

## REPORT ON MACHINERY.

No. 2614.

MON. 16 MAR 1908

Port of

Havre.

Received at London Office

19

No. in Survey held at  
g. Book.

Havre

Date, first Survey

July 1907

Last Survey

7<sup>th</sup> March, 1908

on the

Havre Steam Steamer

"Sartre".

(Number of Visits 30.)

Tons

Gross 2456.47

Net 1529.82

When built

1908

Built at

Havre.

By whom built

Forges &amp; Chantiers

Engines made at

Havre

By whom made

Forges &amp; Chantiers.

when made

1908.

Milers made at

Havre

By whom made

Forges &amp; Chantiers.

when made

1908.

Registered Horse Power

1350

Owners

C. d'Orbigny & Fautin, Capell & C<sup>o</sup> Managers

Port belonging to

La Rochelle.

m. Horse Power as per Section 28

190.

Is Refrigerating Machinery fitted for cargo purposes

No.

Is Electric Light fitted

No.

GINES, &amp;c.—Description of Engines

Triple expansion Vertical

No. of Cylinders

three

No. of Cranks

three

Diameter of Cylinders

20.7/8 - 33.1/16 &amp; 52"

Length of Stroke

33.7/16

Revs. per minute

85.

Diameter of Screw shaft

as per rule 11.35"

Material of screw shaft

Steel.

the screw shaft fitted with a continuous liner the whole length of the stern tube

the propeller boss

between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

If the liner is in more than one length are the joints burned

Diameter of Tunnel shaft

Diameter of Crank shaft journals

Diameter of Crank pin

Diameter of screw

Pitch of Screw

No. of Blades

State whether moveable

Total surface

Diameter of thrust shaft under

Can one be overhauled while the other is at work

Can one be overhauled while the other is at work

No. and size of Suctions connected to both Bilge and Donkey pumps

In Holds, &amp;c.

Are all the bilge suction pipes fitted with roses

Are the roses in Engine room always accessible

Are they Valves or Cocks

Are the Discharge Pipes above or below the deep water line

Are the Blow Off Cocks fitted with a spigot and brass covering plate

How are they protected

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges

Dates of examination of completion of fitting of Sea Connections

Is the Screw Shaft Tunnel watertight

Is it fitted with a watertight door

BOILERS, &amp;c.—(Letter for record)

Manufacturers of Steel

Total Heating Surface of Boilers

Is Forced Draft fitted

No. and Description of Boilers

No. of Certificates

Can each boiler be worked separately

Area of fire grate in each boiler

Area of each valve

Pressure to which they are adjusted

Are they fitted with easing gear

Smallest distance between boilers or uptakes and bunkers or woodwork

Mean dia. of boilers

Length

Material of shell plates

Thickness

Range of tensile strength

Are the shell plates welded or flanged

Descrip. of riveting: cir. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Width of butt straps

Per centages of strength of longitudinal joint

Working pressure of shell by rules

Size of manhole in shell

Material

Outside diameter

No. and Description of Furnaces in each boiler

Length of plain part

Thickness of plates

Description of longitudinal joint

No. of strengthening rings

Working pressure of furnace by the rules

Combustion chamber plates: Material

Thickness: Sides

Back

Top

Bottom

Pitch of stays to ditto: Sides

Back

Top

Bottom

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space:

Material of stays

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of Front plates at bottom

Thickness

Greatest pitch of stays

Working pressure of plate by rules

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Diameter of tubes

Pitch of tubes

Material of tube plates

Thickness: Front

Back

Mean pitch of stays

Pitch across wide water spaces

Working pressures by rules

Girders to Chamber tops: Material

Thickness

Depth and thickness of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

Can the superheater be shut off and the boiler worked

Superheater or Steam chest; how connected to boiler

Diam. of rivet

Material

Description of longitudinal joint

Diameter

Length

Thickness of shell plates

Material

Description of longitudinal joint

Diameter of flue

Material of flue plates

Thickness

Pitch of rivets

Working pressure of shell by rules

End plates: Thickness

How stayed

If stiffened with rings

Distance between rings

Working pressure by rules

Area of safety valves to superheater

Are they fitted with easing gear

Working pressure of end plates

W744-0125



