

REPORT ON MACHINERY.

No. 4158.

of writing Report
10th Decr. 1921.
When handed in at Local Office
10th Decr. 1921.
Port of
Dublin

Received at London Office
MON. 12 DEC. 1921

in Survey held at
Dublin
Date, First Survey
19. 9. 21.
Last Survey
8. 12. 1921.

Book.
Capt.
on the
steel screw steamer
"BOCAMAULE."

ster
Built at
Dublin
By whom built
The Dublin Dockyard Co. Ltd.

ines made at
Glasgow
By whom made
D. Rowan & Co.

lers made at
Glasgow
By whom made
D. Rowan & Co.

ristered Horse Power
Owners
Via Carbonifera y de Induccion Schwager
Port belonging to
Valparaiso.

n. Horse Power as per Section 28
Is Refrigerating Machinery fitted for cargo purposes
No
Is Electric Light fitted
yes.

GINES, &c.—Description of Engines

No. of Cylinders
No. of Cranks

Length of Stroke
Revs. per minute
Dia. of Screw shaft
as per rule
as fitted
Material of screw shaft

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

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

ween 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
as fitted
Dia. of Crank shaft journals
as per rule
as fitted
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 moceable
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 Suction fitted in Engine room & size

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

all connections with the sea direct on the skin of the ship
yes, or on top of Reservoir
Are they Valves or Cocks
both.

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
below

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.

at pipes are carried through the bunkers
How are they protected

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

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

he Screw Shaft Tunnel watertight
yes.
Is it fitted with a watertight door
Doors to be fitted, at Glasgow.

MLERS, &c.—(Letter for record
)
Manufacturers of Steel

al Heating Surface of Boilers
Is Forced Draft fitted
No. and Description of Boilers

rking Pressure
Tested by hydraulic pressure to
Date of test
No. of Certificate

each boiler be worked separately
Area of fire grate in each boiler
No. and Description of Safety Valves to

boiler
Area of each valve
Pressure to which they are adjusted
Are they fitted with easing gear

allest distance between boilers or uptakes and bunkers or woodwork
Mean dia. of boilers
Length
Material of shell plates

ckness
Range of tensile strength
Are the shell plates welded or flanged
Descrip. of riveting: cir. seams

seams
Diameter of rivet holes in long. seams
Pitch of rivets
Lap of plates or width of butt straps

centages of strength of longitudinal joint
rivets
Working pressure of shell by rules
Size of manhole in shell

of compensating ring
No. and Description of Furnaces in each boiler
Material
Outside diameter

gth of plain part
top
bottom
Thickness of plates
crown
bottom
Description of longitudinal joint
No. of strengthening rings

rking pressure of furnace by the rules
Combustion chamber plates: Material
Thickness: Sides
Back
Top
Bottom

ch of stays to ditto: Sides
Back
Top
If stays are fitted with nuts or riveted heads
Working pressure by rules

terial of stays
Area at smallest part
Area supported by each stay
Working pressure by rules
End plates in steam space:

terial
Thickness
Pitch of stays
How are stays secured
Working pressure by rules
Material of stays

a at smallest part
Area supported by each stay
Working pressure by rules
Material of Front plates at bottom

ckness
Material of Lower back plate
Thickness
Greatest pitch of stays
Working pressure of plate by rules

meter of tubes
Pitch of tubes
Material of tube plates
Thickness: Front
Back
Mean pitch of stays

ch across wide water spaces
Working pressures by rules
Girders to Chamber tops: Material
Depth and

ckness of girder at centre
Length as per rule
Distance apart
Number and pitch of stays in each

rking pressure by rules
Steam dome: description of joint to shell
% of strength of joint

meter
Thickness of shell plates
Material
Description of longitudinal joint
Diam. of rivet holes

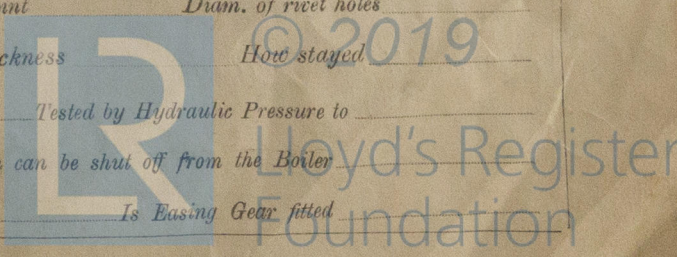
h of rivets
Working pressure of shell by rules
Crown plates
Thickness
How stayed

ERHEATER. Type
Date of Approval of Plan
Tested by Hydraulic Pressure to

of Test
Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

meter of Safety Valve
Pressure to which each is adjusted
Is Easing Gear fitted

W409-0082



IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - }
During erection on board vessel - - - 1921: Sep. 19. 29. Oct. 5. 10. 17. 27. 28. Dec. 8.
Total No. of visits for this survey 8.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods
Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller

Stern tube Steam pipes tested Engine and boiler seatings 17.10.21 Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections 17.10.21 Stern tube 28.10.21 Screw shaft and propeller

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do.

Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

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

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

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

The sea cocks and valves and the stern tube satisfactorily fitted.
The vessel has been towed to Glasgow where the machinery is to be installed and the tunnel watertight door fitted, and the Glasgow Surveyors have been advised.

Certificate (if required) to be sent to

The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £ : : When applied for.
Special ... £ : : 19.
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : : When received.
19.

Committee's Minute

Assigned See Sb. Rpt. 41737.

A. B. Forster

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. MAR. 7 1922



© 2019

Lloyd's Register
Foundation