

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 _____ 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:— *Two top & two bottom end connecting rods bolts nuts two main bearing bolts nuts, one set of coupling bolts nuts, one set of feed & big pump valves, one main & one donkey feed check valve assorted bolts & nuts.*

The foregoing is a correct description, **FOR AMOS & SMITH LTD.**
 Manufacturer. *W. G. Hyde*

Dates of Survey while building: During progress of work in shops -- 1910: - Sep 21. 23 Oct 8. 22. 27. 31 Nov 2. 5. 9. 10. Dec 15. 17. 19. 22. 24. 26. 29 Dec 28. 13
 During erection on board vessel --- Dec 16. 20. 22. 30. 1911: - Jan 5. 10. 12. 17. 21. 23. 25. 27 Feb 2. 4. 6. 7. 8. 9. 14. 15. 17. 20. 24 Mar 2. 4. 7.
 Total No. of visits *57* Is the approved plan of main boiler forwarded herewith *yes*

Dates of Examination of principal parts—Cylinders *15.2.11* Slides *2.3.11* Covers *15.2.11* Pistons *15.2.11* Rods *20.2.11*
 Connecting rods *20.2.11* Crank shaft *15.2.11* Thrust shaft *20.2.11* Tunnel shafts _____ Screw shaft *6.2.11* Propeller *6.2.11*
 Stern tube *6.2.11* Steam pipes tested *11.3.11* Engine and boiler seatings *14.2.11* Engines holding down bolts *13.3.11*
 Completion of pumping arrangements *18.3.11* Boilers fixed *13.3.11* Engines tried under steam *14.3.11*
 Main boiler safety valves adjusted *14.3.11* Thickness of adjusting washers *A 7/8 F 7/8*
 Material of Crank shaft *Steel* Identification Mark on Do. *687.15.2.11* Material of Thrust shaft *Steel* Identification Mark on Do. *20.2.11*
 Material of Tunnel shafts _____ Identification Marks on Do. _____ Material of Screw shafts *Iron* Identification Marks on Do. *687.6.2.11*
 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 on board in accordance with the Rules. They are now in good working condition & eligible in my opinion to have record of L.M.C 3-11 in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD + L.M.C 3.11
J.W.G. 31/3/11

The amount of Entry Fee .. £ 1 : 00
 Special .. £ 10 : 7 : 4
 Donkey Boiler Fee .. £ : :
 Travelling Expenses (if any) £ - : 10 : 10
 When applied for, 29.3.11
 When received, 31.3.11

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

Committee's Minute
 Assigned
 TUE 4 APR 1911
 + L.M.C 3.11

Certificate (if required) to be sent to Hull