

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	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		Stayed by		
Diameter of uptake	Thickness of uptake plates	Thickness of water tubes	Dates of survey		

SPARE GEAR. State the articles supplied:— *Two top end bolts, two bottom end bolts, two main bearing bolts, one set of coupling bolts, one set of pump valves, a quantity of iron bolts of various sizes*

FOR EARLE'S
SHIPBUILDING & ENGINEERING CO. LIMITED,
The foregoing is a correct description,
F. J. Salethorp & Co. Manufacturer.

SECRETARY:
Dates of Survey while building
 During progress of work in shops— 1912:— Jan 19. 22. 25. Apr 19. May 1. 7. 15. 21. 23. 30. 31. Jun 1. 4. 5. 6. 7. 11. 13. 14. 19. 20.
 During erection on board vessel— Jun 24. 26. 28. Jul 1. 3. 4. 10. 12. 16. 17. 18. 19. 22. 23. 24. 25.
 Total No. of visits 37

Is the approved plan of main boiler forwarded herewith *yes*
 " " " donkey " " "
 Dates of Examination of principal parts—Cylinders 1-6-12 Slides 11-6-12 Covers 11-6-12 Pistons 1-7-12 Rods 1-7-12
 Connecting rods 1-7-12 Crank shaft 4-7-12 Thrust shaft 10-7-12 Tunnel shafts ✓ Screw shaft 12-7-12 Propeller 12-7-12
 Stern tube 11-6-12 Steam pipes tested 23-7-12 Engine and boiler seatings 18-7-12 Engines holding down bolts 22-7-12
 Completion of pumping arrangements 25-7-12 Boilers fixed 24-7-12 Engines tried under steam 25-7-12
 Main boiler safety valves adjusted 25-7-12 Thickness of adjusting washers *Pro 1 1/2 tons 476*
 Material of Crank shaft *Steel* Identification Mark on Do. *2945 WDH* Material of Thrust shaft *Steel* Identification Mark on Do. *1154D EC*
 Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts *Steel* Identification Marks on Do. *1154D EC*
 Material of Steam Pipes *Copper* Test pressure *400 lbs*

General Remarks (State quality of workmanship, opinions as to class, &c.) *The Machinery of this vessel has been constructed under special survey in accordance with the approved plans & the rules of this Society, the materials & workmanship are good. The Boiler has been tested by Hydraulic pressure to 400 lbs found sound & tight. The Machinery has been properly fitted & secured on board & on completion was tried under steam & found satisfactory & in my opinion is eligible for the record + L.M.C. 7, 12. W.P. to be noted 180 lbs.*

These engines were designed for a working pressure of 180 lbs the owner desired a boiler constructed for a working pressure of 200 lbs to work at 180 lbs.

It is submitted that this vessel is eligible for THE RECORD + LMC 7, 12. 180 lbs.

The amount of Entry Fee .. £ 1 : 0 :
 Special £ 10 : 10 :
 Donkey Boiler Fee £ - : - :
 Travelling Expenses (if any) £ - : - :
 When applied for, 29.7.12
 When received, 9.8.12

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

Committee's Minute FRI. AUG. -9. 1912
 Assigned *thmc 7.12*



Certificate (if required) to be sent to Hull