

Auxiliary REPORT ON BOILERS.

No. 666

Received at London Office

Date of writing Report 17th Aug. 1912 When handed in at Local Office 101 Port of Nantes AUG. 19. 1912

No. in Survey held at Nantes & St. Nazaire Date, First Survey 24th May 1911 Last Survey 16th Aug. 1912

Reg. Book 156 on the Steel Screw Steamer "Saint Joseph" (Number of Visits 62) Tons { Gross 5800
Net 3688

Master Quemper Built at St. Nazaire By whom built Ateliers & Chantiers de la Loire When built 1912

Engines made at Nantes By whom made Ateliers & Chantiers de la Loire When made 1912

Boilers made at Nantes By whom made ditto. When made 1912

Registered Horse Power — Owners Cie. Navale de l'Océanie Port belonging to Bordeaux

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

Letter for record (8) Total Heating Surface of Boiler 1298 sq. ft. As forced draft fitted No. No. and Description of Boiler One Ana. Cyl. Scotch Boiler Working Pressure 178 lbs. Tested by hydraulic pressure to 320 lbs. Date of test 13-4-12

No. of Certificate 30 Can the boiler be worked separately Yes Area of fire grate in each boiler 45 sq. ft. No. and Description of safety valves to the boiler 2 Leithillier-Pinel improved Area of each valve 3.04 sq. ins. Pressure to which they are adjusted 183 lbs.

Are they fitted with easing gear Yes In case of auxiliary boiler, state whether steam from main boilers can enter the auxiliary boiler Yes Force versé

Smallest distance between boiler or uptakes and bunkers or woodwork 15 1/2" Mean dia. of boiler 12' 1 1/2" Length 10' 4"

Material of shell plates Steel Thickness 16.4/16" Range of tensile strength 28.7 to 30 tons Are the shell plates welded or flanged No.

Descrip. of riveting: cir. seams Double riv. long. seams treble riveted Diameter of rivet holes in long. seams 19.5/16" Pitch of rivets 7.86"

Top of plates or width of butt straps 16 1/8" Per centages of strength of longitudinal joint — Working pressure of shell by rules —

Size of manhole in shell 16 15/16" x 20 1/8" Size of compensating ring Copper approx. plan No. and Description of Furnaces in each boiler 2 Morrison corrug. Material Steel Outside diameter 47 1/4" Length of plain part top — bottom — Thickness of plates crown 9.4" bottom 16"

Description of longitudinal joint — No. of strengthening rings — Working pressure of furnace by the rules — Combustion chamber —

Plates: Material Steel Thickness: Sides 8.8/16" Back 8.8/16" Top 8.8/16" Bottom 12.6/16" Pitch of stays to ditto: Sides 7 3/32" x 7 3/32" Back 7 5/8" x 7 3/16"

Top 7 3/32" x 6 7/8" If stays are fitted with nuts or riveted heads Yes in chambers Working pressure by rules — Material of stays Steel Diameter at smallest part 1.4" Area supported by each stay — Working pressure by rules — End plates in steam space: Material Steel Thickness 15.7/16"

Pitch of stays 16 1/8" x 13 1/2" How are stays secured Double nuts Working pressure by rules — Material of stays Steel Diameter at smallest part 2.4"

Area supported by each stay — Working pressure by rules — Material of Front plates at bottom Steel Thickness 15.1/16" Material of lower back plate Steel Thickness 15.1/16" Greatest pitch of stays 13 3/8" x 7 3/8" Working pressure of plate by rules — Diameter of tubes 3 11/32"

Pitch of tubes 4 1/32" x 4 1/32" Material of tube plates Steel Thickness: Front 15.1/16" Back 12.6/16" Mean pitch of stays 11.2" Pitch across wide water spaces 14 3/16" Working pressures by rules — Girders to Chamber tops: Material Steel Depth and thickness of order at centre 8 7/8" (2 x 12.6/16") Length as per rule 27 13/16" Distance apart 6 3/8" Number and pitch of Stays in each 3 - 7 3/32"

Working pressure by rules — Superheater or Steam chest; how connected to boiler None 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 —

The foregoing is a correct description,

L. D. DIRECTEUR

Stamming

Manufacturer.

Dates { During progress of work in shops - - -
Survey while { During erection on board vessel - - -
building

See accompanying Report on Machinery

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, etc.)

(Continued from Machinery Report)

Working pressure. The Engines were tested under steam in my presence with good results, action running well & smoothly during a several hours trial.

I am therefore of opinion that the machinery is eligible to the record of LMC-8.12

% of the Society's Register Book. Ship to be classed 100A1

Survey Fee

Please see

When applied for

191

Travelling Expenses (if any) £

:

When received

191

W. Kerr.

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

It is submitted that

this vessel is eligible for

1st RECORD. + LMC 8.12

2SB (F.D.) 1 Aux. S.B.

19.8.12

Committee's Minute

FRI. AUG. 23. 1912

Assigned

+ LMC 8.12

MACHINERY CERTIFICATE

WRITTEN

22.8.12

W1574-0033

J.M.C.

Lloyd's Register Foundation