



**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 with nuts, two main bearing bolts with nuts, one set of coupling bolts with nuts, one set of feed & bilge pump valves, one main & one donkey feed check valve, one set of air & circulating pump valves, assorted bolts with nuts.*

The foregoing is a correct description, **FOR AMOS & SMITH LTD.**

Manufacturer. *W. Wilson*

Managing Director. *J. W. Gwynne*

Dates of Survey while building: During progress of work in shops -- Mar. 17, May 8, 11, 19, 31, Jun. 13, 16, 21, 24, 27, 28, July 3, 7, 14, 15, 18, 21, 24, 27. 12. 14, 19, 20, 22, 26, 27, Oct 3

During erection on board vessel -- Aug. 3, 4, 8, 12, 14, 17, 30, Sept. 5, 6, 8.

Total No. of visits *37*

Is the approved plan of main boiler forwarded herewith *Yes*

" " " donkey " " " *Yes*

Dates of Examination of principal parts—Cylinders *17. 8. 11* Slides *5. 9. 11* Covers *17. 8. 11* Pistons *5. 9. 11* Rods *28. 8. 11*

Connecting rods *28. 8. 11* Crank shaft *12. 9. 11* Thrust shaft *12. 9. 11* Tunnel shafts *✓* Screw shaft *24. 6. 11* Propeller *24. 6. 11*

Stern tube *24. 6. 11* Steam pipes tested *23. 9. 11* Engine and boiler seatings *8. 9. 11* Engines holding down bolts *22. 9. 11*

Completion of pumping arrangements *4. 10. 11* Boilers fixed *22. 9. 11* Engines tried under steam *27. 9. 11*

Main boiler safety valves adjusted *27. 9. 11* Thickness of adjusting washers *S 5/16 P 1/2*

Material of Crank shaft *Steel* Identification Mark on Do. *805 12. 9. 11 J.W.G.* Material of Thrust shaft *Steel* Identification Mark on Do. *805 12. 9. 11 J.W.G.*

Material of Tunnel shafts *✓* Identification Marks on Do. *J.W.G.* Material of Screw shafts *Steel* Identification Marks on Do. *805 12. 9. 11 J.W.G.*

Material of Steam Pipes *Solid drawn copper* Test pressure *400 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 & are respectfully submitted as being eligible in my opinion to have record of L.M.C. 10-11 in the Register Book.*

*It is submitted that this vessel is eligible for THE RECORD, + L.M.C. 10. 11.*

*J.W.G.*  
*18/10/11*

The amount of Entry Fee .. £ 1 : 0 : 0 When applied for, \_\_\_\_\_

Special .. £ 9 : 3 : 0 11-10-1911

Donkey Boiler Fee .. £ : : : When received, \_\_\_\_\_

Travelling Expenses (if any) £ : 4 : 0 31. 10. 11

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

Committee's Minute *FRI OCT 20 1911*

Assigned *+ L.M.C. 10. 11*



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WRITTEN BY \_\_\_\_\_  
Surveyor's Signature *W. Wilson*

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