

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, 2 main bearing bolts & nuts, 1 set coupling bolts, 1 set valves helix & feed pumps, bolts & nuts & iron assorted

The foregoing is a correct description, **PLENTY & SON, LIMITED.**

Manufacturer. *C. J. Davies* SECRETARY.

Dates of Survey while building: During progress of work in shops -- 1912 - May 21, June 12, 19, July 15, 26, Aug. 13
 During erection on board vessel --- Sept 24th, 30th, Oct 8th, 11th, 14th, 15th, 24th, 31st, Nov. 14th, 25th, Dec 2nd, 15th
 Total No. of visits 6. Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 15.7.12 Slides 15.7.12 Covers 15.7.12 Pistons 15.7.12 Rods 15.7.12
 Connecting rods 15.7.12 Crank shaft 24.5.12 Thrust shaft 13.6.12 Tunnel shafts ✓ Screw shaft 24.5.12 Propeller 13.8.12
 Stern tube 13.8.12 Steam pipes tested 28.11.12 Engine and boiler seatings 31-10-12 Engines holding down bolts 31-10-12
 Completion of pumping arrangements 2.12.12 Boilers fixed 31-10-12 Engines tried under steam 2-12-12
 Main boiler safety valves adjusted 2-12-12 Thickness of adjusting washers P 9/8 S 3/8
 Material of Crank shaft *Steel* Identification Mark on Do. 24.5.12 TRB Material of Thrust shaft *Steel* Identification Mark on Do. 13.6.12 TRB
 Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts *Steel* Identification Marks on Do. No 74/TA
 Material of Steam Pipes *Copper* Test pressure 260 lbs

General Remarks (State quality of workmanship, opinions as to class, &c. *These Engines constructed under special survey, the material tested as required by the rules & the workmanship good.*
The above are being forwarded to Bristol & to be fitted on board.

*These Engines have now been fitted in 5/8 Ferric.
 The Boilers marked 11706
LLOYD'S 1555
260 lbs
1-8-12 H.B.F. has also been fitted*

*The Main Steam pipes has been tested by Hydraulic pressure to 260 lbs
 The Engines have been tried under steam & the Safety Valves adjusted
 In my opinion this vessel's machinery is eligible for record F.L.M.
 12-12 Machinery aft*

It is submitted that this vessel is eligible for **THE RECORD.** + LMC 12.12

J.W.D. 19/12/12
Thomas Blackie
 Engineer-Surveyor to Lloyd's Register of British & Foreign Shipping.

The amount of Entry Fee	£ 1 : 0 : 0	When applied for,
2/3rd Special	£ 2 : 13 : 47	1912
Donkey Boiler Fee	£ :	When received,
Travelling Expenses (if any)	£ 1 : 11 : 0	(Bristol) 1912

Committee's Minute **FRI. DEC. 20. 1912**
 Assigned *Home 12.12*

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

