

REPORT ON BOILERS.

No. 8183
TUE. NOV. 11. 1913

Received at London Office

Date of writing Report 8. 11. 13 19 When handed in at Local Office 8. 11. 13 19 Port of MIDDLESBROUGH ON TEES.

No. in Reg. Book. 919 Survey held at Darlington Date, First Survey 19th September Last Survey 4th November 1913
on the Donkey Boiler No. 3231 for S.S. "Amulet" (Number of Visits 5) Gross Tons Net

Master Donkey Built at Darlington By whom built Blake Boiler, Wagon & Eng. Co. Ltd. When built 1913
Boilers made at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd. When made 1913
Owners G. Gibson & Co. Port belonging to Leith

VERTICAL DONKEY BOILER— No. One Description Blake Patent Manufacturers of steel J. Spencer & Sons Ltd.
Made at Darlington By whom made Blake Boiler, W. & E. Co. Ltd. When made 1913 Where fixed Stokerhold Working pressure 100 lbs
tested by hydraulic pressure to 200 Date of test 4. 11. 13 No. of Certificate 5184 Fire-grate area 16 sq Description of safety valves Spring loaded
No. of safety valves 2 Area of each 4.9^o Pressure to which they are adjusted ✓ If fitted with casing gear Yes If steam from main boilers can enter the donkey boiler No. Dia. of donkey boiler 5'-6" Length 11'-6" Material of shell plates Steel Thickness 7/16" Range of tensile strength 27-32 Descrip. of riveting long. seams B.R. Lap Dia. of rivet holes 13/16" Whether punched or drilled Drilled Pitch of rivets 2 5/8"
Lap of plating 4 1/4" Per centage of strength of joint Rivets 76 Plates 69 Working pressure of shell by rules 107 lbs Thickness of shell crown plates 7/16"
Radius of do. 2'-8 1/2" No. of Stays to do. ✓ Dia. of stays ✓ Diameter of furnace Top 2'-0" Bottom 4'-4" Length of furnace 4'-4"
Thickness of furnace plates 17/32" Description of joint Welded Working pressure of furnace by rules 103 lbs Thickness of furnace plates Top 1/16" Radius of do. 3'-9" Stayed by One stay 3" diameter of tubes 2 1/2" Thickness of tube plates Front 1" Back 23"
Thickens of water tubes 3 3/8" x 3 3/4"

FOR & ON BEHALF OF
THE BLAKE BOILER, WAGON & ENGINEERING CO. LIMITED.
James Blake, Managing Director

Dates of Survey while building
During progress of work in shops - - Sep 19. 25. Oct. 9. 21. Nov. 4.
During erection on board vessel - -
Total No. of visits 5

Is the approved plan of boiler forwarded herewith yes

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

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

This boiler has now been fitted on board in a satisfactory manner as per Leith Report No. 14260.

W. Dennis Leck
6/12/13

SURVEY REQUEST NO. 829. ATTACHED.

Survey Fee ... £ 2 : 2 :
Travelling Expenses (if any) £ : 8/8

MONTHLY A/c.

[Signature]

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE. DEC. 16. 1913
Assigned Ed Minute on Ann. Rpt 7800



DUN130B-0305

If not stated otherwise, one will be sent? In a Report also sent on the ship? Certificate Copyable Ink. (The proprietors are requested not to write on or below the space for Comm. & Messag.)