

pt. 5b.

REPORT ON BOILERS.

No. 13614.

MON. APR. 15. 1912

Receipt at London Office

Date of writing Report 9/4 1912 When handed in at Local Office 9/4 1912 Port of Lith
 No. in Survey held at Livermouth Date, First Survey 1st March Last Survey 3rd April 1912.
 Reg. Book. on the Donkey Boiler No 299 for Messrs Gode S.B. Co 150 (Teiga I) (Number of Visits 3) Tons } Gross
 } Net
 Master _____ Built at _____ By whom built _____ When built _____
 Boiler made at Livermouth By whom made G. Black & Sons When made 1912
 Owners _____ Port belonging to _____

VERTICAL DONKEY BOILER— No. one Description Vertical Manufacturers of steel Walsby Iron & Steel Co. & Colville & Co.
 Made at Livermouth By whom made G. Black & Sons When made 3/4/12 Where fixed Stokehold Working pressure 100 lb
 tested by hydraulic pressure to 200 lb Date of test 3/4/12 No. of Certificate 687 Fire grate area _____ Description of safety valves spring loaded
 No. of safety valves one Area of each 3 1/2" Pressure to which they are adjusted 100 lb 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 28-32 Descrip. of riveting long. seams Lap double Dia. of rivet holes 1 3/16" Whether punched or drilled drilled Pitch of rivets 3 1/8"
 Lap of plating 5 1/2" Per centage of strength of joint Rivets 110 Working pressure of shell by rules 125 Thickness of shell crown plates 9/16"
 Plates 76 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 single Working pressure of furnace by rules 102 Thickness of furnace crown plates 21/32" 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 & Sons Manufacturer.

Dates of Survey } During progress of work in shops - - } 1912 March 1-20 April 3.
 } During erection on board vessel - - }
 building } 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 and found satisfactory.

This donkey boiler has now been fitted on board the above vessel & its safety valves adjusted under steam an efficient steam donkey pump has been fitted

Frank L. Sturgeon.

Survey Fee £ 2 : 2 : } When applied for, 9th April 1912
 Travelling Expenses (if any) £ 2 : 0 : } When received, 11th April 1912

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

Committee's Minute
 Assigned

TUE. JUN. 25. 1912



W88-0163