

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 casing 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 & helix pump valves, one main one donkey feed check valve, one set of air pump valves, one propeller, assorted bolts outside.*

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

Manufacturer. *W. S. Hill*

Managing Director.

Dates of Survey while building: During progress of work in shops --- *1911: Sep. 26, Nov. 14, 14, 16, 21, Dec. 1, 4, 6, 1912: Jan. 2, 3, 5, 8, 13, 17, 22, 24, 26, Feb. 1, 6, 7, 13, 22, 23, 27, Mar. 2, 4, 5, 7, 8, 12, 13, 18*

During erection on board vessel --- *37*

Total No. of visits *37*

Is the approved plan of main boiler forwarded herewith *yes* ✓

Is the approved plan of main boiler forwarded herewith *donkey* ✓

Dates of Examination of principal parts—Cylinders *1.2.12* Slides *13.2.12* Covers *1.2.12* Pistons *7.2.12* Rods *7.2.12*

Connecting rods *7.2.12* Crank shaft *7.2.12* Thrust shaft *7.2.12* Tunnel shafts ✓ Screw shaft *14.12.11* Propeller *14.12.11*

Stern tube *14.12.11* Steam pipes tested *7.3.12* Engine and boiler seatings *2.3.12* Engines holding down bolts *2.3.12*

Completion of pumping arrangements *18.3.12* Boilers fixed *8.3.12* Engines tried under steam *12.3.12*

Main boiler safety valves adjusted *12.3.12* Thickness of adjusting washers *P 5/8 S 3/8*

Material of Crank shaft *Steel* Identification Mark on Do. *837.7.2.12* Material of Thrust shaft *Steel* Identification Mark on Do. *837.7.2.12*

Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts *Iron* Identification Marks on Do. *837.14.12.11*

Material of Steam Pipes *Solid drawn copper* ✓ Test pressure *360lb.* ✓

General Remarks (State quality of workmanship, opinions as to class, &c. *The machinery & boiler of this vessel has been constructed under Special Survey, as of good material & workmanship, have been fitted & secured in accordance with the Rules. They are now in good working condition & respectfully submitted as being eligible in my opinion to have record of L.M.C. 3-12 in the Register Book*

It is submitted that this vessel is eligible for THE RECORD. + LMC 3.12.

J.W.D. J.P.A.
1/4/12

The amount of Entry Fee £ 1 : 0 : 0 When applied for: *25/3/1912*

Special £ 13 : 10 : 0

Donkey Boiler Fee £ : : When received: *30/3/1912*

Travelling Expenses (if any) £ : 0 : 2

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

Committee's Minute TUE. APR. 2 - 1912

Assigned + LMC 3.12

MASTERY CERTIFICATE WRITER



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Lloyd's Register Foundation

Certificate (if registered) to be sent to _____