

VERTICAL DONKEY BOILER— Manufacturers of Steel

No.	Description			
Made at	By whom made	When made	Where fixed	
Working pressure	tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted	Date of adjustment
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	Per centage of strength of joint
Working pressure of shell by rules	Thickness of shell crown plates	Radius of do.	No. of stays to do.	Dia. of stays
Diameter of furnace Top	Bottom	Length of furnace	Thickness of furnace plates	Description of joint
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:— 2 top end & 2 bottom end bolts, 2 main bearing bolts, 1 set of coupling bolts, 1 set of feed & bilge pump valves, 1 set of piston springs for each piston, a quantity of assorted bolt nuts & iron propeller shaft, feed & bilge pump plungers, top & bottom end brasses &c.

The foregoing is a correct description, **FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED.**

Manufacturer.

Dates of Survey while building: During progress of work in shops --- 1911 Sep. 1, 7, 14, 29, Oct. 2, 4, 17, 23, 25, 31, Nov. 1, 6, 7, 13, 15, 16, 17, 20, 22, 24, 27, Dec. 2, 9, 29, Jan. 5, 6, 11, 14, 19, 22, 1912 Jan. 15, 24, 26, Feb. 9, 15, 21, Mar. 8, Apr. 2, 4, 18, 19, 24, 25, 30, May 6, 8, 9, 20.

Is the approved plan of main boiler forwarded herewith Yes

Dates of Examination of principal parts—Cylinders 6/11/11 Slides 24/11/11 Covers 16/11/11 Pistons 6/11/11 Rods 2/10/11
 Connecting rods 25/10/11 Crank shaft 22/11/11 Thrust shaft 24/11/11 Tunnel shafts 5/12/11 Screw shaft 24/11/12 Propeller 26/1/12
 Stern tube 8/3/12 Steam pipes tested 19/4/12 Engine and boiler seatings 4/4/12 Engines holding down bolts 24/4/12
 Completion of pumping arrangements 20/5/12 Boilers fixed 24/4/12 Engines tried under steam 9/5/12
 Main boiler safety valves adjusted 9/5/12 Thickness of adjusting washers *std P 1 1/2" S 3/8" 1st P 1 3/2" S 7/16"*
 Material of Crank shaft *steel* Identification Mark on Do. 5/12/11 *std* Material of Thrust shaft *steel* Identification Mark on Do. 5/12/11 *std*
 Material of Tunnel shafts *steel* Identification Marks on Do. 5/12/11 *std* Material of Screw shafts *steel* Identification Marks on Do. 24/11/12 *std*
 Material of Steam Pipes *Solid drawn copper* Test pressure 360 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 used are good, and the workmanship is satisfactory, it has been properly fitted on board and secured, and the engines have been tried under full power. In my opinion this vessel is eligible to have the record of **L.M.C. 5, 12.**

The vessel is fitted with an oil fuel installation on the Wallsend improved steam system in accordance with the Rules.

It is submitted that this vessel is eligible for **THE RECORD. + L.M.C. 5, 12.**

Fitted for liquid fuel 5.12.

The amount of Entry Fee .. £ 2 : :
 Special .. £ 29.17 : :
 Donkey Boiler Fee .. £ 2 : 2 : :
 Travelling Expenses (if any) £ : : :
 When applied for JUN 1 1912
 When received, 6.6.12

Committee's Minute

TUE. JUN 4 1912

Assigned

*H.M.C. 5.12
 Fitted for liquid fuel 5.12*

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



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Certificate (if required) to be sent to NEWCASTLE ON TYNE. (The Surveyors are requested not to write on or below the space for Committee's Minute.)