

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 _____ 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:— propeller shaft. prop. boss. 3 prop. blades (right) 3 prop. blades left. Main bearing bush complete. 2 air pump buckets with rods, valves & seats. Complete. Set of spare valves for each feed & bilge pump. Coupling bolts & nuts. 1/2 total no. of rotor blades, boiler condenser tubes, nut bolts, fine bars, &c.

The foregoing is a correct description,
FOR THE WALES & SWANSEA STEEL & ENGINEERING CO., LIMITED.
W. J. J. J. Manufacturer.

Dates of Survey while building _____

During progress of work in shops - - - *Please see last sheet*

During erection on board vessel - - - _____

Total No. of visits *146.*

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

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods

Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller

Stern tube Steam pipes tested *See list.* Engine and boiler seatings *Sep 9 Oct 1906* Engines holding down bolts *Oct 1906.*

Completion of pumping arrangements *Sep 4 1906.* Boilers fixed *1906 & 1904.* Engines tried under steam *Sep 7 & Oct 1906.*

Main boiler safety valves adjusted *Aug 4 1904.* Thickness of adjusting washers *See list.*

Material of Crank shaft *S.* Identification Mark on Do. *J.T.T.R.* Material of Thrust shaft *S.* Identification Mark on Do. *B.J.T.F.*

Material of Tunnel shafts *S.* Identification Marks on Do. *B.J.T.F.* Material of Screw shafts *S.* Identification Marks on Do. *B.J.T.F.*

Material of Steam Pipes *W. Iron.* Test pressure *585 lbs.*

General Remarks (State quality of workmanship, opinions as to class, &c. *built under special survey.*)
in accordance with approved plans. Materials & workmanship good. Machinery and boilers examined under steam & found satisfactory. In our opinion this vessel is eligible for the record in the Register Book of L.M.C 10/04.

(2.) HP drums 8 feet dia. Casings 8' 5 1/2 to 10' 0 3/4
 (2.) LP " " 11' 8" dia. Casings 13' 0 1/2 to 15' 4"
 2 Astern " " 8' 8" dia. Casings 9' 0 1/2 to 10' 0"
 all the casings have been tested by hydraulic pressure & found sound.

It is submitted that
 this vessel is eligible for
THE RECORD. + L.M.C 10.07

Elec Light. F.D
4 Steam Turbines 195 lbs. H.P.R.R 8/11/07

The amount of Entry Fee... £ _____ When applied for, _____

Special ... £ _____ When received, _____

Donkey Boiler Fee ... £ _____

Travelling Expenses (if any) £ _____

J. G. Lindley
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute
 Assigned *+ L.M.C. 10.07*
Elec. Light. F.D

FRI. 8 NOV 1907

LR-FAF-5A25-230

Newcastle-on-Tyne.

Certificate (if required) to be sent to the Secretary for Committee's Minute.