





VERTICAL DONKEY BOILER— Manufacturers of Steel *iron*

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	Description of Safety
Valves	No. of Safety Valves	Area of each	Pressure to which they are adjusted	Date of adjustment	
If fitted with casing 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:— 2 top end bolts & nuts, 2 bottom end bolts & nuts, 2 main bearing bolts & nuts, 1 set of coupling bolts & nuts, 1 feed & bilge pump valves, iron, bolts & nuts of various sizes, propeller shaft.

The foregoing is a correct description,  
FOR BARCLAY, CURLE & CO., LTD. Manufacturer.

Dates of Survey while building	During progress of work in shops --	During erection on board vessel --	Total No. of visits	Is the approved plan of main boiler forwarded herewith
	1916 July 19 Aug 14 Sep 4 6 13 19 22 24 Oct 2 4 Nov 6 8 13 15 16 24 Dec 6 8 19 24 Jan 9 26 31 Feb 6 23 27 Mar 14 22 May 2 14 18 June 22 July 31	18 Aug 6 14 Sep 21 Oct 2 5 15 18 25 Nov 1 21 26 28 29 29 30 Dec 4 5 18 20 26 29 1918 Jan 10 11 15 16 22 Feb 14 21 Mar 6 7 14 18 29 Apr 3 5	41	yes

Dates of Examination of principal parts—Cylinders	1/4/17	Slides	22/2/17	Covers	1/4/17	Pistons	23/2/17	Rods	23/2/17
Connecting rods	23/2/17	Crank shaft	15/1/18	Thrust shaft	15/10/17	Tunnel shafts	1/4/17	Screw shaft	27/11/17
Propeller	27/11/17	Stern tube	27/11/17	Steam pipes tested	6/3/18	Engine and boiler seatings	22/1/18	Engines holding down bolts	7/3/18
Completion of pumping arrangements	1/4/3/18	Boilers fixed	7/3/18	Engines tried under steam	29/3/18				
Main boiler safety valves adjusted	1/4/3/18	Thickness of adjusting washers	Port aft 3/8 S 3/8 St aft 3/8 S 3/8 Out 2 1/2						
Material of Crank shaft	Steel	Identification Mark on Do.	570 23214 1571/15	Material of Thrust shaft	Steel	Identification Mark on Do.	570 23214 1571/15		
Material of Tunnel shafts	Steel	Identification Marks on Do.	570 23214 1571/15	Material of Screw shafts	Steel	Identification Marks on Do.	570 23214 1571/15		
Material of Steam Pipes	Lap welded iron	Test pressure	645						

General Remarks (State quality of workmanship, opinions as to class, &c.)  
 These engines & boilers have been built under special survey, the materials and workmanship are of good description, they have been well fitted on board & tried under steam.  
 This machinery is now in our opinion eligible to have notification of L.M.C. 4.18 (in red) in the Regular Book

It is submitted that  
 this vessel is eligible for  
 THE RECORD. + L.M.C. 4.18.

The amount of Entry Fee	£ 3	When applied for,	
Special	£ 40.3	When received,	15.4.18
Donkey Boiler Fee	£		
Travelling Expenses (if any)	£		29.5.18 30.5.18
Committee's Minute	GLASGOW	16 APR 1918	
Assigned	L.M.C. 4.18.		

A. McLeod & Wm. H. Colman  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.