

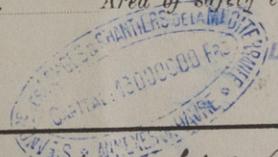
REPORT ON BOILERS.

No. 2614.
MON. 16 MAR 1908

Received at London Office

Date of writing Report 16th March 1908 When handed in at Local Office 19 Port of Haere.
 No. in Survey held at Haere. Date, First Survey 7th June 1907 Last Survey 7th March 1908
 (Number of Visits 14) Tons } Gross 2456.47
 Net 1529.82
 Name of Ship on the Steel Screw Steamer "Sartre."
 Master Salain 1908 Built at Haere By whom built Forges & Chantiers When built 1908.
 Engines made at Haere By whom made Forges & Chantiers. when made 1908.
 Boilers made at Haere By whom made Forges & Chantiers when made 1908.
 Indicated 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 Tenain-Auzin & Schultze-Knaudt.
 Letter for record (S) Total Heating Surface of Boilers 556 sq. feet. Is forced draft fitted No. No. and Description of Boilers one Cylindrical horizontally Working Pressure 100th Tested by hydraulic pressure to 185th Date of test 22-11-07
 No. of Certificate 62. 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 two with spring. 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.
 Smallest distance between boilers or uptakes and bunkers or woodwork 24" Mean dia. of boilers 8' 11 3/8" Length 8' 5 1/8"
 Material of shell plates Steel Thickness 3/8" Range of tensile strength 27 to 29th Are the shell plates welded or flanged flanged.
 Descrip. of riveting: cir. seams double long. seams table 3/4 in. gap. Diameter of rivet holes in long. seams 1 1/32" Pitch of rivets 4"
 Lap of plates or width of butt straps 6 3/16" Per centages of strength of longitudinal joint plate 80. Working pressure of shell by rules 145th No. and Description of Furnaces in each boiler two plain Material Steel Outside diameter 32 9/16" Length of plain part 75" Thickness of plates 17/32"
 Description of longitudinal joint lapped riveted No. of strengthening rings one Working pressure of furnace by the rules 145th Combustion chamber plates: Material Steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 7 3/8" Back 7 1/8"
 Top 6 3/8" x 10 5/8" If stays are fitted with nuts or riveted heads all nutted. Working pressure by rules 145th Material of stays Steel Diameter at smallest part 1 3/32" Area supported by each stay 60^{sq} Working pressure by rules 140th End plates in steam space: Material Steel Thickness 5/8"
 Pitch of stays 13 1/8" How are stays secured double nuts. Working pressure by rules 140th Material of stays Steel Diameter at smallest part 1 29/32"
 Area supported by each stay 88^{sq} Working pressure by rules 140th Material of Front plates at bottom Steel Thickness 25/32" Material of Lower back plate Steel Thickness 25/32" Greatest pitch of stays — Working pressure of plate by rules — Diameter of tubes 3 1/2"
 Pitch of tubes 4 3/4" Material of tube plates Steel Thickness: Front 25/32" Back 25/32" Mean pitch of stays 10" Pitch across wide water spaces 1 1/4" Working pressures by rules 130th Girders to Chamber tops: Material Steel Depth and thickness of girder at centre 4 7/16" x 22 5/8" Length as per rule 19 1/4" Distance apart 10 5/8" Number and pitch of Stays in each 2 - 6 3/8"
 Working pressure by rules 145th 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 —



The foregoing is a correct description,
A. Bricard Manufacturer.

Dates of Survey } During progress of work in shops - - - } 1907 - Jun 7 - July 5 - Sep. 21 - Oct. 8 - Nov. 13 - 22 } Is the approved plan of boiler forwarded herewith Yes
 } During erection on board vessel - - - } 1908 - Jan 7 - 14 - 18 - 2 Feb. 3 - 13 - 21 - March 7. } Total No. of visits 14 Fourteen

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. as per Secretary letter E. 10th November 1906.)
 This Boiler has been built under Special Survey, the materials used, which is in Junius-Martin Steel, was tested at works, in accordance with rules requirements, & found in good & malleable quality. The donkey-boiler now built, as per approved plan in date of 10-3-06, 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, 14th March 1908
 Travelling Expenses (if any) \$ 6.25 : } When received, 17-3-08



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

Committee's Minute
 Assigned

