

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
 Working pressure of shell by rules _____ Thickness of shell crown plates _____ Radius of do. _____ No. of stays to do. _____ Dia. of stays _____ Plates
 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:— *For each top & bottom and connecting rod bolts & nuts, two main bearing bolts & nuts, one set of coupling bolts & nuts, one set each fuel & bilge pump valves, iron of various sizes, a quantity of assorted bolts, nuts etc.*

The foregoing is a correct description,
 p. pro CHARLES D. HOLMES & CO. LTD. Manufacturer.

Arthur Holmes DIRECTOR. 1912:— Nov 13. Dec 24. 1913. Jan 7. 8. 9. 10. 17. 30. Feb. 4. 5. 6. 12. 17. 19.
 Dates of Survey while building { During progress of work in shops -- }
 { During erection on board vessel -- } Feb 26. 28. Mar 12. 13. 17. 19. 25.
 Total No. of visits 21

Is the approved plan of main boiler forwarded herewith *Ref 25993*
S/S Venator

Dates of Examination of principal parts—Cylinders 30.1.13 Slides 28.2.13 Covers 28.2.13 Pistons 26.2.13 Rods 17.2.13
 Connecting rods 26.2.13 Crank shaft 12.2.13 Thrust shaft 26.2.13 Tunnel shafts _____ Screw shaft 7.1.13 Propeller 7.1.13
 Stern tube 7.1.13 Steam pipes tested 12.3.13 Engine and boiler seatings 9.1.13 Engines holding down bolts 12.3.13
 Completion of pumping arrangements 19.3.13 Boilers fixed 14.3.13 Engines tried under steam 17.3.13
 Main boiler safety valves adjusted 17.3.13 Thickness of adjusting washers *Forward 3 of 1/16"*
 Material of Crank shaft *Iron* Identification Mark on Do. *N° 9907.67* Material of Thrust shaft *Steel* Identification Mark on Do. *N° 9907.67*
 Material of Tunnel shafts *✓* Identification Marks on Do. *✓* Material of Screw shafts *Iron* Identification Marks on Do. *N° 9907.67*
 Material of Steam Pipes *Solid drawn copper ✓* Test pressure *400 lbs per sq inch hydraulic.*

General Remarks (State quality of workmanship, opinions as to class, &c. *The engines & boiler of this vessel have been constructed under special survey in accordance with the Rules. The materials & workmanship are sound & good. The boiler tested by hydraulic pressure & with the engines secured on board & tested under steam they are now in good order & safe working condition & respectfully submitted as being eligible in my opinion to be classed with the notation of 1.1.4.6. 3.13 in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD, + LMC 3.13.

The amount of Entry Fee .. £ 1 : 0 :
 Special .. £ 11 : 14 :
 Donkey Boiler Fee .. £ : :
 Travelling Expenses (if any) £ : 4/11 :
 When applied for, 28.3.13
 When received, 31.3.13

J.W. 4/4/13
H. D. ...
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute TUE APR 8—1913

Assigned *Thurs 3.13* MACHINERY CERTIFICATE WRITTEN