

VERTICAL DONKEY BOILER—Manufacturers of Steel

No.	Description	By whom made	When made	Where fixed
Made at	tested by hydraulic pressure to	Date of test	No. of Certificate	Fire grate area
Working pressure	No. of Safety Valves	Pressure to which they are adjusted	Date of adjustment	Description of Safety
Valves	No. of Safety Valves	Pressure to which they are adjusted	Date of adjustment	Description of Safety
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
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:— Two connecting rod bolts (top end) Two connecting rod bolts (bottom end) Two main bearing bolts, one set of coupling bolts, one set of feed valve pump valves, a quantity of assorted bolts nuts & washers of various sizes

SHIPBUILDING & ENGINEERING CO. LIMITED.

The foregoing is a correct description,

J. J. Salethorpe

SECRETARY, Manufacturer.

Dates of Survey while building
 During progress of work in shops -- 1911 Jan 18 Feb 13.8.15 Mar 6.8.13.22.23 Apr 5.7.13.21 May 16.25.31 Jun 8.12.19.26.28
 During erection on board vessel -- July 3.7.11.14.22 Aug 14.16.23.28 Sep 6.12.15.20 Oct 3.9. Nov 6.7.20.22.29 Dec 6.21.28.29
 Total No. of visits 56

Is the approved plan of main boiler forwarded herewith With H/L 24311

Dates of Examination of principal parts—Cylinders 12-9-11 Slides 12-9-11 Covers 20-9-11 Pistons 6-9-11 Rods 20-9-11
 Connecting rods 20-9-11 Crank shaft 9-10-11 Thrust shaft 5-3-12 Tunnel shafts 5-3-12 Screw shaft 5-3-12 Propeller 5-3-12
 Stern tube 5-3-12 Steam pipes tested 29-12-11 7/33-12 Engine and boiler seatings 6-3-12 Engines holding down bolts 16-3-12
 Completion of pumping arrangements 18-3-12 Boilers fixed 16-3-12 Engines tried under steam 22-3-12
 Main boiler safety valves adjusted 22-3-12 Thickness of adjusting washers 10/32 Lt 3/4"
 Material of Crank shaft Steel Identification Mark on Do. 2734 W.D.H. Material of Thrust shaft Steel Identification Mark on Do. 2932 W.D.H.
 Material of Tunnel shafts Steel Identification Marks on Do. 2932 W.D.H. Material of Screw shafts Steel Identification Marks on Do. 2932 W.D.H.
 Material of Steam Pipes Copper Test pressure 360 lbs.

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 of this Society, the materials & workmanship are good. The Boiler was tested by hydraulic pressure to 360 lbs & found sound & tight. The Machinery has been properly fitted on board & on completion was tried under steam & found satisfactory & in our opinion is eligible for the record + L.M.C. 3-12.

The Vessel has left for Dundee where the Electric Light Installation is to be completed. Surveyors at that port advised.

It is submitted that this vessel is eligible for THE RECORD + L.M.C. 3.12.

J.W.D. 9/4/12

The amount of Entry Fee .. £ 2 : 0 :
 Special .. £ 15 : 12 :
 Donkey Boiler Fee .. £ .. :
 Travelling Expenses (if any) £ .. :
 When applied for, 4.4-12
 Paid 9/4/12

Frank L. Sturgeon & James Barclay
 Engineer Surveyors to Lloyd's Register of British & Foreign Shipping

Committee's Minute

WED. APR 10 1912

Assigned

+ L.M.C. 3.12

MACHINERY CERTIFICATE
 DATED 9.4.12



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