

# REPORT ON BOILERS.

No. 17636.  
WED. MAY 5 1920

Received at London Office

Date of writing Report 24 April 1920 When handed in at Local Office 28 April 1920 Port of Greenock

No. in Survey held at *Greenock* Date, First Survey *2nd Dec., 1919*; Last Survey *28th April 1920*  
 Reg. Book. *S.S. Depute Rene Berle* (Number of Visits *31*) Gross Tons }  
 on the *SS Depute Gaston Dumesnil* *P.O. No. 2* Net Tons }  
 Master Built at *Chantenay Canal France* When built *1920*  
 Engines made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made \_\_\_\_\_  
 Boilers made at *Greenock* By whom made *Stm S Kincaid & Co* When made *1920*  
 Registered Horse Power \_\_\_\_\_ Owners \_\_\_\_\_ Port belonging to \_\_\_\_\_

**MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.** Manufacturers of Steel *Stm S Kincaid & Co*

Letter for record *S* Total Heating Surface of Boilers *3220 sq ft* Is forced draft fitted \_\_\_\_\_ No. and Description of Boilers *Two single ended* Working Pressure *185 lb* Tested by hydraulic pressure to *327 lb* Date of test *22 April 20*

No. of Certificate *1444* Can each boiler be worked separately \_\_\_\_\_ Area of fire grate in each boiler *48.56 sq ft* No. and Description of safety valves to each boiler *Sea machinery first entry Rpt* Pressure to which they are adjusted \_\_\_\_\_

Are they fitted with casing 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 *13.3'* Length *10.6'*

Material of shell plates *Steel* Thickness *1 1/8"* Range of tensile strength *28-32* Are the shell plates welded or flanged \_\_\_\_\_

Description of riveting: *all seams all rivet long seams all rivet* Diameter of rivet holes in long seams *1 1/32"* Pitch of rivets *8/p*

Gap of plates or width of butt straps *17/16"* Per centages of strength of longitudinal joint rivets *85.4* Working pressure of shell by plate *85.8*

Rules *189 lb* Size of manhole in shell *16" x 12"* Size of compensating ring *Hanged 1 1/8"* No. and Description of Furnaces in each boiler *3 Diagonal* Material *Steel* Outside diameter *41 1/2"* Length of plain part \_\_\_\_\_ Thickness of plates crown *17/32"* bottom \_\_\_\_\_

Description of longitudinal joint *welded* No. of strengthening rings *6* Working pressure of furnace by the rules *198 lb* Combustion chamber plates: Material *Steel* Thickness: Sides *4 5/16"* Back *10/16"* Top *4 5/16"* Bottom *4 5/16"* Pitch of stays to ditto: Sides *9 1/8" x 9 1/8"* Back *8 1/4" x 7 3/8"*

Top *9 1/8" x 8 1/4"* If stays are fitted with nuts or riveted heads *none* Working pressure by rules *200 lb* Material of stays *Steel* Diameter at smallest part *1.79"* Area supported by each stay *66.7 sq in* Working pressure by rules *241 lb* End plates in steam space: Material *Steel* Thickness *1 1/8"*

Pitch of stays *8 1/2" x 17 1/2"* How are stays secured *all bolt* Working pressure by rules *185 lb* Material of stays *Steel* Diameter at smallest part *6.33"*

Area supported by each stay *324 sq in* Working pressure by rules *208 lb* Material of Front plates at bottom *Steel* Thickness *1 1/4"* Material of lower back plate *Steel* Thickness *5 3/16"* Greatest pitch of stays *13 1/8"* Working pressure of plate by rules *155 lb* Diameter of tubes *3 1/2"*

Pitch of tubes *4 1/2" x 4 1/2"* Material of tube plates *Steel* Thickness: Front *1 1/4"* Back *2 5/16"* Mean pitch of stays *9 1/8"* Pitch across wide water spaces *14"* Working pressures by rules *185 lb* Girders to Chamber tops: Material *Steel* Depth and thickness of girder at centre *9 1/4" x 11 1/2"* Length as per rule *31.59'* Distance apart *8 1/4"* Number and pitch of Stays in each *4 x 9 1/8"*

Working pressure by rules *207 lb* Superheater or Steam chest: how connected to boiler \_\_\_\_\_ Can the superheater be shut off and the boiler worked separately? \_\_\_\_\_

Boiler	Diameter	Length	Thickness of shell plates	Material	Description of longitudinal joint	Diam. of rivet
1						
2						

Are they 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 casing gear \_\_\_\_\_

FOR JOHN G. KINCAID & CO. LIMITED  
 The foregoing is a correct description,  
*G. Kincaid* Manufacturer.

Dates of Survey: During progress of (1919) Dec. 2, 8, 12, 15, 18, 22, 26, 30. (1920) Jan. 13, 16, 20, 23, 28. Is the approved plan of boiler forwarded herewith? *Yes*  
 while building: During erection on board vessel Feb. 3, 16, 17, 19, 24. Mar. 4, 8, 10, 22, 26, 30. Apr. 27, 13, 19, 22, 28. Total No. of visits *31*.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) *Workmanship good.*  
*These boilers have been constructed under special survey in accordance with the Society's Rules and tested by hydraulic pressure to 327 lb as approved. They have now been sent to Caen, France.*

Survey Fee ... £ 10 : 5 : } When applied for, ..... 191  
 Travelling Expenses (if any) £ : : } When received, See Special Tariffs ..... 191  
*Collected at Paris letter 10-6-20*

Committee's Minute GLASGOW 4 - MAY 1920  
 Assigned TRANSMIT TO LONDON  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 TUE. APR. 19 1920  
 06332-006342-0051



LOUÏS DE LAUNAY

Lloyd's Register of Shipping  
SURVEYORS OFFICE  
17, Boulevard des Alliés  
CAEN



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Lloyd's Register  
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