

REPORT ON MACHINERY

No. 34221
WED. OCT 31 1917

of writing Report

10

When handed in at Local Office

10

Port of GlasgowSurvey held at
Book.Date, First Survey 11 andLast Survey 13th April

1914

on the Triple screw Steamer "Melita"

ter

Built at GlasgowBy whom built Barclay Curle & Co. Ltd. (S17)

Tons

Gross

Net

When built

1917

ines made at BelfastBy whom made Harland & Wolff

when made

1917

lers made at

By whom made

when made

istered Horse Power

Owners

Port belonging to

Horse Power as per Section 28

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

FINES, & Co.—Description of Engines

No. of Cylinders

No. of Cranks

of Cylinders

Length of Stroke

Revs. per minute

Dia. of Screw shaft

as per rule

Material of

as fitted

screw shaft

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

Is the after end of the liner made water tight

he 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

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

If two

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

Length of stern bush

of Tunnel shaft

as per rule

Dia. of Crank shaft journals

as per rule

Dia. of Crank pin

Size of Crank webs

Dia. of thrust shaft under

ars Dia. of screw

Pitch of Screw

No. of Blades

State whether moveable

Total surface

of Feed pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

of Bilge pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

of Donkey Engines

Sizes of Pumps

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

Engine Room

In Holds, &c.

of Bilge Injections

sizes

Connected to condenser, or to circulating pump

Is a separate Donkey Sution fitted in Engine room & size

e all the bilge suction pipes fitted with roses

Are the roses in Engine room always accessible

Are the sluices in Engine room bulkheads always accessible

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

yes

Are they Valves or Cocks

both

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

Are the Discharge Pipes above or below the deep water line

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

yes

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

yes

hat pipes are carried through the bunkers

How are they protected

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

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

ates of examination of completion of fitting of Sea Connections

13/4/17

of Stern Tube

13/4/17

Screw shaft and Propeller

13/4/17

the Screw Shaft Tunnel watertight

yes

Is it fitted with watertight door

yes

worked from

ILERS, & Co.—(Letter for record)

Manufacturers of steel

otal Heating Surface of Boilers

Is Forced Draft fitted

No. and Description of Boilers

orking Pressure

Tested by hydraulic pressure to

Date of test

No. of Certificate

an each boiler be worked separately

Area of fire grate each boiler

No. and Description of Safety Valves to

ch boiler

Area of each valve

Pressure, 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 pls welded or flanged

Descrip. of riveting: cir. seams

ng. seams

Diameter of rivet holes in long. seams

Pitch of rivets

Lap of plates or width of butt straps

er centages of strength of longitudinal joint

rivets

Working pressure of 4 by rules

Size of manhole in shell

ise of compensating ring

No. and Description of Furnaces in the boiler

Material

Outside diameter

Length of plain part

top

Thickness of plates

crown

Description of latitudinal joint

No. of strengthening rings

Working pressure of furnaces 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

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 p. of stays

Working pressure of plate by rules

Diameter of tubes

Pitch of tubes

Material of tube plates

Thiess: 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 ap

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

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

WS13-0174

Lloyd's Register
Foundation

If so, is a report now forwarded?

The foregoing is a correct description,

Manufacturer.

Is the approved plan of main boiler forwarded herewith

“ “ “ donkey “ “ “

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

Is this machinery duplicate of a previous case _____ If so, the name of vessel _____

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

Sea coasts and waters Sierra Leone propeller Shagbi & propellers
examined when fitted are found satisfactory

Certificate (if required) to be sent to:

D. McKim
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute GLASGOW 30017
Assigned Transmit to London