

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:— *2 top end & 2 bottom end bolts, 2 main bearing bolts, 1 set of coupling bolts, 1 set of feed & bilge pump valves a quantity of bolts & nuts also iron of various sizes 1/2 crank shaft & spare propeller and minor parts.*

The foregoing is a correct description,

FOR THE WALLSEND SLIPWAY & ENGINEERING CO. LIMITED,
Arthur King
DIRECTOR

1911

Dates of Survey while building: During progress of work in shops - - } May 25, Jun 9, 14, 26, 28, Jul 5, 10, 17, 21, 26, 31, Aug 1, 4, 9, 17, 29, Sep 4, 14, 19, 20, 21, 27.

During erection on board vessel - - } Oct 2, 13, 18, 31, Nov 2

Total No. of visits _____ 27

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

" " " donkey " " " *Yes*

Dates of Examination of principal parts—Cylinders *29/8 & 14/9/11* Slides *26/7/11* Covers *9/8 & 20/9/11* Pistons *29/8/11* Rods *29/9/11*

Connecting rods *9/8 & 29/9/11* Crank shaft *21/7 & 29/8/11* Thrust shaft *4/9/11* Tunnel shafts *4/9/11* Screw shaft *4/9/11* Propeller *4/9/11*

Shafts *21 & 26/7/11* Steam pipes tested *23/8/11* Engine and boiler seatings *23/9/11* Engines holding down bolts *18/10/11*

Completion of pumping arrangements *31/10/11* Boilers fixed *18/10/11* Engines tried under steam *31/10/11*

Donkey boiler safety valves adjusted *31/10/11* Thickness of adjusting washers *port 1 1/2" 5 3/8" 2 1/2" 2 3/8" 5 3/8"*

Material of Crank shaft *Steel* Identification Mark on Do. *29/8/11* Material of Thrust shaft *Steel* Identification Mark on Do. *4/9/11* etc.

Material of Tunnel shafts *Steel* Identification Marks on Do. *4/9/11* etc. Material of Screw shafts *Steel* Identification Marks on Do. *4/9/11* etc.

Material of Steam Pipes *Lap welded iron* Test pressure *540 lbs.*

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

The engines and boilers of this vessel have been built under special survey, the materials used are good, and the workmanship is satisfactory, they have been properly fitted onboard and secured, and afterwards tried under steam.

In my opinion the machinery is eligible to have the record of L.M.C. II. II in the Register Book.

It is submitted that this vessel is eligible for THE RECORD + L.M.C. II. II.

JWD
18/11/11

The amount of Entry Fee .. £ 3 : : When applied for, **NOV 10 1911**

Special .. £ 36 : 11 : : .. 19..

Donkey Boiler Fee .. £ : : : When received, **NOV 13 1911**

Travelling Expenses (if any) £ : : : .. 19..

Committee's Minute

Assigned

TUE. NOV. 21. 1911

+ L.M.C. II. II

Charles Cooper
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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