

REPORT ON BOILERS.

No. 7492

SAT. 16 OCT 1909

Date of writing Report 15th Oct 1909. When handed in at Local Office Dundee. Port of Dundee.
 No. in Survey held at Dundee. 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 Net 117
 Master Swaddell. Built at Alroath. By whom built J. Roncy. When built 1877.
 Boilers made at Dundee. By whom made Messrs Cooper & Greig. When made 1909.
 Owners Trustees of the Harbour of Dundee. Port belonging to Dundee.

VERTICAL DONKEY BOILER— No. 1 Description Vertical Cross Tube Manufacturers of steel Charles Beardmore and Co. Glasgow
 Made at Dundee 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 Rivets 79% 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 in 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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