

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 Sa _____

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 end bolts and nuts, two bottom end bolts & nuts, two main bearing bolts & nuts, spare coupling bolts & nuts, spare feed & Bilge pump Valves, more iron bolts & nuts*

The foregoing is a correct description,

Manufacturer.

THE SHIELDS ENGINEERING & DRILLING CO., LIMITED.

W. Richardson

H. P.

Dates of Survey while building { During progress of work in shops - - } *1908 July 21 Aug. 21.21 Sep. 4.9.22.23.24 Oct. 7.9.23.14.15.28 Nov. 4.*
 { During erection on board vessel - - }
 Total No. of visits *15*

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

Dates of Examination of principal parts—Cylinders *14.8.08* Slides *21.8.08* Covers *14.8.08* Pistons *4.9.08* Rods *4.9.08*
 Connecting rods *9.9.08* Crank shaft *9.9.08* Thrust shaft *9.9.08* Tunnel shafts *✓* Screw shaft *28.7.08* Propeller *28.7.08*
 Stern tube *13.8.08* Steam pipes tested *14.10.08* Engine and boiler seatings *22.9.08* Engines holding down bolts *9.10.08*
 Completion of pumping arrangements *28.10.08* Boilers fixed *9.10.08* Engines tried under steam *28.10.08*
 Main boiler safety valves adjusted *28.10.08* Thickness of adjusting washers *7/8 & 1/8*
 Material of Crank shaft *Steel* Identification Mark on Do. *2114ATC* Material of Thrust shaft *Steel* Identification Mark on Do. *2114AT*
 Material of Tunnel shafts *✓* Identification Marks on Do. *✓* Material of Screw shafts *Steel* Identification Marks on Do. *2114AT*
 Material of Steam Pipes *Copper* Test pressure *360 lb at Billingham works*

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

The machinery built under Special Survey the material and workmanship fine good and efficient
The machinery fitted up on board tested under steam and found satisfactory
Sum opinion the vessel is eligible for the notification of L.M.C. 11.08. to be made

It is submitted that
 this vessel is eligible for
 THE RECORD. + L.M.C. 11.08

H.E.D. 14/11/08.

W.R.R. 14.11.08

The amount of Entry Fee £ *1 : 0 :* When applied for, *1.3. NOV. 1908*
 Special £ *12 : 15 :*
 Donkey Boiler Fee £ *:* When received, *21.11.08*
 Travelling Expenses (if any) £ *:*

Leonard G. Shallcross

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

Committee's Minute

TUES. 17 NOV. 1908

Assigned

+ L.M.C. 11.08.

MACHINERY CERTIFICATE
 WRITTEN.



© 2020

Lloyd's Register
 Foundation