



VERTICAL DONKEY BOILER— Manufacturers of Steel

No. \_\_\_\_\_ Description \_\_\_\_\_  
 Made of \_\_\_\_\_ 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 \_\_\_\_\_ Lay 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, two bottom end connecting end bolts, two main bearing bolts, one set of coupling bolts & nuts, one set of feed & fly pump valves, one set of air & circulating pump valves, one main & one donkey feed check valve, assorted bolts & nuts etc.*

The foregoing is a correct description,

FOR AMOS & SMITH

Manufacturer.

Dates of Survey while building  
 During progress of work in shops— 1908:— April 16, 22, 28. May 2, 6, 9, 16, 19, 23, 26, 30. June 2, 6. **HANNING PARTNER.**  
 During erection on board vessel— June 19, 27. July 2, 4, 11, 13, 18, 21, 24, 27, 30. Aug 1, 7, 12, 20, 22, 29, 31.  
 Total No. of visits 37.

In the approved plan of main boiler forwarded herewith *Plan No 20,331*

Dates of Examination of principal parts—Cylinders 20.8.08. Slides 21.8.08. Covers 30.7.08. Pistons 21.8.08. Rods 28.4.08  
 Connecting rods 13.7.08. Crank shaft 2.7.08. Thrust shaft 6.6.08. Tunnel shafts \_\_\_\_\_ Screw shaft 27.6.08. Propeller 11.7.08  
 Stern tube 11.7.08. Steam pipes tested 9.9.08. Engine and boiler seatings 27.7.08. Engines holding down bolts 11.9.08  
 Completion of pumping arrangements 21.9.08. Boilers fixed 11.9.08. Engines tried under steam 14.9.08  
 Main boiler safety valves adjusted 14.9.08. Thickness of adjusting washers *7 3/8*  
 Material of Crank shaft *Steel* Identification Mark on Do. *440* Material of Thrust shaft *Steel* Identification Mark on Do. *440*  
 Material of Tunnel shafts \_\_\_\_\_ Identification Marks on Do. \_\_\_\_\_ Material of Screw shafts *Iron* Identification Marks on Do. *440*  
 Material of Steam Pipes *Solid drawn copper* Test pressure *400 lbs.*

General Remarks (State quality of workmanship, opinions as to class, &c. *The machinery & boiler of this vessel have been examined under Special Survey, are of good material & workmanship & have been found to conform in accordance with the Rules. They are now in good working condition & eligible in my opinion to have record of T.L.M.C. 9.08 in the Register Book.*

It is submitted that this vessel is eligible for THE RECORD. *T.L.M.C. 9.08.*

*J.R.K.*  
1-10-08

The amount of Entry Fee .. £ 1 : 0 : 0  
 Special .. £ 2 : 0 : 0  
 Donkey Boiler Fee .. £ - : - : -  
 Travelling Expenses (if any) £ - : - : -  
 When applied for, 30/9/1908  
 When received, 30/9/1908

*John. W. Gwynne*  
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute **FRI. 2 OCT 1908**

Assigned *+ L.M.C. 9.08*

MACHINERY CERTIFICATE WRITTEN



Steel

Certificate (if required) to be sent to

(The Surveyors are requested not to write on or below the space for Committee's Minute.)