

REPORT ON BOILERS.

Newcastle-on-Tyne. 57380
No. 12704.

Received at London Office THIR. 8 JUL 1909

Date of writing Report 3rd July 1909 When handed in at Local Office 5th July 1909 Port of Leith
 No. in Survey held at Swanmouth Date, First Survey 27th May Last Survey 28th June 1909
 Reg. Book. S.S. No 73 (Number of Visits 3) (Gross Tons Net)
 on the Donkey Boiler No 289 for Shipping Investments Ltd
 Master Swanmouth Built at Hardinguld By whom built Van. Vliet & Co When built 1909
 Boilers made at Swanmouth By whom made G. Black & Sons When made 1909
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER No. 289 Description Vertical 2 ton Manufacturers of steel Lothian & Co
 Made at Swanmouth By whom made G. Black & Sons When made 28/6/09 Where fixed Stitchell Working pressure 100 lbs
 tested by hydraulic pressure to 200 Date of test 28/6/09 No. of Certificate 657 Fire grate area 16.57 Description of safety valves Spring
 No. of safety valves One Area of each 8.29 Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No
 Dia. of donkey boiler 5-6 Length 9-6 Material of shell plates S Thickness 7/16 Range of tensile strength 25-32
 Descrip. of riveting long. seams Lap both Dia. of rivet holes 13/16 Whether punched or drilled Dr. Pitch of rivets 3 1/2
 Lap of plating 5/2 Per centage of strength of joint Rivets 110 Working pressure of shell by rules 125 Thickness of shell crown plates 9/16
 Plates 76 Radius of do. 5-6 No. of Stays to do. 4 Dia. of stays 1 1/2 Diameter of furnace Top 4-5 Bottom 4-10 Length of furnace 3-10
 Thickness of furnace plates 9/16 Description of joint Lap single Working pressure of furnace by rules 111 Thickness of furnace crown plates 5/8
 Radius of do. 4-9 Stayed by As per plan Diameter of uptake 15" Thickness of uptake plates 7/16
 Thickness of water tubes 3/8

The foregoing is a correct description,
G. Black & Sons Manufacturer.

Dates of Survey while building
 { During progress of work in shops - - } 1909. May 27. June 12. 28.
 { During erection on board vessel - - - } See Machine report
 Total No. of visits 3 Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 This donkey boiler has been built under special survey. The materials and workmanship are sound and good, and on completion it was tested by hydraulic pressure to twice the working pressure with satisfactory results.
 This boiler has not been fitted on board the above vessel.

Survey Fee ... £ 2 : 2 : } When applied for, 6/7/1909
 Travelling Expenses (if any) £ 2 : 8 : } When received, 31.7.1909

G. A. Smith W. 2020
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **TUES. 28 SEP 1909**
 Assigned not for classing committee



As it does not appear that
this Boiler is intended
for a Closed vessel
it is submitted that
no further action
be taken in this
case.

#GD

87.09

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Foundation