

REPORT ON BOILERS.

No. 6233.

RECEIVED JUL 3 MAY 1910

Date of writing Report 2/5/10 When handed in at Local Office 24th May 1910 Port of Middlesbrough
 No. in Survey held at Stockton-on-Tees Date, First Survey 26th March Last Survey 27th April 1910
 Reg. Book. 1539 on the S.S. "Speedwell" (Number of Visits 6) Gross 974 Tons Net 579
 Master _____ Built at Blyth By whom built Hodgson & Soulsby When built 1880-6
 Boilers made at Stockton By whom made Messrs Riley Bros (No 4149) When made 1910
 Owners E. Hancock & Co. Port belonging to Falmouth

VERTICAL DONKEY BOILER - No. one Description Vert. 4 corr tubes Manufacturers of steel Southern Iron & Steel Co. Muncie & Sons
 Made at Stockton By whom made Messrs Riley Bros When made 1910 Where fixed Stockton Working pressure 100
 Tested by hydraulic pressure to 200 Date of test 27.4.10 No. of Certificate 4417 Fire grate area 21 Description of safety valves Spring loaded
 No. of safety valves 1 Area of each 3³/₄ Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no
 Dia. of donkey boiler 6'-0" Length 11'-0" Material of shell plates steel Thickness 15/32 Range of tensile strength 28-32 Descrip. of riveting long. seams 2 Riv lap Dia. of rivet holes 15/16 Whether punched or drilled punched Pitch of rivets 3/4
 Gap of plating 4³/₄ Per centage of strength of joint Rivets 77 Working pressure of shell by rules 112 Thickness of shell crown plates 7/16
 Radius of do. 5'-0" No. of Stays to do. 6 Dia. of stays 1 1/2 Diameter of furnace Top 4'-11 Bottom 5'-3 1/2 Length of furnace 5'-0"
 Thickness of furnace plates 19/32 Description of joint single lap Working pressure of furnace by rules 100 Thickness of furnace crown plates 19/32 Radius of do. 5'-0" Stayed by as shell crown Diameter of uptake 16" Thickness of uptake plates 7/16
 Thickness of water tubes 3/8"

The foregoing is a correct description.
 RILEY BROS. (BOILERMAKERS) LIMITED
 A. Lund
 Manufacturer.

Dates { During progress of work in shops - - 1910. Mar. 26. Apr. 5. 13. 20. 22. 27.
 Survey while board vessel (3m) 1910:- June 28th July 1. 7. 13th
 Total No. of visits 6 + 4 = 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 survey in accordance with the approved plan, the Secretary's letter E-18.3.10 and in general conformity with the Rules. The material and workmanship are sound and good and on completion the boiler was tested by hydraulic pressure with satisfactory results. The boiler is to be sent to Cardiff

Survey Fee £ 2-2-0 When applied for monthly etc.
 Travelling Expenses (if any) £ ✓ : : When received, 19

W. Morrison (J. G. Johnson)
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUES. 19 JUL 1910
 Assigned



Rpt. 9/11
 5/5710