





# 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 & two bottom end connecting rods, two main bearing bolts, one set of coupling bolts & nuts, one set of feed & high pump valves, one main & one donkey feed check valve, assorted bolts & nuts etc.*

The foregoing is a correct description,  
*Charles O'Sullivan* Manufacturer.

Dates of Survey: During progress of work in shops— 1907: July 9. 24. 26. 30. Aug 9. 19. 20. 28. Sep 5. 9. 13. 14. 16. 17. 21. 25. 28. Oct 1. 5. 7. 9.  
 During erection on board vessel— Oct 15. 18. 23. 25. 29. 31. Nov 5. 6. 8. 9. 14.  
 Total No. of visits 32

Is the approved plan of main boiler forwarded herewith *R/L No 14*  
 " " " donkey " " "

Dates of Examination of principal parts—Cylinders 25.10.07 Slides 31.10.07 Covers 26.10.07 Pistons 22.10.07 Rods 22.10.07  
 Connecting rods 23.10.07 Crank shaft 18.10.07 Thrust shaft 15.10.07 Tunnel shafts ✓ Screw shaft 30.7.07 Propeller 30.7.07  
 Stern tube 24.7.07 Steam pipes tested 8.11.07 Engine and boiler seatings 19.8.07 Engines holding down bolts 6.11.07  
 Completion of pumping arrangements 14.11.07 Boilers fixed 6.11.07 Engines tried under steam 9.11.07  
 Main boiler safety valves adjusted 9.11.07 Thickness of adjusting washers *F 4 A 4*  
 Material of Crank shaft *Iron* Identification Mark on Do. 356 5.11.07 Material of Thrust shaft *Iron* Identification Mark on Do. 356 31.10.07  
 Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts *Iron* Identification Marks on Do. 356 30.7.07  
 Material of Steam Pipes *Solid drawn copper* Test pressure 360 lbs ✓

General Remarks (State quality of workmanship, opinions as to class, &c.) *The machinery & boiler of this vessel have been constructed under Special Survey, are of good material & workmanship, & have been fitted & secured in accordance with the Rules. They are now in good working condition, & eligible in my opinion to have the Notation L.M.C. 11.07 in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD. L.M.C. 11.07.

*Mc 21.11.07*

*21.11.07*

The amount of Entry Fee... £ 1 : : : When applied for, 20/11/07  
 Special... £ 8 : 11 : : :  
 Donkey Boiler Fee... £ : : : :  
 Travelling Expenses (if any) £ : 4 : : : When received, 29/11/07

*John W. Gwynne*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

FRI. 22 NOV 1907

Assigned

*+ L.M.C. 11.07*

MACHINED & TYPED  
 WRITTEN