

REPORT ON BOILERS.

No. 11526

Received at London Office TUE APR. 10 1923
 Date of writing Report 19 When handed in at Local Office 7. 4. 23 19 Port of MIDDLESBRO'
 No. in Survey held at Stockton-on-Tees Date, First Survey 9th February Last Survey 4th April 1923
 Reg. Book. on the S.S. "HARFAY." (Number of Visits 12) (S.S. No 252) Gross 909 Tons Net 438
 Master Built at Goole By whom built Goole S. B. Geo Jim When built 1924.
 Boilers made at Stockton By whom made Messrs Riley Bros Lim (No 5440) When made 1923
 Owners J. Hargreaves & Co. Port belonging to

VERTICAL DONKEY BOILER— No. one Description 2 cross tubes Manufacturers of steel South Durham S. B. (malleable) Working pressure 100
 Made at Stockton By whom made Messrs Riley Bros Lim When made 1923 Where fixed Stockhold
 tested by hydraulic pressure to 200 Date of test 4. 4. 23 No. of Certificate 6295 Fire grate area 22½ Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 3.140 Pressure to which they are adjusted 100 lb If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no Dia. of donkey boiler 6'-0" Length 10'-0" Material of shell plates steel Thickness 13/32 Range of tensile strength 28-32 Descrip. of riveting long. seams 2 Riv. lap Dia. of rivet holes 13/16 Whether punched or drilled drilled Pitch of rivets 2 1/8
 Lap of plating 4 1/2 Per centage of strength of joint Rivets 77.3 Working pressure of shell by rules 103 Thickness of shell crown plates 1/2
 Radius of do. 5'-0" No. of Stays to do. 6 Dia. of stays 1 1/2 Diameter of furnace Top 4'-10" Bottom 5'-6" Length of furnace 3'-11"
 Thickness of furnace plates 5/8 Description of joint Single Riv lap Working pressure of furnace by rules 104 Thickness of furnace crown plates 5/8 Radius of do. 5'-0" Stayed by as shell crown Diameter of uptake 16 Thickness of uptake plates 7/8
 Thickness of water tubes 3/8
 The foregoing is a correct description of the boiler.

FOR RILEY BROS. (BOILERMAKERS) LIMITED.
 J. H. Shields, SECRETARY.

Dates of Survey while building
 During progress of work in shops- 1923 Feb. 9. 16. 23. Mar 1. 5. 7. 13. 15. 22. 24. 28. Apr 4
 During erection on board vessel - - - (see Hull Rpt. No 34998)
 Total No. of visits 12

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: is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results

The boiler has been properly fitted & secured on board the S.S. "Harfay".
 Its safety valves have been adjusted under steam & tested for accumulation.

P. Fitzgibbon.

Survey Fee ... £ 4-4-0 When applied for, monthly
 Travelling Expenses (if any) £ : : When received, 19

W. Morrison
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

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Lloyd's Register
 Foundation

W443-0114