are good, and on completion the Boiler was tested by hydraulic pressure to 160 lb per sq inch with satisfactory results.

The Boiler has been stamped

No 906
 LLOYDS TEST.
 160 LB.
 E.M.S. 15.10.09.

Survey Fee ... £ *2 : 2* : When applied for *15th Oct 1909*
 Travelling Expenses (if any) £ : : When received *30. 11. 1909*

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

Committee's Minute

Assigned *Not for classing committee*



Lloyd's Register
 Foundation

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