

REPORT ON BOILERS

THUR. 9 JUN 1910

Received at London Office

Date of writing Report 11th June 1910 When handed in at Local Office 8th June 1910 Port of Leith

No. in Survey held at Twusmouth Date, First Survey 13th April Last Survey 28th May 1910

Reg. Book. on the Smoky Biker 292 for Messrs H. & W. S. B. Co 132 s/s Trent (Number of Visits 4) Gross Net

Master _____ Built at Tws By whom built _____ When built _____

Boilers made at Twusmouth By whom made Wm. Black & Sons When made 1910

Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. 001 Description Vertical Manufacturers of steel Dunlop & Co.

Made at Twusmouth By whom made Black & Sons When made 28/5/10 Where fixed in Stokehold Working pressure 100 lbs

tested by hydraulic pressure to 200 lbs date of test 28/5/10 No. of Certificate 670 Fire grate area 17 sq ft Description of safety valves Spring

No. of safety valves 1 Area of each 8.29 sq ft Pressure to which they are adjusted 98 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 11-0" Material of shell plates S Thickness 7/16" Range of tensile strength 27-32 Descrip. of riveting long. seams Laps with Dia. of rivet holes 13/16" Whether punched or drilled Not Pitch of rivets 3 1/8"

Lap of plating 5 1/2" Per centage of strength of joint Rivets 110 Working pressure of shell by rules 125 Thickness of shell crown plates 9/16"

Radius of do. 4-9" No. of Stays to do. 4 Dia. of stays 1 1/2" Diameter of furnace Top 4-3" Bottom 4-10" Length of furnace 5-9"

Thickness of furnace plates 19/32" Description of joint Laps with Working pressure of furnace by rules 102 Thickness of furnace crown plates 2 1/32" Radius of do. 4-9" Stayed by as per plan Diameter of uptake 14" Thickness of uptake plates 3/8"

Thickness of water tubes 3/8"

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

Dates of Survey while building { During progress of work in shops -- } 1910 Apr 13-21-29, May 28
 { During erection on board vessel --- }
 Total No. of visits 4

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 double the working pressure with satisfactory results.

This boiler has been secured on board tested under steam and found satisfactory, and is now eligible in my opinion to be recorded in Register Book, as per report on machinery.

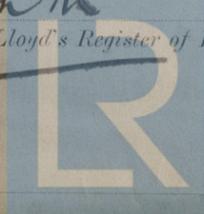
James Barclay

Survey Fee £ 2 : 2 : : When applied for, 8/6/1910
 Travelling Expenses (if any) £ 1 : 10 : 6 : : When received, 14/7 1910

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

TUE. 10 JAN 1911

Committee's Minute
 Assigned



Lloyd's Register
 Foundation

W744-0051