

*Appl. No. 12998.*  
*No. 4422*

Received at London Office MON. 2 JUL 1966

To. in  
Book.

Registered Horse Power	Owner's Name	Make and Model	Is forced draft fitted	No. and Description of
ULTITUBULAR BOILERS	MARY ANN	DONKEY. — Manufacturers of Steel	Yes	

Total Heating Surface of Boilers 6044 Is forced draft? No. Date of test 3-3-06  
 Number of Certificate 3625 Can each boiler be worked separately? Yes Area of fire grate in each boiler 26.5 sq ft No. and Description of  
 Safety valves to each boiler 2 Spring Area of each valve 5.72 Pressure to which they are adjusted 95 lb  
 Are they fitted with easing gear? Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No  
 Smallest distance between boilers or uptakes and bunkers or woodwork 18" Dia. of boilers 9'-0" Length 9'-0"  
 Material of shell plates Steel Thickness 17/32 Range of tensile strength 28/32 Are the shell plates welded or flanged? No  
 Description of riveting: cir. seams 2 1/4" long, seams 2 1/2" rivets 94% Working pressure of shell by  
 Gap of plates or width of butt straps 6 1/2 Per centages of strength of longitudinal joint plate 73.2%  
 Rules 90 lbs Size of manhole in shell 16 x 12 Size of compensating ring 5 1/2 x 1/4 No. and Description of Furnaces in each  
 boiler 2, plain Material Steel Outside diameter 2'-9" Length of plain part top 5'-10" Thickness of plates crown 1/2"  
 Description of longitudinal joint Welded No. of strengthening rings Working pressure of furnace by the rules 97 lb Combustion chamber  
 plates: Material Steel Thickness: Sides 17/32 Back 9/16 Top 17/32 Bottom 5/8 Pitch of stays to ditto: Sides 9 1/4 x 8 3/4 Back 9 x 9  
 Top 8 1/2 x 8 3/4 If stays are fitted with nuts or riveted heads? No heads Working pressure by rules 93 lb Material of stays Iron Area  
 smallest part 1'-4 1/2 Area supported by each stay 81 sq in Working pressure by rules 107 lb End plates in steam space: Material Steel Thickness 5/4  
 Pitch of stays 15 1/2 x 16 1/2 How are stays secured? N + W Working pressure by rules 104 lb Material of stays Iron Area  
 Area supported by each stay 256 sq in Working pressure by rules 100 lb Material of Front plates at bottom Steel Thickness 5/4 Material of  
 Lower back plate Steel Thickness 3/4 Greatest pitch of stays 13 x 9 Working pressure of plate by rules 146 lb Diameter of tubes 3"  
 Pitch of tubes 4 1/4 x 4 1/4 Material of tube plates Steel Thickness: Front 3/4 Back 9/16 Mean pitch of stays 10'-6" Pitch across water  
 water spaces 13 1/2 Working pressures by rules 110.5 lb Girders to Chamber tops: Material Steel Depth and thickness  
 girder at centre 5 1/2 x 1 1/4 Length as per rule 22 3/8 Distance apart 8 1/2 x 8 3/4 Number and pitch of Stays in each 10 in. 3 1/2"  
 Working pressure by rules 92 lb Superheater or Steam chest: how connected to boiler? None Can the superheater be shut off and the boiler work  
 separately? Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of r  
 holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness  
 If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed  
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear  
 Manufacturers of steel

**VERTICAL DONKEY BOILER**— No. \_\_\_\_\_ Description \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_

Made at \_\_\_\_\_ By whom made \_\_\_\_\_

Working pressure \_\_\_\_\_ tested by hydraulic pressure to \_\_\_\_\_ No. of Certificate \_\_\_\_\_ Fire grate area \_\_\_\_\_ Description of safety valves \_\_\_\_\_

No. of safety valves \_\_\_\_\_ Area of each \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ 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 \_\_\_\_\_ Rivets \_\_\_\_\_ 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 \_\_\_\_\_

The foregoing is a correct description,

THOMAS SUDRON & CO. LIMITED.

Manufacturer.

1906 January 4. 24 February 13. 14. 22. 24 March 1. 4. 13.

Dates of Survey while building	During progress of work in shops - -		During erection on board vessel - - -		Total No. of visits
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Is the approved plan of main boiler forwarded herewith

plan of main border, for instance  
" donkey " " " *Noted for duplicate.*  
W831-0078 Lloyd's Register  
Foundation



GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been constructed under Special Survey the materials and workmanship are good & efficient and when tested with hydraulic pressure was found tight and satisfactory. The boiler has been sent to Northpool to be fitted on board the vessel.

This boiler has now been fitted on board & the safety valves adjusted under steam

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 ... £ : :  
 Donkey Boiler Fee ... £ 2 : 2 :  
 Travelling Expenses (if any) £ : :  
 When applied for, 19...  
 When received, 14. 4. 06

Committee's Minute

TUES. 3 JUL 1906

Assigned

20 Month on Hpe Rph  
 No 12998

Geo. A. Milner & Hor. A. L. Thornton  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



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 Foundation