

DONKEY BOILER— Description *Vertical with cross tubes*
 Made at *Stockton* By whom made *Riley Bros* When made *2/98* Where fixed *Stoke Newington*
 Working pressure *80 1/2* tested by hydraulic pressure to *160* No. of Certificate *1808* Fire grate area *22 1/2* Description of safety valves *Spring*
 No. of safety valves *2* Area of each *4.9* Pressure to which they are adjusted *80 1/2* If fitted with easing gear *yes* If steam from main
 enter the donkey boiler *no.* Diameter of donkey boiler *7 1/4* Length *14 1/2* ft. Material of shell plates *5* Thickness
 Description of riveting long. seams *d. r. lap.* Diameter of rivet holes *5/16* Whether punched or drilled *drilled* Pitch of
 Lap of plating *1/4* Per centage of strength of joint Rivets *82* Thickness of shell crown plates *9/16* Radius of do. *5 1/2* ft. No. of Stays to
 Dia. of stays *1 1/2* Diameter of furnace Top *5 5/8* Bottom *6 0 1/4* Length of furnace *5 1* Thickness of furnace plates *3/8*
 joint *R. lap* Thickness of furnace crown plates *9/16* Stayed by *7 stays 1 1/2* Working pressure of shell by r
 Working pressure of furnace by rules *80 1/2* Diameter of uptake *17* Thickness of uptake plates *7/16* Thickness of water tubes

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

The foregoing is a correct description.
 For the *North Eastern Marine Engineering Co. Ltd.*
J. H. Dunn — *Director* Manufacturer. *Main engines & boiler*

Dates of Survey while building
 During progress of work in shops— *1898 Dec 20, 22, 1899 Jan 27, Feb 21, March 8, 9, 10, 14, 15, 16, 21, 25, 28, 29,*
 During erection on board vessel— *April 7, 11, 12, 17, 18, 21, 25, 26, 27, 28, 29, May 1, 5, 8, 10, 16, 17, 20, 24, June 3,*
 Total No. of visits *34*

General Remarks (State quality of workmanship, opinions as to class, &c.)
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ENGINES—Length of stern bush *3' 6"* Diameter of crank shaft journals *8.95* as per rule *9* as fitted *9* Diameter of thrust shaft under collars *9 1/2*
BOILERS—Range of tensile strength *29-32* Are they welded or flanged *no* **DONKEY BOILERS**—No. *1* Range of tensile strength *27-32*
 Is the approved plan of main boiler forwarded herewith *no dup* Is the approved plan of donkey boiler forwarded herewith *no*

*Machinery and boilers constructed under Special Survey materials and workmanship good
 Boilers & main steam pipes tested to twice the working pressure. Engines & boilers examined under full steam & found satisfactory.
 In my opinion this vessel is eligible for the record of L.M.C 6/99.*

It is submitted that this vessel is eligible for THE RECORD.
+ L.M.C 6, 99
JH
13/6/99

Sunderland.
 certificate (if required) to be sent to
 (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...
 Special ... £ *23 14*
 Donkey Boiler Fee ... £
 Travelling Expenses (if any) £
 When applied for, *9.6.99*
 When received, *12.5.99*
J. J. Findlay
 Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.
 Committee's Minute
 Assigned
 TUES, 13 JUN 1899
 CERTIFICATE WRITTEN.
+ L.M.C 6, 99

