

VERTICAL DONKEY BOILER—

Manufacturers of Steel

No. _____ Description None

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:— 2 top end bolts & nuts 2 bottom end bolts & nuts
2 main bearing bolts & nuts 6 coupling bolts & nuts set of feed and belg
Pump valves nuts & bolts quarter iron and other spares

The foregoing is a correct description,

David Rowan & Co. Ltd. Manufacturer.

Dates of Survey while building { During progress of work in shops -- 1914 Feb 13. Mar 19. 20. 27. Apr 4. 17. 18. May 28. June 5. 6. Sept 2. 11. 17. 20. Oct 4. 7. 8. 22. 28. Nov 4.
During erection on board vessel -- Dec 11. 19. 1919 Jan 8. 22. Feb 6. 11. 28. Mar 4. 11. 24. Apr 21. 18. 9. 16. 22. 24. May 19. 11. 29. June 5. 19. 27. 30. July 3.
Total No. of visits 115

Is the approved plan of main boiler forwarded herewith 20

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 2. 9. 18 Slides 2. 9. 18 Covers 4. 10. 18 Pistons 11. 3. 19 Rods 11. 3. 19
Connecting rods 11. 3. 19 Crank shaft 28. 2. 19 Thrust shaft 24. 3. 19 Tunnel shafts 24. 3. 19 Screw shaft 8. 4. 19 Propeller 8. 4. 19
Stern tube 8. 4. 19 Steam pipes tested 9. 5. 19 20. 6. 19 Engine and boiler seatings 29. 5. 19 Engines holding down bolts 5. 6. 19
Completion of pumping arrangements 30. 6. 19 Boilers fixed 5. 6. 19 Engines tried under steam 3. 7. 19
Main boiler safety valves adjusted 30. 6. 19 Thickness of adjusting washers SV 3/8 P 5/16 SV 7/16 PV 3/8 SV 7/16 PV 1/4
Material of Crank shaft Steel Identification Mark on Do. 28. 2. 19 TM Material of Thrust shaft Steel Identification Mark on Do. 24. 3. 19 TM
Material of Tunnel shafts Iron Identification Marks on Do. 24. 3. 19 TM Material of Screw shafts Iron Identification Marks on Do. 8. 4. 19 TM
Material of Steam Pipes Iron Test pressure 540 lb

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Machinery of this Vessel has been constructed under Special Survey in accordance with the Rules and approved Plans and has been seen working under Steam Satisfactorily, Materials and workmanship are good

The Machinery is eligible in our opinion to be
Classed + LMC 7. 19

It is submitted that
this vessel is eligible for
THE RECORD. + LMC. 7. 19 FID.

Ret.

9. 7. 19.

JUR.

JTM

The amount of Entry Fee .. £ 3 : : When applied for, 8. 7. 19
Special Charge .. £ 41. 13. 0 : :
Donkey Boiler Fee .. £ 12 : :
Travelling Expenses (if any) £ 3 : 0 : : When received, 10. 7. 19

Committee's Minute GLASGOW - 8 JUL 1919

Assigned + L.M.C. 7. 19

FD.

MACHINERY CERTIFICATE
WRITTEN 9. 7. 19

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Foundation