

VERTICAL DONKEY BOILER—

Manufacturers of Steel

No.	Description	When made	Where made
Made at	By whom made	No. of Certificate	Fire grate area
Working pressure	tested by hydraulic pressure to	Date of test	Description of Safety
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted
If fitted with easing gear	If steam from main boilers can enter the donkey boiler	Dia. of donkey boiler	Length
Material of shell plates	Thickness	Range of tensile strength	Descrip. of riveting long. seams
Dia. of rivet holes	Whether punched or drilled	Pitch of rivets	Lap of plating
Working pressure of shell by rules	Thickness of shell crown plates	Radius of do.	No. of stays to do.
Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates
Working pressure of furnace by rules	Thickness of furnace crown plates	Radius of do.	Stayed by
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey

SPARE GEAR. State the articles supplied:—
 Two each bolts & nuts for top & bottom ends of main bearings. one set coupling bolts. 1 set each of valves for Air Circulating Seeds
 Bridge pumps. 1 each iron propeller 2 safety valve springs. Assorted bolts nuts & iron.

NORTH EASTERN MARINE ENGINEERING CO LTD

The foregoing is a correct description,

Manufacturer.

S. T. Harrison Secy

Dates of Survey while building	During progress of work in shops --	1912 Nov. 26	Dec. 5. 6. 16. 17. 20. 24	Jan. 9. 16. 17. 21. 22. 28. 29. 30. 31	Feb. 4. 7. 11. 13. 20. 24. 27. 28
	During erection on board vessel --	Mar. 4. 7. 10. 11. 14. 18. 19. 28	Apr. 3. 10. 17. 22. 29	May 6. Jan. 27	Jul. 4. 8. 11. 14. 17. 18. 22. 23
	Total No. of visits	(49)			Aug. 7. 20

Is the approved plan of main boiler forwarded herewith

yes

" " " donkey " " "

yes

Dates of Examination of principal parts—Cylinders	3-4-13	Slides	11-3-13	Covers	4-3-13	Pistons	4-3-13	Rods	16-1-13
Connecting rods	24-1-13	Crank shaft	19-3-13	Thrust shaft	10-4-13	Tunnel shafts	3-4-13	Screw shaft	4-4-13
Stern tube	4-4-13	Steam pipes tested	14-4-13	Engine and boiler seatings	4-4-13	Engines holding down bolts	18-4-13		
Completion of pumping arrangements	22-4-13	Boilers fixed	18-4-13	Engines tried under steam	23-4-13				
Main boiler safety valves adjusted	23-4-13	Thickness of adjusting washers	Hard Bl F 1/4" A 3/16" Port Bl F 1/4" A 1/4"						
Material of Crank shaft	Steel	Identification Mark on Do.	2314-5 M.B.	Material of Thrust shaft	Steel	Identification Mark on Do.	8520 K.H.		
Material of Tunnel shafts	Steel	Identification Marks on Do.	2804 M.B.	Material of Screw shafts	Steel	Identification Marks on Do.	2803 M.B.		
Material of Steam Pipes	Solid drawn copper 4 3/4" bore x 6 lbs.	Test pressure	100 lbs						

General Remarks (State quality of workmanship, opinions as to class, &c.)

The machinery of this vessel has been built under special survey, the materials and workmanship are of good quality and the hydraulic tests of the boilers proved satisfactory. The whole of the machinery has been securely fixed on board & tried under steam and is in good and safe working condition and eligible in my opinion to be classed and have passed **LM.C. 8-13** in the Register Book.

It is submitted that
 this vessel is eligible for
THE RECORD. + LM.C. 8. 13.

25.8.15

APR

The amount of Entry Fee	£ 3 : 0 : 0	When applied for.	23.8.15
Special	£ 35 : 2 : 0	When received.	4/9/15
Donkey Boiler Fee	£ :		
Travelling Expenses (if any)	£ :		

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

William D. Butler

Committee's Minute

TUE. AUG. 26. 1913

Assigned

L.M.C. 8. 13

WRITTEN.



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