

Date of writing Report 1st Nov^r 1920 When handed in at Local Office Larne Port of Belfast Received at London Office WED. NOV. 3rd 1920

No. in Survey held at Larne Date, First Survey 25th Oct^r Last Survey 30th Oct^r 1920

Reg. Book. S.S. Kerrymore (Larne S. Coys 53, 78) (Number of Visits 3)

on the Larne Master Larne Built at Larne By whom built Larne S & Co L^{td} Tons } Gross }
Net }
When built 1920

Engines made at Paisley By whom made Campbell & Calderwood when made 1920

Boilers made at Larne By whom made Larne when made 1920

Registered Horse Power 300 Owners John Kelly Lim^d Port belonging to Belfast

Nom. Horse Power as per Section 28 300 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines

Description of Engines			No. of Cylinders	No. of Cranks
Dia. of Cylinders	Length of Stroke	Revs. per minute	Dia. of Screw shaft as per rule as fitted	Material of screw shaft
Is the screw shaft fitted with a continuous liner the whole length of the stern tube <u>Yes</u>			Is the after end of the liner made water tight	
in the propeller boss <u>Yes</u> If the liner is in more than one length are the joints burned <u>✓</u>			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 <u>✓</u>			If two	
liners are fitted, is the shaft lapped or protected between the liners <u>✓</u>			Length of stern bush	
Dia. 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 collars
Dia. of screw	Pitch of Screw	No. of Blades	State whether moveable	Total surface
No. of Feed pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work	
No. of Bilge pumps	Diameter of ditto	Stroke	Can one be overhauled while the other is at work	
No. of Donkey Engines	Sizes of Pumps	No. and size of Suctions connected to both Bilge and Donkey pumps		
In Engine Room			In Holds, &c.	

No. of Bilge Injections 2 sizes 1 1/2 Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size 1 1/2

Are all the bilge suction pipes fitted with roses Yes Are the roses in Engine room always accessible Yes Are the sluices on Engine room bulkheads always accessible Yes

Are all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Discharge Pipes above or below the deep water line Yes

Are 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

What pipes are carried through the bunkers Water How are they protected By covers

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

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

Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Engine Room

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	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	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	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	If stays are fitted with nuts or riveted heads	
Material of stays	Area 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
Area 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
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	Steam dome: description of joint to shell	% of strength of joint		
Diameter	Thickness of shell plates	Material	Description of longitudinal joint	
Pitch of rivets	Working pressure of shell by rules	Crown plates	Thickness	How stayed

SUPERHEATER. Type Water Tube Date of Approval of Plan 1920 Tested by Hydraulic Pressure to 150 lbs

Date of Test 1920 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes

Diameter of Safety Valve 1 1/2 Pressure to which each is adjusted 150 lbs Is Easing Gear fitted No

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 - - - }
Total No. of visits

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 Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections 20-10-20 Stern tube 20-10-20 Screw shaft and propeller 25-10-20

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.

All sea-cocks, discharge valves, stern tube, propeller & shaft
propeller fitted in place.
Vessel to be towed to Glasgow to receive machinery.

The amount of Entry Fee ... £ : : When applied for,
Special ... £ : : 7-1-21 4s.
Donkey Boiler Fee ... £ : : When received,
Travelling Expenses (if any) £ : 12 : 22-3-19 4s.
To be collected by Glasgow Surveyors Co. Ltd.
Committee's Minute

R. F. Bevenhill
Engineer Surveyor to Lloyd's Register of Shipping.
H. J. Humphreys.

Assigned

TUE. 15 MAR. 1921
WED. MAY. 18 1921



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Foundation