

No. 12059

Proc. Report  
No. 79097

Received at London Office

Date of writing Report 30.8.1924 When handed in at Local Office 30.8.24 Port of MIDDLEBRO 18 APR 1925

No. in Survey held at Stockton-on-Tees Date, First Survey 14th February Last Survey 24th Aug. 1924  
Reg. Book. \_\_\_\_\_ (Number of Visits 14) Gross \_\_\_\_\_  
90558 on the Steel Lc. RABY CASTLE Tons } Net 459  
Master \_\_\_\_\_ Built at Dundell By whom built Caledon Lb Co. Ld. When built 1925  
Boiler made at Stockton By whom made Thos. Riley Bros Ltd (No 5504) When made 1924  
Owners James Chambers & Co. Port belonging to Riverpool

VERTICAL DONKEY BOILER— No. One Description Meredith Pat Manufacturers of steel South Durham S. Co  
Made at Stockton By whom made Fresno Riley Bros Ltd When made 1924 Where fixed (Malleable)  
tested by hydraulic pressure to 200 Date of test 27.8.24 No. of Certificate 6386 Fire grate area 10 4 Description of safety valves Spring  
No. of safety valves 2 Area of each 1.76 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 4'-9" Length 10'-6" Material of shell plates steel Thickness 3/8" Range of tensile  
strength 28-32 Descrip. of riveting long. seams 2 Riv. Lap Dia. of rivet holes 3/4" Whether punched or drilled drilled Pitch of rivets 2 1/2"  
Lap of plating 4" Per centage of strength of joint Rivets 75.0 Working pressure of shell by rules 120 Thickness of shell crown plates 19/32"  
Radius of do. 4'-6" No. of Stays to do. one Plates 70.7 Diameter of furnace Top 3'-4 1/4" Bottom 4'-2 1/4" Length of furnace 1'-9"  
Thickness of furnace plates 7/16" Description of joint weld Working pressure of furnace by rules 120 Thickness of furnace crown  
plates 7/16" Radius of do. 3'-0" Stayed by dished Diameter of FOR uptake tubes 2 3/4" x 11'-11" Thickness of uptake plates F-2 1/32"  
Thickness of stay tubes 2 3/4" x 5/16" @ 9 threads C.C. back plate 1/2" **RILEY BROS. (SHEET METAL) LIMITED.** B-2 1/16"  
C.C. stays 1 1/4" dia @ 9 threads, pitched 9 x 8 & nutted. The foregoing is a correct description,

**RILEY BROS. (GUN) MAKERS) LIMITED.**  
*The foregoing is a correct description.*

*W. H. Shields* **SECRETARY,** *Manufacturer.*

Dates of Survey while building	During progress of work in shops - }	1924, Feb. 14 - 26 Mar. 10 <del>Apr. 3</del> <sup>4</sup> June 17, 24 July 21, 22 Aug. 17, 14, 27
	During erection on board vessel - }	
	Total No. of visits	14

Is the approved plan of boiler forwarded herewith ☒

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

C.G. This Boiler was fitted on the bulk top in the Engine room of the Motor vessel "RAB CASTLE". It was apparently fastened, fitted with two spring loaded safety valves and easing gear. The valves were 1.76 sq. area were adjusted to 100 lbs. pressure under steam. The boiler burns oil fuel F. P. above 150° F.

Rfec. Amear  
Newcastle-on-Tyne.

Survey Fee ... .. £ 4-4-5 } When applied for, 19 .....

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

MONTHLY A/c. (September)

Wm Morrison

*Engineer Surveyor to Lloyd's Register of Shipping.*

## Committee's Minute

TUES. 21 APR 1925

*Assigned*

See Drum 7E, 8527

Lloyd's Register  
Foundation

60282-002815-0082