

REPORT ON BOILERS.

No. 8183
TUE. NOV. 11. 1913

Received at London Office

Date of writing Report 8. 11. 13

When handed in at Local Office 8. 11. 13

Port of MIDDLESBROUGH-ON-TEES.

No. in
Reg. Book.Survey held at *Darlington*

Date, First Survey

19th SeptemberLast Survey 14th November 1913

919 on the Donkey Boiler No. 3231 for S.S. "Amulet"

(Number of Visits 5)

Gross

Tons

Net

Master

Built at

By whom built

When built

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 *Stokehold* 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 sq 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 *DR. 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 *C. C.*
 plates Top 1/16" Radius of do. 3'-9" Stayed by *One stay 3" dia* diameter of tubes 2 1/2" Thickness of tube plates *Front 1" Back 23"*
 Thick. 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 During progress of work in shops - *Sept 19. 25. Oct. 9. 21. Nov. 4.*
 of Survey During erection on board vessel - -
 while building 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.

SURVEY REQUEST
NO. 829. ATTACHED.

W. Dennis Leck
6/12/13

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

When applied for, 19
 When received, 19

MONTHLY A/c.

Sherr

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

Committee's Minute

TUE. DEC. 16. 1913

Assigned

*Ed Munie**on Ann. Rpt 7800*

Lloyd's Register
 Foundation
 DUN1303-0305