

# REPORT ON BOILERS.

Hull Rpt No. 25524

No. 13270.

Date of writing Report 7/8/12 When handed in at Local Office 7/8/12

Port of Leth

Date, First Survey 19<sup>th</sup> July Last Survey 1<sup>st</sup> August 1912

No. in Reg. Book.

Survey held at Trawmouth

on the Donkey Boiler No 303 for Messrs Goble & Co 151

(Number of Visits 3)

Tons Gross

Not

Master

Built at Goble

By whom built Goble & Co Rye

When built 1912-10

Boiler made at Trawmouth

By whom made G. Black & Sons

When made 1912

Owners London & Channel Islands

Port belonging to London

## VERTICAL DONKEY BOILER

No. One

Description Vertical

Manufacturers of steel

Spencer & Co

Made at Trawmouth By whom made G. Black & Sons

When made 1912

Where fixed Stove hold

Working pressure 100 lbs

Tested by hydraulic pressure to 200 Date of test 1/8/12 No. of Certificate 693 Fire grate area 24<sup>ft</sup> Description of safety valves Two spring loaded

No. of safety valves Two Area of each 4.91 Pressure to which they are adjusted 90 If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no

Dia. of donkey boiler 6-3 Length 10-6 Material of shell plates S Thickness 5/32 Range of tensile strength 27/32

Descrip. of riveting long. seams Lap with Dia. of rivet holes 13/16 Whether punched or drilled drilled Pitch of rivets 3 1/8

Lap of plating 5 1/2 Per centage of strength of joint Rivets 82 Plates 74 Working pressure of shell by rules 105 Thickness of shell crown plates 5/8

Radius of do. 6-6 No. of Stays to do. 4 Dia. of stays 1 1/8 Diameter of furnace Top 5-0 Bottom 5-8 Length of furnace 5-6

Thickness of furnace plates 5/8 Description of joint Lap with Working pressure of furnace by rules 103 Thickness of furnace crown plates 3/4

Radius of do. 6-6 Stayed by as shell crown Diameter of uptake 15 3/4 Thickness of uptake plates 3/8

Thickness of water tubes 3/8

The foregoing is a correct description.

G. Black & Sons Manufacturer.

Dates During progress of work in shops - 1912 July 19-24 August 1.  
of Survey while building During erection on board vessel - -  
Total No. of visits 3

Is the approved plan of boiler forwarded herewith no.

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under special survey, and the materials and workmanship were found to be sound and good.

As this Donkey Boiler had not been constructed under the inspection of the Board of Trade Surveyors, & is fitted in a passenger vessel, the steel cross tubes have been cut out & iron ones fitted, a row of screw stays fitted through the shell & fire box & the diam of the crown stays increased to 1 3/4. On completion of the alterations the boiler was retested in my presence & found sound & tight. The safety valves have been adjusted to 90 lbs. In my opinion the Boiler is efficient for a working pressure of 100 lbs for which pressure it was originally passed.

Frank A. Stanger

Survey Fee ... £ 2 : 2 :  
Travelling Expenses (if any) £ 1 : 12/6

When applied for, 27<sup>th</sup> August 1912.  
When received, 9<sup>th</sup> August 1912.

G. A. Stanger

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

Committee's Minute

TUE OCT. 15. 1912

Assigned

See minute on

Hull Rpt 25524



Lloyd's Register  
W1044-220  
Foundation



REMAINDER

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