

DONKEY BOILER— No. 1 Description *Blake's patent*
 Made at *Middleton* By whom made *Richardson Westgarth* When made *1904* Where fixed *Stockhold*
 Working pressure *80* tested by hydraulic pressure to *160* No. of Certificate *3151* Fire grate area *17.4* Description of safety valves *Spring*
 No. of safety valves *2*. Area of each *4.9* Pressure to which they are adjusted *85* If fitted with casing gear *yes* If steam from main boilers can enter the donkey boiler *no*. Dia. of donkey boiler *6' 6"* Length *13' 6"* Material of shell plates *8* Thickness *2 1/16"* Range of tensile strength *27-32* Descrip. of riveting long. seams *DR lap* Dia. of rivet holes *3/16* Whether punched or drilled *0* Pitch of rivets *2 1/8"*
 Lap of plating *4 1/4"* Per centage of strength of joint Rivets *46* Thickness of shell crown plates *7/16* Radius of do. *3' 3"* No. of Stays to do. *—*
 Dia. of stays. *—* Diameter of furnace Top *3' 3"* Bottom *5' 2 1/8"* Length of furnace *4' 1"* Thickness of furnace plates *1 1/2"* Description of joint *DR lap* Thickness of furnace crown plates *1 7/32* Stayed by *disk 3' 9" Rad.* Working pressure of shell by rules *85*
 Working pressure of furnace by rules *88 1/2* Diameter of uptake *2 1/2* Thickness of uptake plates *5 3/8* Thickness of water tubes *3 5/8*

SPARE GEAR. State the articles supplied:— *2 Connecting rod top end bolts & nuts*
2 bottom end bolts & nuts. 2 main bearing bolts & nuts
1 set coupling bolts. 1 set feed and bilge pump valves.

The foregoing is a correct description,
 THE NORTH EASTERN MARINE ENGINEERING CO. LTD. Manufacturer.
J. G. Stevenson

Dates { During progress of work in shops— *1903 Dec 16. 1904 Jan. 11, 27. Feb. 2, 8, 11, 15, 19, 25. Mar. 2, 12, 18, 31. Apr. 11, 19, 25. May 5, 7, 16.*
 of Survey { During erection on board vessel—
 while building { Total No. of *19*

Is the approved plan of main boiler forwarded herewith *yes*.
 " " " donkey " " *no*

General Remarks (State quality of workmanship, opinions as to class, &c.)
Machinery and boilers constructed under special survey. Materials & workmanship good. In my opinion this vessel is eligible for the record of L.M.C 5/04 in the Register Book.

It is submitted that
 this vessel is eligible for
 THE RECORD
 L.M.C. 5.04
ms
26.5.04
26.5.04

Newcastle-on-Tyne.

Amount of Entry Fee. £ *2* : : :
 Special £ *18* : *12* : :
 Boiler Fee £ : : :
 Expenses (if any) £ : : :
 When applied for, *25 MAY 1904*
 When received, *27.5.04*

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

Con. Minute
 Assign.
 FRI. 27 MAY 1904
+ L.M.C. 5.04

MACHINERY CERTIFICATE
 WRITTEN.

