





# VERTICAL DONKEY BOILER— Manufacturers of Steel

No.	None	Description				
Made at	By whom made		When made	Where fired		
Working pressure	tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area	Description of Safety	
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	Rivets Plates	
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:— One set main Bearing Bushes, 2 Eccentric Straps, Full set of Piston Rings, 2 Crank Pin Bolts, 2 Cross head Bolts, 2 main Bearing Bolts, 2 Condenser tubes, Air pump rod, slide valve spindle, 2 Eccentric Rods, 1 Tail shaft, 3 Crank shaft, 2 Propeller Blades, 1 Impeller & shaft for Centrifugal pump, 12 Coupling Bolts, 1 set Feed Pump valves & seats, 1 set Bilge pump valves & seats, 1 set Air pump valves & seats, 1 set main Check valves, 1 set Donkey pump, check valves, 1 Safety valve seat, 3 Safety valve springs, 6 Cylinder Cover studs, 6 Valve chest cover studs, 1 Holding down Bolt, 6 Furnace Ring Bolts, 1 set Crosshead Brasses, 1 Bolt Thrust & 1 Iron 9 various Lys.

The foregoing is a correct description,

*Ramm Mahony* Manufacturer.

Dates of Survey while building	During progress of work in shops --	1912 - Nov. 8, 14, 18, 27. Dec. 4, 9, 13, 18, 20, 25, 30. - 1913 Jan. 13, 16, 21, 24, 27, 30. Feb. 5, 10, 14, 18, 25.
	During erection on board vessel --	Mar. 6, 7, 8, 12, 18, 20, 25, 26. Apr. 1, 10, 14, 21, 23, 30. May. 1, 6, 8, 14, 17, 22, 23, 27, 28. June 3, 5, 24, 27, 30. July, 18, 28, 30, 31. Aug. 1, 5, 7, 8, 11, 18, 22, 25, 28, 31. Sept. 4, 5, 6, 10, 13.
	Total No. of visits	68.

Is the approved plan of main boiler forwarded herewith ☒ Yes.

Dates of Examination of principal parts—Cylinders	20/3/13	Slides	20/3/13	Covers	13/9/13	Pistons	24/6/13	Rods	24/1/13.
Connecting rods	9/13.	Crank shaft	2/13	Thrust shaft	3/6/13	Tunnel shafts	28/4/13	Screw shaft	28/4/13
Propeller	20/4/13.	Stern tube	18/4/13	Steam pipes tested	24/1/13	Engine and boiler seatings	30/7/13.	Engines holding down bolts	22/8/13.
Completion of pumping arrangements	22/8/13	Boilers fixed	6/9/13	Engines tried under steam	13/9/13.	Main boiler safety valves adjusted	6/9/13.	Thickness of adjusting washers	S.B. 1 5/8 5/8 CB. 1 1/2 5/8 P.B. 1 1/2 5/8
Material of Crank shaft	Steel	Identification Mark on Do.	2987	Material of Thrust shaft	Steel	Identification Mark on Do.	1214.	Material of Tunnel shafts	Steel
Identification Marks on Do.	1215	Material of Screw shafts	Steel	Identification Marks on Do.	1216	Material of Steam Pipes	W. Iron	Test pressure	5240 lbs v.

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

The Engines and Boilers of this vessel were built under special survey and the materials and workmanship are good. When completed the machinery was examined under steam and worked satisfactorily. It is now in good and efficient condition throughout and eligible in my opinion to have the record of L.M.C. 9.13. marked in the Society's Register Book.

It is submitted that  
this vessel is eligible for  
THE RECORD. + LMC 9.13.

F.D.

The amount of Entry Fee	£ 3 : : :	When applied for,	19.9.13.
Special	£ 47.15-	When received,	22.9.13.
Donkey Boiler Fee	£ : : :		
Travelling Expenses (if any)	£ : : :		

Committee's Minute GLASGOW 23 SEP. 1913

Assigned + L.M.C. 9.13.

F.D.



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