

REPORT ON BOILERS.

Received at London MON. DEC. 3

Date of writing Report *27 Decmbr 1912* When handed in at Local Office *191* Port of *Havre*
 No. in Survey held at *Havre* Date, First Survey *16th Febuary 1912* Last Survey *19th December 1912*
 Reg. Book. *8.* on the *Steel Screw Steamer "Ville d'Alger."* (Number of Visits *16*) Tons { Gross *4857*
 Net *3004*
 Master *Leperson* Built at *Havre* By whom built *Forges & Chantiers* When built *1912*
 Engines made at *Havre* By whom made *Forges & Chantiers* When made *1912*
 Boilers made at *Havre* By whom made *Caillaud & Co.* When made *1912*
 Nominal Horse Power *331* Owners *Comp^e Havrais Peninsulaire* Port belonging to *Havre*

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Rheinische Stahlwerk Duisburg-Essen*
and Equivalents

(Letter for record) (5) Total Heating Surface of Boilers *646 sq. ft.* Is forced draft fitted *No* No. and Description of Boilers *Cylindrical horizontally* Working Pressure *7.5* Tested by hydraulic pressure to *14.5* Date of test *10-9-12*
 No. of Certificate *96* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *28 sq. ft.* No. and Description of safety valves to each boiler *two spring imp. valves* Area of each valve *3.14* Pressure to which they are adjusted *7.5*
 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 *9' 5 1/2"* Length *8' 10 1/4"*
 Material of shell plates *Steel* Thickness *2 1/32"* Range of tensile strength *28.5 to 31.5 tons* Are the shell plates welded or flanged *Flanged*
 Descrip. of riveting: cir. seams *all double* long. seams *lopped table* Diameter of rivet holes in long. seams *3 5/32"* Pitch of rivets *4.2"*
 Lap of plates or width of butt straps *6 3/4"* Per centages of strength of longitudinal joint rivets *1.4* Working pressure of shell by rules *7.700* Size of manhole in shell *11 7/8 x 15 3/4"* Size of compensating ring *29 1/2 x 25 1/2"* No. and Description of Furnaces in each boiler *2 plain* Material *Steel* Outside diameter *34 3/4"* Length of plain part *8' 5"* Thickness of plates *20 1/32"*
 Description of longitudinal joint *welded* No. of strengthening rings *10* Working pressure of furnace by the rules *10,900* Combustion chamber plates: Material *Steel* Thickness: Sides *19 1/32"* Back *19 1/32"* Top *19 1/32"* Bottom *23 1/32"* Pitch of stays to ditto: Sides *7 1/8"* Back *9-8.8"*
 Top *7 1/8"* If stays are fitted with nuts or riveted heads *all nuts* Working pressure by rules *8,100* Material of stays *Steel* Diameter at smallest part *1 1/4"* Area supported by each stay *49.9* Working pressure by rules *8.4* End plates in steam space: Material *Steel* Thickness *28 1/32"*
 Pitch of stays *17 3/4"* How are stays secured *lashed nut* Working pressure by rules *8.5* Material of stays *Steel* Diameter at smallest part *2 1/4"*
 Area supported by each stay *260.9* Working pressure by rules *8.5* Material of Front plates at bottom *Steel* Thickness *5 7/16"* Material of lower back plate *Steel* Thickness *5 7/16"* Greatest pitch of stays *9"* Working pressure of plate by rules *8.5* Diameter of tubes *3 1/2"*
 Pitch of tubes *4.4"* Material of tube plates *Steel* Thickness: Front *5 7/16"* Back *2 5/32"* Mean pitch of stays *9"* Pitch across wide water spaces *1 1/2 x 14"* Working pressures by rules *8.5* Girders to Chamber tops: Material *Steel* Depth and thickness of girder at centre *5 1/2 x 5/8"* Length as per rule *22 1/2"* Distance apart *10 1/2"* Number and pitch of Stays in each *2-7 1/8"*
 Working pressure by rules *8.5* 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*
 Pitch of rivets *Working pressure of shell by rules* Diameter of flue *Material of flue plates* Thickness *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 *Yes*



The foregoing is a correct description,

Caillaud Manufacturer.

Dates During progress of work in shops: *Feb. 16. March 25 May 14 Aug 23. Sep. 6. 10* Is the approved plan of boiler forwarded herewith *Yes*
 Survey while building: *Sep. 19. 27. Oct. 1. 11. 23. 26 Nov. 13. 16. Dec. 16. 19* Total No. of visits *(16)* *Sixteen*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This donkey-boiler has been specially*
designed during the construction, to conform to the approved & amended plan in date of 27-11-11 and
2-11. Secretary letters of same date. all materials used were tested at work (Certificates attached here)
and in good & malleable quality. In my opinion there is merit the consideration of the Committee,
to be classed & inscribed in the Register Book.

Survey Fee ... *£ = 66.00* When applied for *28 December 1912*Travelling Expenses (if any) *£ = 29.40* When received, *191*

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

Committee's Minute

Signed

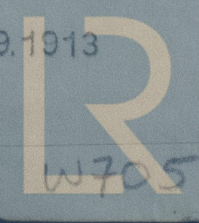
FRI. JAN. 10. 1913

TUE. JAN. 14. 1913

TUE. JUN. 24. 1913

TUE. NOV. 25. 1913

FRI. DEC. 19. 1913



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