



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 rod bolts & nuts. Two main bearing bolts & nuts. One set of coupling bolts & nuts. One set of feed & bilge pump valves. Main & donkey feed check valves. Assorted bolts & nuts &c.*

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

Dates of Survey while building { During progress of work in shops - } 1906.- Dec 4. 1907.- Jan 1. 2. 7. 9. 10. 18. 25. MANAGING PARTNER *Geo. J.P.* Feb 4. 8. 14. 15. 18. Mar 5. 13. 15.  
 { During erection on board vessel - } Mar 22. Apr 5. 6. 10. 25. May 3. 8. 18. 21. 24. 25. 28. 31.  
 Total No. of visits *29* Is the approved plan of main boiler forwarded ~~herewith~~ with *R/L No. 18936*

Dates of Examination of principal parts—Cylinders *2. 1. 07* Slides *8. 5. 07* Covers *8. 5. 07* Pistons *22. 3. 07* Rods *13. 3. 07*  
 Connecting rods *25. 1. 07* Crank shaft *25. 4. 07* Thrust shaft *25. 4. 07* Tunnel shafts ✓ Screw shaft *7. 2. 07* Propeller *7. 2. 07*  
 Stern tube *7. 2. 07* Steam pipes tested *25. 5. 07* Engine and boiler seatings *15. 2. 07* Engines holding down bolts *18. 5. 07*  
 Completion of pumping arrangements *28. 5. 07* Boilers fixed *24. 5. 07* Engines tried under steam *28. 5. 07*  
 Main boiler safety valves adjusted *28. 5. 07* Thickness of adjusting washers *P 3/8" S 11/32"*  
 Material of Crank shaft *Steel* Identification Mark on Do. *339 J.K. 25. 4. 07* Material of Thrust shaft *Steel* Identification Mark on Do. *339 J.K. 25. 4. 07*  
 Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts *Iron* Identification Marks on Do. *339 J.K. 7. 2. 07*  
 Material of Steam Pipes *Solid drawn copper* Test pressure *360 lbs.*

General Remarks (State quality of workmanship, opinions as to class, &c.)  
*The Engines and Boiler of this vessel have been constructed under Special Survey, are of good material and workmanship, and have been fitted and secured on board in accordance with the Rules. They are now in good working condition and in my opinion eligible to have the notation of +LMC 5, 07 in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD *+LMC 5, 07*  
*J.C. 6/6/07*  
*J.S. 6.6.07*  
*J. Kerr*  
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

The amount of Entry Fee..	£ 1	:-	:-	When applied for.
Special .. .. .	£ 10	10	:-	<i>4/6/07</i>
Donkey Boiler Fee .. .. .	£ -	:-	:-	When received.
Travelling Expenses (if any) £	-	12	3	<i>29.6.07</i>

Committee's Minute *FRI. 7 JUN 1907*  
 Assigned *Thmes 5.07*

MACHINERY CERTIFICATE WRITTEN.



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