

# REPORT ON BOILERS.

No. 51775

16 SEP 1931

Date of writing Report: 19... When handed in at Local Office 11. 9. 1931 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 10-9-1931 Last Survey 10-9-1931  
 Reg. Book. 25538 on the BOILER N<sup>o</sup> 11454 for the S/S "GREENBAT" Tons { Gross 1407 Net 842  
 Master Built at Sunderland By whom built J. Priestman & Co. When built 1908-11  
 Boilers made at Annan By whom made Cochran & Co. Annan L<sup>d</sup>. When made 1931  
 Owners Newby's Steamer Tugs Ltd. (S.R. Newby, mgr) Port belonging to Newcastle

VERTICAL DONKEY BOILER— No. one Description Cochran Vertical Manufacturers of steel steel company of Scotland  
 Made at — By whom made — When made 1931 Where fixed Household Working pressure 100  
 tested by hydraulic pressure to 200 Date of test 10-9-31 No. of Certificate 19026 Fire grate area 87.0 Description of safety valves Enclosed spring  
 No. of safety valves 2 Area of each 3.14 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 Diameter of donkey boiler 6'-0" Length 10'-9" Material of shell plates steel Thickness 7/16 & 17/32  
 Range of tensile strength 28-32 Description of riveting long. seams Lap 10 R Diameter of rivet holes 25/32 Whether punched or drilled drilled Pitch of rivets 2.63, 2.62, 2.57 Lap of plating 3 7/8 Per centage of strength of joint Rivets 68.3 Working pressure of shell by rules 110 Thickness of shell crown plates 9/16 Radius of do. 5'-0" No. of stays to do. — Diameter of stays — Diameter of furnace—Top — Bottom 5'-0" Length of furnace — Thickness of furnace side plates 1/2 Description of joint seamless Working pressure of furnace by rules 137 Thickness of Ogee ring 13/16 Working pressure of Ogee ring by rules 101 Thickness of furnace crown plates 1/2 Radius of do. 2'-6" Stayed by hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 9/16 Thickness of tube plates front 13/16 back 13/16 Mean pitch of stay tubes in nest 14 7/8 Pitch in outer vertical rows 12"  
 Diameter of tube holes FRONT stay 4 3/16 plain 4 1/16 BACK stay 4 1/2 plain 4 Working pressure of tube plates by rules F 116. B 124 Tubes: Material Iron  
 External diameter stay 4" Thickness stay 11/32 No. of threads per inch 9 Pitch of tubes 5 7/8 x 6"  
 Working pressure by rules 169 lb Manhole compensation; Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 5/8" No. of rivets and diameter of rivet holes 36 @ 25/32 Outer row pitch at ends 3.69"

FOR COCHRAN & CO. description, - W.W.G.  
 Baker Manufacturer.  
 GENERAL WORKS MANAGER

Drawing No. 16178

Dates of Survey while building { During progress of work in shops - - }  
 { During erection on board vessel - - } Surveyor on regular attendance  
 Total No. of visits minimum four visits. Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
 The workmanship and materials are good.  
 The boiler has been constructed under special survey in accordance with the Rules & will be sent to the Tyne to be fitted in the vessel.  
 This boiler has now been secured on board, mountings fitted (all new) & safety valves adjusted under steam  
 E. J. Stoddart

Survey Fee ... £ 4 : 4 : } When applied for 19...  
 Travelling Expenses (if any) £ : : } When received 19...

MONTHLY ACCOUNT

S. Davis  
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 15 SEP 1931  
 Assigned TRANSMIT TO LONDON

FRI. 2 OCT 1931

