

REPORT ON BOILERS.

No. 5478
SAT. 1 MAY 1909

Date of writing Report 24/4/09 19 When handed in at Local Office 24/4/09 19 Port of MIDDLESBROUGH-ON-TEES
Saftey No. in Survey held at Stockton-on-Tees Date, First Survey 1st February Last Survey 16th April 1909
Reg. Book. 60 of the Steel Screw Steamer 'MAGDALENA' AS No 132 Tons Gross Net
Master Built at Stockton By whom built Craig Taylor & Co Lim When built 1909
Boilers made at Stockton By whom made Riley Bros Lim (Plr No 3991) When made 1909
Owners A. B. Jensen Port belonging to Ferneuzen

VERTICAL DONKEY BOILER— No. one Description Meredith Pat Manufacturers of steel J Spencer & Sons
Made at Stockton By whom made Thos Riley Bros Lim When made 1909 Where fixed Steadhold Working pressure 90 lb
tested by hydraulic pressure to 180 Date of test 3.3.09 No. of Certificate 4236 Fire grate area 19.6 Description of safety valves direct spring
No. of safety valves 2 Area of each 4.91 Pressure to which they are adjusted 90 If fitted with easing gear yes If steam from main boilers can
enter the donkey boiler no Dia. of donkey boiler 6'-6" Length 14'-0" Material of shell plates steel Thickness 15/32 Range of tensile
strength 28-32 Descrip. of riveting long. seams Sbl Riv lap Dia. of rivet holes 15/16 Whether punched or drilled punched Pitch of rivets 3 1/4"
Lap of plating 4 3/4 Per centage of strength of joint Rivets 76.8 Working pressure of shell by rules 97 lb Thickness of shell crown plates 15/32
Radius of do. Hemisph. No. of Stays to do. one Dia. of stays 1/2 guant Diameter of furnace Top 4'-5" Bottom 5'-6 3/8 Length of furnace 2'-7"
Thickness of furnace plates 5/8 Description of joint Single Riv lap Working pressure of furnace by rules 110 lb Thickness of furnace crown
plates 19/32 Radius of do. 3'-0" Stayed by Lashed Diameter of tubes 3" Thickness of tubes plates 19/32 - 19/32
Thickness of tubes 5/16. Corn chamber plates = 1/2": 1 1/8 off diam The foregoing is a correct description.
steel stays pitched, top = 7 1/2 x 9, Back 8 x 8 1/2
2 Girders 5 1/2 x 1 1/4 + one 1/2 guant - to corn chamber top. FOR RILEY BROS. BOILERMAKERS, LIMITED. Manufacturer.

2. Dates During progress of work in shops - - 1909 Feb. 3.5.9.11.15.18.22.24.26. Mar. 13.
Survey During erection on board vessel - - April 2.8.16
while building Total No. of visits 14
09 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 survey in accordance with the approved plan, the Secretary's letter of the 8/1/09 and in general conformity with the Rules. The materials and workmanship are sound and good, and on completion the boiler was tested by hydraulic pressure with satisfactory results, also examined under steam and safety valves adjusted, after boiler run in position in vessel and all found satisfactory

Survey Fee ... £ 2-2-0 When applied for, Monthly Ac.
Travelling Expenses (if any) £ ✓ : When received, 25/5/09 14/6/09

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

Committee's Minute TUES. 4 MAY 1909

Assigned see minute on

Sld Rpt 24047



3992



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Foundation