

REPORT ON BOILERS.

No. 2634⁶

Received at London Office

MUN. 22 JUN 1908

Date of writing Report 19th June 1908 When handed in at Local Office 19 Port of Haare

No. in Survey held at Haare. Date, First Survey July 1907 Last Survey 18th June 1908

Safety Reg. Book. 101. on the Steel Screw-Steamer "Mayenne" (Number of Visits 20.) Gross 2456.47 Tons Net 1529.82

Master J. Boju. built at Haare. By whom built Forges & Chantiers When built 1908.

Engines made at Haare By whom made Forges & Chantiers when made 1908.

Boilers made at Haare By whom made Forges & Chantiers when made 1908.

Indicated Registered Horse Power 1350. Owners C^o d'Origny & Faustin, Capelle & C^o Managers. Port belonging to La Rochelle.

MULTITUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY. - Manufacturers of Steel Denain-Auzin-Schultz-Knaudt

(Letter for record (S)) Total Heating Surface of Boilers 556 Square feet Is forced draft fitted No. No. and Description of Boilers on Cylindrical horizontally Working Pressure 100th Tested by hydraulic pressure to 185th Date of test 20.3.08

No. of Certificate 65 Can each boiler be worked separately ✓ Area of fire grate in each boiler 27 sq. feet No. and Description of safety valves to each boiler (2) two with springs. Area of each valve 1.92 Pressure to which they are adjusted 100th

Are they fitted with easing gear yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No can enter

Smallest distance between boilers or uptakes and bunkers or woodwork 24" Mean dia. of boilers 8' 11⁵/₈" Length 8' 5¹/₄"

Material of shell plates Steel Thickness 5/8" Range of tensile strength 27 to 29 Are the shell plates welded or flanged flanged.

Descrip. of riveting: cir. seams double long. seams double zig-zag Diameter of rivet holes in long. seams 1¹/₃₂" Pitch of rivets 4"

Lap of plates width of butt straps 6³/₁₆" Per centages of strength of longitudinal joint rivets 75. Working pressure of shell by rules 145. Size of manhole in shell 15³/₁₆" x 11³/₈" Size of compensating ring 33¹/₂" - 1¹/₃₂" thick No. and Description of Furnaces in each boiler 2 plain Material Steel Outside diameter 32⁹/₁₆" Length of plain part 75" Thickness of plates 17¹/₃₂"

Description of longitudinal joint Lapped riveted No. of strengthening rings on Working pressure of furnace by the rules 145. Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 7³/₈" Back 7¹/₈"

Top 6³/₈" If stays are fitted with nuts or riveted heads all nutted Working pressure by rules 145. Material of stays Steel Diameter at smallest part 1³/₃₂" Area supported by each stay 60. Working pressure by rules 140. End plates in steam space: Material Steel Thickness 5/8"

Pitch of stays 13¹/₈" How are stays secured double nuts Working pressure by rules 140. Material of stays Steel Diameter at smallest part 1³/₃₂"

Area supported by each stay 88. Working pressure by rules 140. Material of Front plates at bottom Steel Thickness 25¹/₃₂" Material of Lower back plate Steel Thickness 25¹/₃₂" Greatest pitch of stays ✓ Working pressure of plate by rules ✓ Diameter of tubes 3¹/_{2"}

Pitch of tubes 4³/₁₆" Material of tube plates Steel Thickness: Front 25¹/₃₂" Back 25¹/₃₂" Mean pitch of stays 10" Pitch across wide water spaces 1¹/_{4"} Working pressures by rules 130. Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 4³/₁₆" - 5¹/_{8"} Length as per rule 19¹/_{4"} Distance apart 10⁵/_{8"} Number and pitch of Stays in each 2 - 6³/_{8"}

Working pressure by rules 145. 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 ✓

M. LE DIRECTEUR DE L'EXPLOITATION
Ed. Lavoisier
The foregoing is a correct description,
Manufacturer.

Dates of Survey } During progress of } 1907 - July 5 - Nov. 22, 1908 Jan 15, 21, 27 Feb. 10 Is the approved plan of boiler forwarded herewith Yes Returned 27/6/08
while } work in shops - - } March 6, 17, 20, 28
building } During erection on } April 2, 3, 6, 16, May 9, 12, 14, 15 - June 11, 18 Total No. of visits 20. - Twenty
board vessel - - - }

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. as per Secretary Letter (E.) 10th November 1906.)
This donkey-boiler has been built under special survey, the materials used were in premium-quality Steel, & tested in accordance with Rules requirements & found in good & malleable quality.
The construction of the boiler is, in my opinion in good and safe working condition, and submitted for the consideration of the Committee

Survey Fee £ 52.50 : } When applied for, 18th June 1908
Travelling Expenses (if any) £ 6.25 : } When received, 23.6.08



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

Committee's Minute
Assigned

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