

REP 4

47114

DONKEY BOILER— No. *One* Description *Simple tank Multitubular*
 Made at *Newcastle* By whom made *Widdowson & Sons, Ltd.* When made *29/1/04* Where fixed *Stockholm*
 Working pressure *120 lbs* tested by hydraulic pressure to *240 lbs* No. of Certificate *6729* Fire grate area *30.9* Description of safety valves *Spring*
 No. of safety valves *2* Area of each *4.93* Pressure to which they are adjusted *120 lbs* If fitted with casing gear *No* If steam from main boilers can enter the donkey boiler *No* Dia. of donkey boiler *10'-0"* Length *9'-1"* Material of shell plates *S* Thickness *3/8* Range of tensile strength *29-32* Descrip. of riveting long. seams *Lap with* Dia. of rivet holes *3/16* Whether punched or drilled *Drilled* Pitch of rivets *4 1/2*
 Lap of plating *7/8* Per centage of strength of joint *81* Thickness of shell *end* plates *3/4* Radius of do. *1/2* No. of Stays to do. *14 x 14 1/2*
 Dia. of stays *1.57* Diameter of furnace *top 38"* Bottom *—* Length of furnace *5'-9"* Thickness of furnace plates *7/8* Description of joint *1 1/2" single rivet* Thickness of furnace crown plates *3/8* Stayed by *1 3/8" stay* Working pressure of shell by rules *123*
 Working pressure of furnace by rules *131* Diameter of *tube* *2 3/4* Thickness of *tube* plates *1 3/8" 13 3/4* Thickness of *stay* tubes *5/8*

SPARE GEAR. State the articles supplied:— *One propeller shaft, two lip end & two bottom end con. rods, bolts & nuts, two main bearing bolts, one at coupling bolts, one at feed & lift pump valves, assorted bolts & nuts, 2000 of various sizes.*

The foregoing is a correct description,
 THE WALLSEND SHIPWRECK ENGINEERING CO., LIMITED.

M. M. Widdowson Manufacturer.

Dates of Survey
 During progress of work in shops— *1903 Oct. 20/1904 Dec. 16/1904 Jan. 15/20. 28. 29 Feb. 15. 16. 26. 29 Apr. 11/ May 27. June 2.*
 During erection on board vessel—
 Total No. of *s* *16*

Is the approved plan of main boiler forwarded herewith *No*

General Remarks (State quality of workmanship, opinions as to class, &c.) *This vessel is built to carry oil in bulk. The main and donkey boilers are fitted to burn liquid fuel oil with Echu and Rustons patent burners. Two 15 ton evaporators are fitted to make up loss of water due to spraying the oil. The oil fuel is carried in bunkers at fore end of stockhold in way of donkey boiler but not underneath engines or boilers. The donkey boiler in way of bunkers is thoroughly insulated being covered thickly with non-conducting composition. Two duplex pumps are fitted in stockhold to pump the oil fuel from bunkers to settling tanks in hold, and for pumping out oil well in way of bunkers. The oil to be used for fuel is Burmah oil which to have a flash point not less than F 200.*

The machinery of this vessel has been constructed under special survey, the materials and workmanship are sound and good, and under the vessel stowage in my opinion to have record of L.M.C. 6.14.

It is submitted that
 this vessel is eligible for
 THE RECORD

L.M.C. 6.04 ELEC. LIGHT.

Fitted for Liquid Fuel 6.04

8-6-04

J.M.

G.A. Hake

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

The amount of Entry Fee... £ *2* : :
 Special... £ *33* : *5* :
 Donkey Boiler Fee... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, *1 JUN 1904*
 When received, *11 JUN 1904*

Committee's Minute

FRI. 10 JUN 1904

Assigned

+ L.M.C. 6.04

Elec. light

Fitted for Liquid fuel 6.04

WITTEN



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Lloyd's Register Foundation

Newcastle-on-Tyne

Certificate (if required) to be sent to