

# REPORT ON BOILERS.

No. 13365

Date of writing Report 10<sup>th</sup> June 1911 When handed in at Local Office 14<sup>th</sup> June 1911 Port of Breith  
 No. in Survey held at Wusmouth Date, First Survey 16<sup>th</sup> December Last Survey 7<sup>th</sup> June 1911  
 Reg. Book. 45 on the Donkey boiler for Messrs G. & S. B. Co. Vessels 145 s/s "Jus" (Number of Visits 5) Gross 533  
 Master G. P. Hutchinson Built at Goole By whom built Goole S & R. Co. Ltd. Tons Net 238  
 Boilers made at Wusmouth By whom made G. Black & Sons When built 1911  
 Owners G. P. Hutchinson When made 1911  
 Port belonging to Null

**VERTICAL DONKEY BOILER**— No. 001 Description Vertical Manufacturers of steel Donkey & Co. Ltd.  
 Made at Wusmouth By whom made G. Black & Sons When made 7/6/11 Where fixed in stokehold Working pressure 100 lbs  
 tested by hydraulic pressure to 200 Date of test 7/6/11 No. of Certificate 680 Fire grate area 17 sq ft Description of safety valves spring  
 No. of safety valves 1 Area of each 7.07 sq ft 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 11' 0" Material of shell plates S Thickness 7/16" Range of tensile strength 27-32 Descrip. of riveting long. seams Lap butt Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 3 1/8"  
 Lap of plating 5/8" Per centage of strength of joint 110 Working pressure of shell by rules 125 Thickness of shell crown plates 3/16"  
 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 Lap lap Working pressure of furnace by rules 100 lbs Thickness of furnace crown plates 3/16" Radius of do. 4' 9" Stayed by as shell crown Diameter of uptake 14" Thickness of uptake plates 3/8"  
 Thickness of water tubes 3/8"

The foregoing is a correct description,

G. Black &amp; Sons Manufacturer.

Dates of Survey while building { During progress of work in shops - - 1910 16<sup>th</sup> December, 1911, 10<sup>th</sup> & 30<sup>th</sup> January, 9<sup>th</sup> May, 7<sup>th</sup> June.  
 { 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 donkey boiler has been built under special survey. The materials and workmanship are sound and good and on completion was tested by hydraulic pressure to 200 lbs working pressure and found satisfactory.

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

James Barclay

Survey Fee ... £ 2 : 2 :  
 Travelling Expenses (if any) £ 1 : 12 : 6  
 When applied for, 9/6/11  
 When received, 21.6.11

Committee's Minute  
 Assigned

TUE. DEC 12. 1911

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



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 Foundation

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