

REPORT ON BOILERS.

No. 9191

MON. JAN. 1 - 1912

Received at London Office

Date of writing Report 30/12/11 19 11 When handed in at Local Office 31/12/11 19 11 Port of MIDDLESBROUGH ON T.E.U.

No. in Survey held at Stockton Date, First Survey 31/1/11 Last Survey 22nd Dec 11

Reg. Book. on the Donkey Boiler No. 4371 for Messrs Charles S.B. & Co. Ld. (Number of Visits 9) Tons Gross Net

Master Donkey Built at Stockton By whom built Messrs Riley Bros Ld. When built 1911

Boilers made at Stockton By whom made Messrs Riley Bros Ld. When made 1911

Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER — No. One Description Vertical Manufacturers of steel South Durham Steel Iron Co.

Made at Stockton By whom made Riley Bros Ld. When made 1911 Where fixed to hold Working pressure 100 lbs

tested by hydraulic pressure to 200 Date of test 22.12.11 No. of Certificate 4800 Fire grate area 22 Description of safety valves spring loaded

No. of safety valves two dia. of each 2 1/2 Pressure to which they are adjusted 100 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'-6" Material of shell plates Steel Thickness 15/32 Range of tensile strength 28-32 Descrip. of riveting long. seams D.R. Lap Dia. of rivet holes 27/32 Whether punched or drilled drilled Pitch of rivets 2 13/16

Lap of plating 4 8/8 Per centage of strength of joint Rivets 72 Working pressure of shell by rules 110 lbs Thickness of shell crown plates 17/32

Radius of do. 5'-0" No. of Stays to do. six Dia. of stays 1 3/4 Dia. of furnace Top 4'-9 1/16 Bottom 5'-5 1/16 length of furnace 4'-8"

Thickness of furnace plates 3/4 Description of joint S.R. Lap Working pressure of furnace by rules 138 lbs Thickness of furnace crown plates 3/4 Radius of do. 5'-0" Stayed by 6 stays 1 3/4 dia. 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.
 Manufacturer.
A. Reed
 SECRETARY,

Dates { During progress of work in shops - - } 1911. Nov. 30. Dec. 4. 11. 19. 22.

Survey while building { During erection on board vessel - - - } _____

Total No. of visits _____

Is the approved plan of boiler forwarded herewith yes

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

This donkey boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested by hydraulic pressure with satisfactory results. It is to be fitted on board the vessel at Hull.

SURVEY REQUEST NO. 482 ATTACHED

Survey Fee £ 2-2-0 When applied for, MONTHLY A/c. 19

Travelling Expenses (if any) £ : :) When received, 19

W. Morrison & J. Kerr
 Engineer Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute WED 10 10 1912

Assigned See minute on Hul. Rpt 24801

