

THU. MAY. 25. 1916

Date of writing Report 19 May 1916 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Rotterdam

Date, First Survey 15 April

Last Survey 15 May 1916

Reg. Book.

Ship on the Dutch Steel Screw Steamer "Ota Petra" (passenger).

(Number of Visits)

Tons Gross 100

Net 456

Master M. de Boer

Built at Rotterdam

By whom built J. Mayus & Co.

When built 1914

Engines made at Rotterdam

By whom made Maschinenfabrik Augsburg

when made 1914

Boilers made at Rotterdam

By whom made Maschinenfabrik Augsburg

when made 1914

Registered Horse Power 100

Owners M. de Boer, Rotterdam

Port belonging to Rotterdam

Nom. Horse Power as per Section 28 100

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

ENGINES, &c.—Description of Engines

No. of Cylinders 4

No. of Cranks 4

Dia. of Cylinders 14

Length of Stroke 14

Revs. per minute 85

Dia. of Screw shaft 4

as per rule

Material of screw shaft

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

Is the after end of the liner made water tight

In the propeller boss

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

If the liner does not fit tightly at the part

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

If two

liners are fitted, is the shaft lapped or protected between the liners

Length of stern bush

Dia. of Tunnel shaft 4

as per rule

Dia. of Crank shaft journals 4

as per rule

Dia. of Crank pin 4

Size of Crank webs 4

Dia. of thrust shaft under

collars 4

Dia. of screw 4

Pitch of Screw 4

No. of Blades 4

State whether moveable 4

Total surface 4

No. of Feed pumps 4

Diameter of ditto 4

Stroke 4

Can one be overhauled while the other is at work 4

No. of Bilge pumps 4

Diameter of ditto 4

Stroke 4

Can one be overhauled while the other is at work 4

No. of Donkey Engines 4

Sizes of Pumps 4

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

In Engine Room 4

In Holds, &c. 4

No. of Bilge Injections 4

sizes 4

Connected to condenser or to circulating pump

Is a separate Donkey Suction fitted in Engine room & size 4

Are all the bilge suction pipes fitted with roses

Are the roses in Engine room always accessible

Are the sluices on Engine room bulkheads always accessible

Are all connections with the sea direct on the skin of the ship

Are they Valves or Cocks

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are the Discharge Pipes above or below the deep water line

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel

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

What pipes are carried through the bunkers

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

of Stern Tube 4

Screw shaft and Propeller 4

Is the Screw Shaft Tunnel watertight

Is it fitted with a watertight door

worked from 4

BOILERS, &c.—(Letter for record)

Manufacturers of Steel

Total Heating Surface of Boilers

Is Forced Draft fitted

No. and Description of Boilers

Working Pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

Can each boiler be worked separately

Area of fire grate in each boiler

No. and Description of Safety Valves to

each boiler

Area of each valve

Pressure to which they are adjusted 192 lb.

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

long. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

Per centages of strength of longitudinal joint

rivets

Working pressure of shell by rules

Size of manhole in shell

Size of compensating ring

No. and Description of Furnaces in each boiler

Material

Outside diameter

Length of plain part

top

Thickness of plates

crown

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

If stays are fitted with nuts or riveted heads

Working pressure by rules

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

End plates in steam space

Material

Thickness

Pitch of stays

How are stays secured

Working pressure by rules

Material of stays

Diameter at smallest part

Area supported by each stay

Working pressure by rules

Material of Front plates at bottom

Thickness

Material of Lower back plate

Thickness

Greatest pitch of stays

Working pressure of plate by rules

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

Depth and

thickness of girder at centre

Length as per rule

Distance apart

Number and pitch of stays in each

Working pressure by rules

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

W806-0014

If so, is a report now forwarded?

The foregoing is a correct description.

Manufacturer.

Is the approved plan of main boiler forwarded herewith
 Forwarded with Considerations Report.
 " " " " " "

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case Yes. If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c.)

The engines have been tried under steam and the
wheel is good and efficient construction.

The Stentale has been drawn and refitted, after pro-
tecting and now found out with.

Electric light test under full working conditions
not found good.

The rest it in my opinion shall be L. recorded to
the Society's Reg. Book. & L. M. C. 5, 16.

It is submitted that
this vessel is eligible for
THE BROOD + LMC 5.16

Engineer-Surveyor to Lloyd's Register of British & Foreign Shipping

Committee's Minute FRI. JUN. -2. 1916

Assigned

+ KMC 5.16



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