

REPORT ON BOILERS

No. 6063.

DEC 28 DEC 1909

Date of writing Report 19 When handed in at Local Office 24. 12. 19 Port of MIDDLESBROUGH ON TEES.
No. in Survey held at Darlington Date, First Survey 18th Dec. 1909 Last Survey 8th Dec. 1909
Reg. Book. 653 on the Donkey Boiler No. 3136 for ~~SS~~ of *Allegany* (Number of Visits 6) Gross 4262 Tons Net 2789
Master *Donkey* Built at *West Hartlepool* By whom built *Furness Withy & Co* When built 1901-3
Boilers made at *Darlington* By whom made *Blake Boiler, Wagon & Eng. Co. Ltd.* When made 1909
Owners *Furness Withy & Co Ltd* Port belonging to *West Hartlepool*

VERTICAL DONKEY BOILER— No. *One* Description *Blake Patent* Manufacturers of steel *J. Spencer Sons & Co.*
Made at *Darlington* By whom made *Blake Boiler W. & E. Co. Ltd.* When made 1909 Where fixed *Stokehole* Working pressure *100 lbs*
Tested by hydraulic pressure to 200 Date of test 8. 12. 09 No. of Certificate 4341 Fire grate area 28 sq ft Description of safety valves *Spring direct. 2*
No. of safety valves 2 dia *2 3/4"* Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can enter the donkey boiler
Dia. of donkey boiler *7'-6"* Length *16'-6"* Material of shell plates *Steel* Thickness *9/16"* Range of tensile strength *28-32* Descrip. of riveting long. seams *S.R. Lap* Dia. of rivet holes *15/16"* Whether punched or drilled *drilled* Pitch of rivets *3"*
Gap of plating *4 5/8"* Per centage of strength of joint Rivets *69.5* Working pressure of shell by rules *103 lbs* Thickness of shell crown plates *9/16"*
Radius of do. *3'-9"* No. of Stays to do. *✓* Dia. of stays *✓* Diameter of furnace Top *3'-9"* Bottom *6'-1 1/4"* Length of furnace *4'-8"*
Thickness of furnace plates *23/32"* Description of joint *welded* Working pressure of furnace by rules *109 lbs* Thickness of furnace crown plates *Top 4 1/2"* Radius of do. *Top 3'-9"* Stayed by *✓* Diameter of uptake *2 1/2"* Thickness of uptake plates *Front 27/32"*
Back 15/32" Thickness of water tubes *3 3/4" Vert. 4 1/2" Diag.*

The foregoing is a correct description.
FOR BLAKE BOILER, WAGON & ENGINEERING CO. LTD.
James Blake Manufacturer.

Dates During progress of work in shops - - 19 09 Dec. 18 1909 2. 9. 18. 20 Dec. 8.
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 boiler has been constructed under Special Survey, is of good material and workmanship, and has been tested by hydraulic pressure with satisfactory results.

21. 3. 11
Fitted on board the Ss "Allegany" belonging to Furness Withy & Co Ltd of West Hartlepool
J. Blake

Survey Fee ... £ 2 : 2 :
Travelling Expenses (if any) £ : 6/6 :
When applied to *Monthly A/c.*
When received, 19
J. Keese
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



Sitting as new donkey boiler

as this Boiler has been
placed in stock, it is
submitted no further
action be taken until
the boiler has been
fitted on board a
classed vessel.

JFR HLD.
28.12.07.



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