

REPORT ON BOILERS.

mat. No. 4281
Hull - 17345
1UES. 12 DEC 1905

Port of MIDDLESBROUGH-ON-TEES

Received at London Office

No. in Reg. Book. Stockton Date, first Survey May 9th Last Survey Nov. 4th 1905
 Name of the vessel s/s Thames (Number of Visits) _____
 Master _____ Built at Goole By whom built Goole S. B. & Ripig Co. Ld. When built 1905
 Engines made at Yarmouth By whom made Grabbie & Co. Ld. when made 1905
 Boilers made at Stockton By whom made Blair & Co. Ld. when made 1905
 Registered Horse Power 67 Owners E. P. Hutchinson Port belonging to Hull

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record) Total Heating Surface of Boilers _____ Is forced draft fitted _____ No. and Description of Boilers _____
 Working Pressure _____ Tested by hydraulic pressure to _____ Date of test _____
 No. of Certificate _____ Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of safety valves to each boiler _____
 Area of each valve _____ Pressure to which they are adjusted _____
 Are they fitted with easing gear _____ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of boilers _____ Length _____
 Material of shell plates _____ Thickness _____ Range of tensile strength _____ Are the shell plates welded or flanged _____
 Descrip. of riveting: cir. seams _____ long. seams _____ Diameter of rivet holes in long. seams _____ Pitch of rivets _____
 Lap of plates or width of butt straps _____ Per centages of strength of longitudinal joint _____ rivets _____ Working pressure of shell by rules _____ plate _____
 Size of manhole in shell _____ Size of compensating ring _____ No. and Description of Furnaces in each boiler _____
 Material _____ Outside diameter _____ Length of plain part _____ Thickness of plates _____ crown _____ bottom _____
 Description of longitudinal joint _____ No. of strengthening rings _____ Working pressure of furnace by the rules _____ Combustion chamber _____
 plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____ Pitch of stays to ditto: Sides _____ Back _____
 Top _____ If stays are fitted with nuts or riveted heads _____ Working pressure by rules _____ Material of stays _____ Diameter at smallest part _____
 Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: Material _____ Thickness _____
 Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of stays _____ Diameter at smallest part _____
 Area supported by each stay _____ Working pressure by rules _____ Material of Front plates at bottom _____ Thickness _____ Material of Lower back plate _____
 Thickness _____ Greatest pitch of stays _____ Working pressure of plate by rules _____ Diameter of tubes _____
 Pitch of tubes _____ Material of tube plates _____ Thickness: Front _____ Back _____ Mean pitch of stays _____ Pitch across wide water spaces _____
 Working pressures by rules _____ Girders to Chamber tops: Material _____ Depth and thickness of girder at centre _____
 Length as per rule _____ Distance apart _____ Number and pitch of Stays in each _____
 Working pressure by rules _____ Superheater or Steam chest; how connected to boiler _____ Can the superheater be shut off and the boiler worked separately _____
 Diameter _____ Length _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet 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 _____

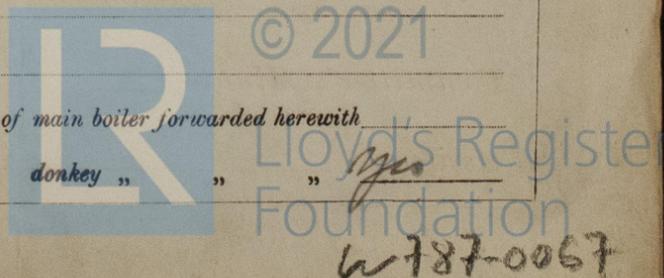
VERTICAL DONKEY BOILER— No. One Description Vertical 2 corr tubes Manufacturers of steel J. M. Jones & Sons Ltd
 Made at Stockton By whom made J. Hudson & Co. Ld. When made 1905 Where fixed Stockton
 Working pressure 90 lbs tested by hydraulic pressure to 180 lbs No. of Certificate 3454 Fire grate area 14 1/2 Description of safety valves Direct spring
 No. of safety valves one Area of each 7" Pressure to which they are adjusted 90 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 5'-0" Length 9'-0" Material of shell plates Steel Thickness 3/8" Range of tensile strength 27/82 Descrip. of riveting long. seams 2 1/2 Dia. of rivet holes 1 3/16 Whether punched or drilled Drilled Pitch of rivets 2 3/4
 Lap of plating 4 1/2 Per centage of strength of joint _____ Rivets 85-7 Working pressure of shell by rules 91.5 lbs Thickness of shell crown plates 19/32
 Plates 70-4 Radius of do. 3'-9" No. of Stays to do. none Dia. of stays _____ Diameter of furnace Top 3'-11" Bottom 4'-5" Length of furnace 3'-7"
 Thickness of furnace plates 15/82 Description of joint 2 1/2 Working pressure of furnace by rules 91 lbs Thickness of furnace crown plates 5/8" Stayed by stayed 2'-9" Diameter of uptake 13" Thickness of uptake plates 3/8" Thickness of water tubes 3/8"

The foregoing is a correct description,
THOMAS HUDSON & CO. LIMITED, Manufacturer.

Dates of Survey while building: During progress of work in shops - - - 1905: May 9, 12, 14, 25, Sept. 28
 During erection on board vessel - - -
 Total No. of visits _____

Is the approved plan of main boiler forwarded herewith

" " " donkey " "



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 & when tested with hydraulic pressure was found tight and satisfactory. It has been sent to Goble to be fitted on board the vessel.

This donkey boiler has now been fitted and secured on board in accordance with the Rules.

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

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	:	:	9.6 1905
Donkey Boiler Fee ...	£	2	20	When received,
Travelling Expenses (if any) £	:	:	:	21.6 1905

Geo. A. Wilner & Sons
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

FRI. 15 DEC 1905

Committee's Minute

Assigned



© 2021

Lloyd's Register
 Foundation