

# REPORT ON BOILERS.

No. 60396

Received at London Office

30 MAY 1911

Date of writing Report 26<sup>th</sup> May 1911 When handed in at Local Office MAY 29 1911 Port of NEWCASTLE ON TYNE.

No. in Reg. Book. 85 Survey held at Gateshead Date, First Survey 10<sup>th</sup> Jan'y 1911 Last Survey 19  
(Number of Visits) Gross 4964  
Net 3172  
Master Gabe Built at Copenhagen By whom built J.S. Burmeister & Wain When built 1912  
Boilers made at Gateshead By whom made Clarke Chapman & Co No. 2961 d When made 1911  
Owners Aktieselskabet Det Østasiatiske Kompagni Port belonging to Copenhagen

VERTICAL DONKEY BOILER— No. 1 Description Boss-tube Manufacturers of steel J. Spence & Sons  
Made at Gateshead By whom made Clarke Chapman & Co When made 1911 Where fixed engineering Working pressure 80 lbs  
Tested by hydraulic pressure to 160 lbs Date of test 26/5/11 No. of Certificate 8144 Fire grate area 12 sq ft Description of safety valves spring loaded  
No. of safety valves 2 Area of each 3.98 sq ft Pressure to which they are adjusted 80 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler ✓  
Dia. of donkey boiler 5'-0" Length 11'-0" Material of shell plates steel Thickness 11/32" Range of tensile strength 28-32 Descrip. of riveting long. seams 8 Lap Dia. of rivet holes 11/16" Whether punched or drilled drilled Pitch of rivets 2 1/2"  
Gap of plating 3 3/8" Per centage of strength of joint Rivets 72.5 Plates 73.1 Working pressure of shell by rules 86 lbs Thickness of shell crown plates 1/2"  
Radius of do. 5'-0" No. of Stays to do. 4 Dia. of stays 1 5/8" Diameter of furnace Top 3'-8 1/4" Bottom 4'-2" Length of furnace 4'-6"  
Thickness of furnace plates 1/2" Description of joint 8 Lap Working pressure of furnace by rules 101 lbs Thickness of furnace crown plates 1/2" Radius of do. 5'-0" Stayed by as above Diameter of uptake 14" Thickness of uptake plates 3/8"  
Thickness of water tubes 3/8"

The foregoing is a correct description,  
For CLARKE CHAPMAN & CO LTD Manufacturers.

Dates { During progress of work in shops -- 1911 Jan. 10. 21. 24. 31. Feb. 7. May 26.  
Survey { During erection on board vessel ---  
While {  
Loading { Total No. of visits 6

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 constructed under special survey & the materials & workmanship are found to be good.

Survey Fee ... £ 2 2 0 } When applied for, Monthly  
Travelling Expenses (if any) £ : : } When received, 19

Committee's Minute TUE. FEB. 20. 1912  
Assigned not for class. Comm.

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

Lloyd's Register Foundation

009601-009609-0223



Submitted further action, in  
this case, is unnecessary  
until the boiler is fitted  
to a classed vessel.

ARR/AL  
1-8-11



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